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# Introduction

The University of Sydney was incorporated by an Act of the Legislature of New South Wales on 1 October 1850, and was the first university to be established in Australasia. The Act of incorporation was amended by subsequent Acts enlarging the scope of the University and the whole have been consolidated in the University and University Colleges Act 1900, as amended.

By a Royal Charter issued 27 February 1858, the degrees of Bachelor of Arts, Master of Arts, Bachelor of Laws, Doctor of Laws, Bachelor of Medicine and Doctor of Medicine granted by the University of Sydney are entitled to rank, precedence and consideration as if the degrees had been granted by any university of the United Kingdom.

Women were admitted to membership of the University in 1881, the degree of Bachelor of Arts being conferred on the first two women graduates in 1885.

By the University and University Colleges Act of 1900, as amended, the University is declared to be a body politic and corporate, consisting of a Senate constituted of Fellows, four being appointed by the Minister for Education, one elected by and from the members of the Legislative Council, one elected by and from the members of the Legislative Assembly, eight elected by and from such members of the full-time staff of the University as may be prescribed by the by-laws, ten who are not members of the full-time staff of the University as prescribed by the by-laws elected by the graduates of the University, three who are not members of the full-time staff of the University as prescribed by the by-laws elected by and from candidates enrolled for a degree or diploma in the University, the Chancellor if he is not otherwise a Fellow, the Vice-Chancellor for the time being, and three Fellows elected by the aforesaid Fellows. The Chancellor and the Deputy Chancellor are elected by the Senate. The Senate has power to appoint all professors and other employees, and has the entire management and superintendence over the affairs of the University, with power to make by-laws governing the discipline, curriculum, and other matters, subject to the approval of the Governor.

The Academic Board, the senior academic body within the University, is responsible for furthering and coordinating the work of the faculties and departments, and for encouraging scholarship and research. The faculties and boards of studies are responsible for the supervision of teaching and the conduct of examinations.

The eleven faculties in order of establishment in the University are: the Faculties of Arts, Law, Medicine, Science, Engineering, Dentistry, Veterinary Science, Agriculture, Economics, Architecture and Education. There are also three boards of studies that supervise the award of degrees: the Boards of Studies in Divinity, Social Work and Music.

There are over eighty departments in the University, spanning a wide range of interests. In all of them active research and other scholarly activities are carried out aimed at advancing the fund of human knowledge. In the physical and biological sciences, facilities include radio telescopes, a high resolution mass spectrometer, computers and electron microscopes. In the humanities and the social sciences there is a language study centre, and library holdings of research materials are being strengthened. The University of Sydney Library has the largest university collection in Australia.

Teaching and research within the University were financed during 1985 by grants provided by the Commonwealth Government comprising \$128 513 000 for general purposes, \$2 170 000 as a special research grant and \$564 000 to meet the salary costs of University staff employed within the teaching hospitals. This was supplemented by contributions from other university accounts of \$6 805 000 and sundry other income of \$2 102 000. The accumulated deficit on the General Account was \$1 973 000.

A further government grant of \$942 000 towards building costs was received as well as \$6 923 000 for equipment.

Significant support for special research projects was received under the National Health and Medical Research Council (\$4 402 000), the Australian Research Grants Scheme (\$3 216 000), other Commonwealth Government agencies (\$4 926 000), State Government agencies (\$2 082 000) as well as from private sources (\$10 312 000).

The balance held in the Special Purposes Account, other than to provide for pensions and long service leave, amounts to \$88 909 000. This is in respect of more than 3600 accounts, which provide for the funding of prizes and scholarships, the support of teaching and research and such diverse activities as the operation of university farms, residences and the Sydney University Press. Balances held to support existing research commitments exceed \$32 417 000.

While expenditure of \$2 199 500 out of the income of various private foundations was incurred for purposes specified by the donors, the balances held in respect of these foundations increased by \$7 481 000.

The University has a liability to make future contributions to the State Superannuation Fund, the State Public Service Superannuation Fund and the Professorial Superannuation Schemes and to make future long service leave payments. The University's unfunded liability for these purposes is assessed at approximately \$253 000 000. Further details on these matters may be found in the University's *Annual Report*.

At the time of its inauguration on 11 October 1852 in the Sydney College Building—now the Sydney Grammar School near Hyde Park—the University had a staff of three professors and a total enrolment of 24 students.

In 1986 the University had a staff of about 4140 of whom about 1260 were members of the full-time academic staff of the University (professors, readers, associate professors, lecturers, etc.). Of these, the professors numbered 141, and the student enrolment had increased to about 18 200.

The main university site, adjoining Parramatta Road and City Road, covers a total area of about 72 hectares, comprising 50.6 hectares administered by the University and 21 hectares granted to the six affiliated colleges. (A plan of the site appears inside the front cover.) In addition, several important parts of the University are located away from the main site. These include the Law School in Phillip Street, the Faculty of Dentistry at the United Dental Hospital in Chalmers Street and at Westmead, the University Farms, Rural Veterinary Centre and some teaching and research accommodation for the Faculties of Veterinary Science and Agriculture at Camden, the Crommelin Biological Research Station at Pearl Beach, One Tree Island Marine Biology Research Station, the Plant Breeding Institute, Castle Hill, I.A. Watson Wheat Research Centre, Narrabri, the McGarvie Smith Animal Husbandry Farm near St Marys, the Molonglo Radio Observatory at Bungendore, the Fleurs Radio Astronomy Station near St Marys, the Livingston Farm Management Institute at Moree and 'Arthursleigh' and Mount Pleasant at Marulan. In addition, there are five general teaching hospitals and nine special teaching hospitals, which are a formal part of the University. Large numbers of students and staff are located in the hospitals. The hospitals are as follows—General: Lidcombe Hospital, Repatriation General Hospital Concord, Royal North Shore Hospital, Royal Prince Alfred Hospital, and Westmead Hospital; Special: Alice Springs Hospital, Cumberland Hospital, Macquarie Hospital, Mater Misericordiae Hospital, Royal Alexandra Hospital for Children, Royal Darwin Hospital, Rozelle Hospital, St Margaret's Hospital, and Sydney Hospital. There is also the United Dental Hospital.

As much information about the University as possible has been included in this *Calendar*. The published record of the work and proceedings of the University continues in the *Annual Report* and *Research Report*, which are published each year.

In addition to publishing the *Calendar*, the University annually issues a handbook for each faculty and for each of the boards of studies as well as prospectuses for intending undergraduate students and postgraduates, a *Guide for New Students* and a *Doctor of Philosophy Handbook*. Copies of all publications may be obtained on application to the Registrar.

There is also a history in pictures published to mark the 125th year of incorporation of the University entitled *The University of Sydney 1850–1975*, and an illustrated guide *Futurity's Folly: The Great Hall*, published in 1981.

Any information required about the University, about courses offered and about admission to the University, will be readily supplied on application to the Registrar. All correspondence should be addressed to:

The Registrar  
The University of Sydney  
N.S.W. 2006  
Australia

# Almanac 1987

## JANUARY

1 Thu *Public Holiday — New Year's Day*  
 2 Fri  
 3 Sat  
 4 Sun

5 Mon  
 6 Tue  
 7 Wed  
 8 Thu  
 9 Fri  
 10 Sat  
 11 Sun

12 Mon  
 13 Tue  
 14 Wed  
 15 Thu Student Advisory Centre — MacLaurin Hall  
 10.00 am to 6.00 pm  
 16 Fri  
 17 Sat  
 18 Sun

19 Mon  
 20 Tue Early Enrolment — Selected Medicine & Dentistry  
 Finance Committee Meeting — SR 4.15 pm  
 21 Wed Early Enrolment — Selected Medicine & Dentistry  
 22 Thu  
 23 Fri  
 24 Sat  
 25 Sun

26 Mon  
 27 Tue PhD Award Sub-Committee — SR 1.05 pm  
 28 Wed Medicine Board of Postgraduate Studies — GR  
 4.00 pm  
 29 Thu  
 30 Fri  
 31 Sat

ALT2	Architecture Lecture Theatre 2
AYR	Arthur Yates Room, McMillan Building
GR	Gloucester Room, QEII Research Institute
PBR	Professorial Board Room
PNR	Peter Nichol Russell Building
SR	Senate Room
UDH	United Dental Hospital
WCB	Warren Centre Boardroom
WMG	War Memorial Gallery
WTR	Western Tower Room

## FEBRUARY

1 Sun

2 Mon Senate Meeting — SR 3.45 pm  
 3 Tue Enrolment begins — new first year students —  
 MacLaurin Hall  
 Science Standing Committee — WTR 2.15 pm  
 4 Wed  
 5 Thu Committee for Graduate Studies — WTR 2.00 pm  
 6 Fri Last day for enrolment — new first year students  
 7 Sat Conferring of degrees ceremony, Medicine —  
 9.30 am to 11.30 am  
 8 Sun

9 Mon Enrolment begins — re-enrolling students (see  
 'Enrolment Dates' notice)  
 Library Committee — MacDonald Room, Fisher  
 Library 2.05 pm  
 10 Tue Registrar's Staff Pre-Board Meeting — WTR  
 9.15 am  
 11 Wed  
 12 Thu Academic Board Standing Committee — WTR  
 2.00 pm  
 13 Fri  
 14 Sat  
 15 Sun

16 Mon Academic Board — PBR 2.00 pm  
 17 Tue Arts Postgraduate Committee — WTR 9.30 am  
 18 Wed Orientation period begins. Welcome to new students  
 — Great Hall 10.00 am  
 19 Thu UCAC Management Committee — WMG 10.00 am  
 Finance Committee Meeting — SR 4.15 pm  
 20 Fri Orientation period ends  
 21 Sat  
 22 Sun

23 Mon **Lent term begins** — lectures begin  
 PhD Award Sub-Committee — WTR 1.05 pm  
 Deferred Academic Board (if required) — PBR  
 2.00 pm  
 24 Tue Dentistry Board of Postgraduate Studies — Room  
 406, Faculty Wing, UDH 2.00 pm  
 Faculty of Veterinary Science and Board of Post-  
 graduate Studies — PBR 2.15 pm  
 Engineering Committee for Undergraduate Studies  
 — PNR Conference Room 2.15 pm  
 Standing Committee of Convocation — SR 7.30 pm  
 25 Wed  
 26 Thu Deputy Vice-Chancellor's Committee — WTR  
 2.00 pm  
 27 Fri Standing Committee on Academic Procedures and  
 Organisation — WTR 9.00 am  
 28 Sat

## MARCH

1 Sun	
2 Mon	Senate Meeting — SR 3.45 pm
3 Tue	Science Standing Committee — WTR 2.15 pm
4 Wed	Committee of Lecturers (Divinity) — WTR 2.05 pm Medicine Standing Committee — GR 2.15 pm Medicine Board of Postgraduate Studies — GR 4.00 pm
5 Thu	Secretariat Meeting — WTR 9.15 am Committee for Graduate Studies — WMG 2.00 pm Senate / AWEUS Liaison Committee — WTR 4.00 pm
6 Fri	Last day for re-enrolment — higher degrees Faculty of Law Meeting
7 Sat	Conferring of degrees ceremony, Pharmacy, Arts — 9.30 am, Arts — 11.30 am
8 Sun	
9 Mon	Agriculture Planning Committee — AYR 2.15 pm Child Care Liaison Meeting — WTR 4.00 pm
10 Tue	Registrar's Staff Pre-Board Meeting — WTR 9.15 am Dentistry Standing Committee — Room 406, Faculty Wing, UDH 2.00 pm Engineering Standing Committee — PNR Conference Room 2.15 pm Chemical Engineering Foundation Annual General Meeting — WTR 4.00 pm
11 Wed	Arts Standing Committee — WTR 9.30 am Senate / SUPRA Liaison Meeting — WTR 4.00 pm Executive Committee (Convocation) — WTR 7.00 pm
12 Thu	UCAC Management Committee — WMG 10.00 am Academic Board Standing Committee — WTR 2.00 pm
13 Fri	Faculty of Education Meeting — PBR 9.30 am Conferring of degrees ceremony, Engineering — 5.15 pm
14 Sat	
15 Sun	
16 Mon	Academic Board — PBR 2.00 pm
17 Tue	Admissions Committee Meeting — GR 9.15 am Arts Postgraduate Committee — WTR 9.30 am Agriculture Standing Committee — AYR 2.15 pm Engineering Committee for Postgraduate Studies — PNR Conference Room 2.15 pm Faculty of Science Meeting — PBR 2.15 pm Finance Committee Meeting — SR 4.15 pm
18 Wed	Board of Studies for the Diploma in Museum Studies — WTR 9.30 am Board of Studies in Divinity — WTR 2.05 pm Faculty of Medicine Meeting — PBR 3.00 pm
19 Thu	Staff Development Meeting — WMG 9.30 am
20 Fri	Last day for withdrawal from courses which commenced in Lent term in all faculties and boards of studies Economics Standing Committee — 9.30 am
21 Sat	
22 Sun	
23 Mon	Deferred Academic Board (if required) — PBR 2.00 pm Faculty of Arts Meeting — PBR 2.05 pm Library Committee — MacDonald Room, Fisher Library 2.05 pm
24 Tue	Faculty of Agriculture and Board of Postgraduate Studies Meeting — PBR 2.15 pm Faculty of Engineering Meeting — Tut Rm 6, PNR Bldg 2.15 pm Standing Committee of Convocation — SR 7.30 pm
25 Wed	Board of Studies in Social Work Meeting — SR 9.30 am Arts Standing Committee on Courses of Study and Admissions Committee — WTR 9.30 am
26 Thu	Arts Computing Advisory Committee — WMG 9.30 am Faculty of Architecture Meeting — ALT2 11.00 am Deputy Vice-Chancellor's Committee — WTR 2.00 pm Faculty of Dentistry Meeting — Former Boardroom, UDH 5.30 pm
27 Fri	Board of Studies for the Master of Psychology — WTR 9.30 am Faculty of Economics Meeting — PBR 2.15 pm Board of Studies in Music — WTR 2.15 pm
28 Sat	Conferring of degrees ceremony, Law — 9.30 am and 11.30 am
29 Sun	
30 Mon	PhD Award Sub-Committee — WTR 1.05 pm
31 Tue	

## APRIL

1 Wed	Senate / SAUT Liaison Committee — WTR 4.00 pm
2 Thu	Secretariat Meeting — WTR 9.15 am UCAC Management Committee — WMG 10.00 am Committee for Graduate Studies — WTR 2.00 pm
3 Fri	Standing Committee on Academic Procedures and Organisation — WTR 9.00 am
4 Sat	
5 Sun	
6 Mon	Senate Meeting — SR 3.45 pm
7 Tue	Arts Planning Committee — WTR 9.30 am Chancellor's Committee — PBR 11.30 am Engineering Committee for Undergraduate Studies — PNR Conference Room 2.15 pm
8 Wed	Arts Timetable Committee — WTR 9.30 am Medicine Board of Postgraduate Studies — GR 4.00 pm Senate / SRC Liaison Committee — WTR 4.00 pm
9 Thu	
10 Fri	Arts Library Committee — WTR 2.30 pm
11 Sat	Conferring of degrees ceremony, Arts, Agriculture, Veterinary Science — 9.30 am, Science — 11.30 am
12 Sun	
13 Mon	Registrar's Staff Pre-Board Meeting — WTR 9.15 am Agriculture Planning Committee — AYR 2.15 pm
14 Tue	Arts Examination Committee — WTR 9.30 am Academic Board Standing Committee — WTR 2.00 pm
15 Wed	
16 Thu	Easter recess begins
17 Fri	<i>Public holiday — Good Friday</i>
18 Sat	<i>Easter Saturday</i>
19 Sun	<i>Easter Sunday</i>
20 Mon	<i>Public holiday — Easter Monday</i>
21 Tue	Academic Board — PBR 2.00 pm
22 Wed	Lectures resume Finance Committee Meeting — SR 4.15 pm
23 Thu	
24 Fri	Faculty of Law Meeting
25 Sat	
26 Sun	
27 Mon	PhD Award Sub-Committee — WTR 1.05 pm
28 Tue	Arts Postgraduate Committee — WTR 9.30 am Deferred Academic Board (if required) — PBR 2.00 pm Dentistry Board of Postgraduate Studies — Room 406, Faculty Wing, UDH 2.00 pm
29 Wed	
30 Thu	Deputy Vice-Chancellor's Committee — WTR 2.00 pm

## MAY

- 1 Fri** Lectures end  
Standing Committee on Academic Procedures and Organisation — WTR 9.00 am
- 2 Sat** Conferring of degrees ceremony, Economics, Music — 9.30 am, Economics, Dentistry — 11.30 am
- 3 Sun**

- 4 Mon** Examinations commence  
Faculty of Education Meeting — PBR 9.30 am  
Senate Meeting — SR 3.45 pm
- 5 Tue** Science Standing Committee — WTR 2.15 pm
- 6 Wed** Medicine Board of Postgraduate Studies — GR 4.00 pm  
Arts Standing Committee on Courses of Study and Admissions Committee — WTR 9.30 am
- 7 Thu** Secretariat Meeting — WTR 9.15 am  
UCAC Management Committee — WMG 10.00 am  
Committee for Graduate Studies — WTR 2.00 pm
- 8 Fri**
- 9 Sat** **Lent term ends**
- 10 Sun**

- 11 Mon** AVCC Common Week begins
- 12 Tue** Registrar's Staff Pre-Board Meeting — WTR 9.15 am
- 13 Wed** Executive Committee (Convocation) — WTR 7.00 pm
- 14 Thu** Academic Board Standing Committee — WTR 2.00 pm
- 15 Fri** AVCC Common Week ends
- 16 Sat**
- 17 Sun**

- 18 Mon** Academic Board — PBR 2.00 pm
- 19 Tue** Admissions Committee Meeting — WTR 9.15 am  
Finance Committee Meeting — SR 4.15 pm
- 20 Wed**
- 21 Thu**
- 22 Fri**
- 23 Sat**
- 24 Sun**

- 25 Mon** PhD Award Sub-Committee — WTR 1.05 pm  
Deferred Academic Board (if required) — PBR 2.00 pm  
Library Committee — MacDonald Room, Fisher Library 2.05 pm
- 26 Tue** Standing Committee of Convocation — SR 7.30 pm
- 27 Wed** Conferring of degrees ceremony, Science — 10.30 am, Arts — 2.30 pm
- 28 Thu** Faculty of Architecture Meeting — ALT2 11.00 am  
Deputy Vice-Chancellor's Committee — WTR 2.00 pm
- 29 Fri** Standing Committee on Academic Procedures and Organisation — WTR 9.00 am
- 30 Sat**
- 31 Sun**

## JUNE

- 1 Mon** **Trinity term begins** — lectures begin  
Engineering Committee for Postgraduate Studies — PNR Conference Room 2.15 pm  
Senate Meeting — SR 3.45 pm
- 2 Tue** Engineering Committee for Undergraduate Studies — PNR Conference Room 2.15 pm
- 3 Wed** Arts Standing Committee on Courses of Study and Admissions Committee — WTR 9.30 am
- 4 Thu** Secretariat Meeting — WTR 9.15 am  
UCAC Management Committee — WMG 10.00 am  
Committee for Graduate Studies — WMG 2.00 pm  
Senate / AWEUS Liaison Committee — WTR 4.00 pm  
Economics Curriculum Committee — 9.15 am  
Faculty of Law
- 5 Fri**
- 6 Sat**
- 7 Sun**

- 8 Mon**
- 9 Tue** Registrar's Staff Pre-Board Meeting — WTR 9.15 am  
Dentistry Standing Committee — Room 406, Faculty Wing, UDH — 2.00 pm  
Agriculture Planning Committee — AYR 2.15 pm  
Senate / SUPRA Liaison Committee — WTR 4.00 pm  
Council of the Chemical Engineering Foundation — WCB 4.30 pm
- 10 Wed** Arts Standing Committee — WTR 9.30 am
- 11 Thu** Academic Board Standing Committee — WTR 2.00 pm
- 12 Fri**
- 13 Sat** Conferring of Degrees Ceremony, Architecture, Social Work — 9.30 am, Arts, Education — 11.30 am
- 14 Sun**

- 15 Mon** Academic Board — PBR 2.00 pm
- 16 Tue** Arts Postgraduate Committee — WTR 9.30 am  
Agriculture Standing Committee — AYR 2.15 pm  
Engineering Standing Committee — PNR Conference Room 2.15 pm  
Science Standing Committee — WTR 2.15 pm  
Chancellor's Committee — PBR 11.30 am  
Staff Development Meeting — WTR 9.30 am  
Arts Computing Advisory Committee — WMG 9.30 am  
Finance Committee Meeting — SR 4.15 pm  
Economics Standing Committee — 9.30 am
- 17 Wed**
- 18 Thu**
- 19 Fri**
- 20 Sat**
- 21 Sun**

- 22 Mon** Deferred Academic Board (if required) — PBR 2.00 pm  
Faculty of Arts Meeting — PBR 2.05 pm
- 23 Tue** Faculty of Education Meeting — PBR 9.30 am  
Faculty of Agriculture and Board of Postgraduate Studies — PBR 2.15 pm
- 24 Wed** Committee of Lecturers (Divinity) — WTR 2.05 pm  
Faculty of Veterinary Science and Board of Postgraduate Studies — Camden 2.15 pm  
Medicine Standing Committee — GR 2.15 pm  
Medicine Board of Postgraduate Studies — GR 4.00 pm
- 25 Thu** Deputy Vice-Chancellor's Committee — WTR 2.00 pm  
Faculty of Dentistry — Former Boardroom, UDH 5.30 pm
- 26 Fri** Board of Studies for the Master of Psychology — WTR 9.30 am  
Faculty of Economics Meeting — PBR 2.15 pm
- 27 Sat** Conferring of Degrees Ceremony, Science — 9.30 am, Arts, Divinity — 11.30 am
- 28 Sun**

- 29 Mon** PhD Award Sub-Committee — WTR 1.05 pm
- 30 Tue** Faculty of Science Meeting — PBR 2.00 pm  
Faculty of Engineering Meeting — Tut Rm 6, PNR Bldg 2.15 pm

## JULY

- 1 Wed Board of Studies for the Diploma in Museum Studies — WTR 9.30 am  
Board of Studies in Social Work Meeting — SR 9.30 am  
Senate/SRC Liaison Committee — WTR 4.00 pm
- 2 Thu Secretariat Meeting — WTR 9.15 am  
UCAC Management Committee — WMG 10.00 am  
Committee for Graduate Studies — WTR 2.00 pm
- 3 Fri Standing Committee on Academic Procedures and Organisation — WTR 9.00 am
- 4 Sat
- 5 Sun

- 6 Mon Senate Meeting — SR 3.45 pm
- 7 Tue Arts Planning Committee — WTR 9.30 am  
Dentistry Board of Postgraduate Studies — Room 406, Faculty Wing, UDH 2.00 pm
- 8 Wed Faculty of Medicine — PBR 3.00 pm  
Board of Studies in Divinity — WTR 2.05 pm  
Senate/SAUT Liaison Committee — WTR 4.00 pm  
Executive Committee (Convocation) — WTR 7.00 pm
- 9 Thu
- 10 Fri Economic Planning Committee — 9.30 am  
Board of Studies in Music — WTR 2.15 pm
- 11 Sat
- 12 Sun

- 13 Mon Agriculture Planning Committee — AYR 2.15 pm
- 14 Tue Registrar's Staff Pre-Board Meeting — PBR 9.15 am  
Arts Examination Committee — WTR 9.30 am  
Engineering Standing Committee (if sufficient business) — PNR Conference Room 2.15 pm
- 15 Wed
- 16 Thu Academic Board Standing Committee — WTR 2.00 pm
- 17 Fri
- 18 Sat
- 19 Sun

- 20 Mon Academic Board — PBR 2.00 pm
- 21 Tue Admissions Committee Meeting — QR 9.15 am  
Arts Postgraduate Committee — WTR 9.30 am  
Finance Committee Meeting — SR 4.15 pm  
Standing Committee of Convocation — SR 7.30 pm
- 22 Wed
- 23 Thu
- 24 Fri Arts Library Meeting — WTR 9.30 am  
Faculty of Law Meeting
- 25 Sat
- 26 Sun

- 27 Mon PhD Award Sub-Committee — WTR 1.05 pm  
Deferred Academic Board (if required) — PBR 2.00 pm  
Library Committee — MacDonal Room, Fisher Library 2.05 pm  
Child Care Liaison Committee — WTR 4.00 pm
- 28 Tue Faculty of Engineering Meeting (if sufficient business) — Tut Rm 6, PNR Bldg 2.15 pm
- 29 Wed Arts Timetable Committee — WTR 9.30 am  
Medicine Board of Postgraduate Studies — GR 4.00 pm
- 30 Thu Arts Computing Advisory Committee — WMG 9.30 am  
Faculty of Architecture Meeting — ALT2 11.00 am  
Deputy Vice-Chancellor's Committee — WTR 2.00 pm
- 31 Fri Lectures end  
Standing Committee on Academic Procedures and Organisation — WTR 9.00 am

## AUGUST

- 1 Sat
- 2 Sun
- 3 Mon Examinations commence  
Senate Meeting — SR 3.45 pm
- 4 Tue Science Standing Committee — WTR 2.15 pm
- 5 Wed
- 6 Thu Secretariat Meeting — WTR 9.15 am  
UCAC Management Committee — WMG 10.00 am  
Committee for Graduate Studies — WTR 2.00 pm
- 7 Fri
- 8 Sat Trinity term ends
- 9 Sun

- 10 Mon
- 11 Tue Registrar's Staff Pre-Board Meeting — WTR 9.15 am  
Council of the Chemical Engineering Foundation — WCB 4.30 pm
- 12 Wed
- 13 Thu Academic Board Standing Committee — WTR 2.00 pm
- 14 Fri
- 15 Sat
- 16 Sun

- 17 Mon Academic Board — PBR 2.00 pm
- 18 Tue Finance Committee Meeting — SR 4.15 pm
- 19 Wed
- 20 Thu
- 21 Fri
- 22 Sat
- 23 Sun

- 24 Mon AVCC Common Week begins  
PhD Award Sub-Committee — WTR 1.05 pm  
Deferred Academic Board (if required) — PBR 2.00 pm
- 25 Tue
- 26 Wed
- 27 Thu Deputy Vice-Chancellor's Committee — WTR 2.00 pm
- 28 Fri AVCC Common Week ends
- 29 Sat
- 30 Sun

- 31 Mon Michaelmas term begins — lectures begin

## SEPTEMBER

**1 Tue** Science Standing Committee — WTR 2.15 pm  
**2 Wed**  
**3 Thu** Secretariat Meeting — WTR 9.15 am  
 UCAC Management Committee — WMG 10.00 am  
 Chancellor's Committee — PBR 11.30 am  
 Committee for Graduate Studies — WMG 2.00 pm  
 Senate/AWEUS Liaison Committee — WTR 4.00 pm

**4 Fri**  
**5 Sat**  
**6 Sun**

**7 Mon** Library Committee — MacDonald Room, Fisher Library 2.05 pm  
 Senate Meeting — SR 3.45 pm  
**8 Tue** Engineering Committee for Undergraduate Studies — PNR Conference Room 2.15 pm  
**9 Wed** Arts Standing Committee on Courses of Study and Admissions Committee — WTR 9.30 am  
 Senate/SUPRA Liaison Committee — WTR 4.00 pm  
 Medicine Board of Postgraduate Studies — GR 4.00 pm  
 Executive Committee (Convocation) — WTR 7.00 pm

**10 Thu**  
**11 Fri**  
**12 Sat**  
**13 Sun**

**14 Mon** Agricultural Planning Committee — AYR 2.15 pm  
 Child Care Liaison Committee — WTR 4.00 pm  
**15 Tue** Registrar's Staff Pre-Board Meeting — PBR 9.15 am  
 Arts Postgraduate Committee — WTR 9.30 am  
 Engineering Committee for Postgraduate Studies — PNR Conference Room 2.15 pm  
**16 Wed** Arts Standing Committee — WTR 9.30 am  
**17 Thu** Academic Board Standing Committee — WTR 2.00 pm  
 Finance Committee Meeting — SR 4.15 pm  
 Economics Standing Committee — 9.30 am  
**18 Fri**  
**19 Sat**  
**20 Sun**

**21 Mon** Academic Board — PBR 2.00 pm  
**22 Tue** Admissions Committee Meeting — WTR 9.15 am  
 Dentistry Standing Committee — Room 406, Faculty Wing, UDH 2.00 pm  
 Agriculture Standing Committee — AYR 2.15 pm  
 Standing Committee of Convocation — SR 7.30 pm  
**23 Wed**  
**24 Thu** Faculty of Education Meeting — PBR 9.30 am  
 Arts Computing Advisory Committee — WMG 9.30 am  
 Deputy Vice-Chancellor's Committee — WTR 2.00 pm  
**25 Fri** Faculty of Economics Meeting — PBR 2.15 pm  
**26 Sat**  
**27 Sun**

**28 Mon** PhD Award Sub-Committee — WTR 1.05 pm  
 Deferred Academic Board (if required) — PBR 2.00 pm  
 Faculty of Arts Meeting — PBR 2.05 pm  
**29 Tue** Faculty of Agriculture and Board of Postgraduate Studies — PBR 2.15 pm  
 Engineering Standing Committee — PNR Conference Room 2.15 pm  
 Science Standing Committee — WTR 2.15 pm  
**30 Wed** Committee of Lecturers (Divinity) — WTR 2.05 pm

## OCTOBER

**1 Thu** Secretariat Meeting — WTR 9.15 am  
 Staff Development Committee — WMG 9.30 am  
 Faculty of Architecture and Board of Postgraduate Studies Meeting — ALT2 11.00 am  
 Committee for Graduate Studies — WTR 2.00 pm  
 Faculty of Veterinary Science and Postgraduate Studies — PBR 2.15 pm  
**2 Fri** Standing Committee on Academic Procedures and Organisation — WTR 9.00 am  
 Arts Library Committee — WMG 2.30 pm  
 Faculty of Law Meeting

**3 Sat**  
**4 Sun**

**5 Mon**  
**6 Tue** Arts Planning Committee — WTR 9.30 am  
 Senate Meeting — SR 3.45 pm

**7 Wed**  
**8 Thu** Faculty of Dentistry — Former Boardroom, UDH 5.30 pm  
 Board of Studies in Music — WTR 2.15 pm  
**10 Sat**  
**11 Sun**

**12 Mon** Agriculture Planning Committee — AYR 2.15 pm  
**13 Tue** Registrar's Staff Pre-Board Meeting — PBR 9.15 am  
 Arts Examinations Committee — WTR 9.30 am  
 Faculty of Engineering Meeting — Tut Rm 6, PNR Bldg 2.15 pm  
 Faculty of Science Meeting — PBR 2.15 pm  
**14 Wed** Board of Studies in Divinity — WTR 2.05 pm  
 Medicine Standing Committee — GR 2.15 pm  
 Senate/SRC Liaison Committee — WTR 4.00 pm  
 Medicine Board of Postgraduate Studies — GR 4.00 pm  
**15 Thu** Academic Board Standing Committee — WTR 2.00 pm  
**16 Fri**  
**17 Sat**  
**18 Sun**

**19 Mon** Academic Board — PBR 2.00 pm  
**20 Tue** Arts Postgraduate Committee — WTR 9.30 am  
 Finance Committee Meeting — SR 4.15 pm  
**21 Wed**  
**22 Thu**  
**23 Fri**  
**24 Sat**  
**25 Sun**

**26 Mon** PhD Award Sub-Committee — WTR 1.05 pm  
 Library Committee — MacDonald Room, Fisher Library 2.05 pm  
 Deferred Academic Board (if required) — PBR 2.00 pm  
**27 Tue**  
**28 Wed** Board of Studies in Social Work Meeting — SR 9.30 am  
 Faculty of Medicine Meeting — PBR 3.00 pm  
 Senate/SAUT Liaison Committee — WTR 4.00 pm  
**29 Thu** UCAC Management Committee — WMG 10.00 am  
 Deputy Vice-Chancellor's Committee — WTR 2.00 pm  
**30 Fri** Standing Committee on Academic Procedures and Organisation — WTR 9.00 am  
**31 Sat** Lectures end



## NOVEMBER

1 Sun

2 Mon Senate Meeting — SR 3.45 pm

3 Tue Engineering Committee for Undergraduate Studies — PNR Conference Room 2.15 pm

4 Wed Arts Standing Committee on Courses of Study and Admissions Committee — WTR 9.30 am

5 Thu Secretariat Meeting — WTR 9.15 am  
Faculty of Architecture Meeting — ALT2 11.00 am  
Committee for Graduate Studies — WTR 2.00 pm

6 Fri Chancellor's Committee — PBR 11.30 am

7 Sat

8 Sun

9 Mon Agriculture Planning Committee — AYR 2.15 pm

10 Tue Registrar's Staff Pre-Board Meeting — WTR 9.15 am

Science Standing Committee — WTR 2.15 pm  
Council of the Chemical Engineering Foundation — WCB 4.30 pm

11 Wed Medicine Board of Postgraduate Studies — GR 4.00 pm

Arts Standing Committee — WTR 9.30 am  
Executive Committee (Convocation) — WTR 7.00 pm

12 Thu Academic Board Standing Committee — 2.00 pm

13 Fri

14 Sat

15 Sun

16 Mon Academic Board — PBR 2.00 pm

17 Tue Admissions Committee Meeting — WTR 9.15 am  
Agriculture Standing Committee — AYR 2.15 pm  
Finance Committee Meeting — SR 4.15 pm

18 Wed Committee of Lecturers (Divinity) — WTR 2.05 pm  
Medical Research Committee Meeting — GR 2.15 pm

19 Thu

20 Fri

21 Sat

22 Sun

23 Mon Deferred Academic Board (if required) — PBR 2.00 pm

Faculty of Arts Meeting — PBR 2.05 pm

24 Tue Arts Postgraduate Committee — WTR 9.30 am

Faculty of Agriculture and Board of Postgraduate Studies Meeting — PBR 2.15 pm  
Standing Committee of Convocation — SR 7.30 pm

25 Wed Arts Timetable Committee — WTR 9.30 am

Faculty of Education Meeting — PBR 9.30 am

26 Thu Deputy Vice-Chancellor's Committee — WTR 2.00 pm

27 Fri

28 Sat

29 Sun

30 Mon PhD Award Sub-Committee — WTR 1.05 pm

## DECEMBER

1 Tue

2 Wed Board of Studies for the Diploma in Museum Studies — WTR 9.30 am

3 Thu Secretariat Meeting — WTR 9.15 am

UCAC Management Committee — WMG 10.00 am

4 Fri Standing Committee on Academic Procedures and Organisation — WTR 9.00 am  
Faculty of Law Meeting

5 Sat **Michaelmas term ends**

6 Sun

7 Mon Senate Meeting — SR 3.45 pm

8 Tue Dentistry Board of Postgraduate Studies — Room 406, Faculty Wing, UDH 2.00 pm

9 Wed Board of Studies in Divinity — WTR 2.05 pm

Medical Research Committee Meeting — GR 2.15 pm

10 Thu

11 Fri Board of Studies for the Master of Psychology — WTR 9.30 am

12 Sat

13 Sun

14 Mon PhD Award Sub-Committee — WTR 1.05 pm

15 Tue Registrar's Staff Pre-Board Meeting — WTR 9.15 am

Finance Committee Meeting — SR 4.15 pm

16 Wed Medicine Board of Postgraduate Studies — GR 4.00 pm

17 Thu Academic Board Standing Committee — WTR 2.00 pm

18 Fri Engineering Committee for Postgraduate Studies — PNR Conference Room 2.15 pm

19 Sat

20 Sun

21 Mon Academic Board — PBR 2.00 pm

22 Tue

23 Wed

24 Thu

25 Fri *Public Holiday — Christmas Day*

26 Sat *Public Holiday — Boxing Day*

27 Sun

28 Mon

29 Tue

30 Wed

31 Thu

## JANUARY

1 Fri *Public Holiday — New Year's Day*

2 Sat

3 Sun

4 Mon Deferred Academic Board (if required) — PBR 2.00 pm



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# Officers of the University<sup>1</sup>

A list of the abbreviations used for the names of institutions awarding degrees or diplomas is at the end of this volume.

<b>Principal officers of the University</b>	<b>15</b>
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<b>Academic Board</b>	<b>19</b>
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Arts	20
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Veterinary Science	23
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<sup>1</sup> At 15 October 1986 unless otherwise stated.

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Science	71
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<b>Academic services</b>	<b>83</b>
<b>Museums</b>	<b>84</b>
<b>University of Sydney Library</b>	<b>85</b>
<b>Administration</b>	<b>86</b>
<b>Senior officers of the University since its establishment</b>	<b>90</b>
<b>Honorary awards</b>	<b>101</b>

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# Principal officers of the University

**Visitor**

His Excellency Air Marshal Sir James Rowland,  
KBE DFC AFC  
Since 20 January 1981

**Chancellor**

Sir Hermann David Black, AC, Hon.DLitt *N'cle*  
(*N.S.W.*) MEc, FCIS  
Since 1970

**Deputy Chancellor**

Daphne Anne Kok, BA LLM  
Since 3 March 1986

**Vice-Chancellor and Principal**

Professor John Manning Ward, AO, MA LLB,  
FAHA FASSA FRAHS  
Appointed 7 September 1981

**Deputy Vice-Chancellor**

Professor Michael Gleeson Taylor, MD BS *Adel.* PhD  
DSc *Lond.*, FRACP  
Appointed 3 February 1975

**Pro-Vice-Chancellors**

Professor Maxwell Howard Brennan, AO, Hon.DSc  
*Flin.* BSc PhD  
Appointed 11 August 1986

Professor Susan Evelyn Dorsch, MB BS PhD  
Appointed 11 August 1986

**Registrar and Deputy Principal**

Keith Lynden Jennings, BA MEd  
Appointed 20 June 1983

**Deputy Principal and Bursar**

Stephen Barry Morgan Harrison, MEc  
Appointed 5 July 1982

**University Librarian**

Neil Anthony Charles Radford, AM PhD *Chic.*  
DipLib *N.S.W.* BEc, FLAA  
Appointed 7 October 1980

**Associate Bursar and Accountant**

Desmond Thomas McCammon, FASA, CPA FAIM  
ACANZ  
Appointed 21 June 1985

# Senate

(at 1 January 1987)

## Fellows appointed by the Minister for Education to hold office for four years ending on 14 November 1990

Baiba Beata Berzins, MA DipArchAdmin *N.S.W.* BA Jennie George, BA DipEd (a Fellow from 15 November 1982)

The Hon. Edward Gough Whitlam, AC, QC, BA LLB Hon.DLitt (a Fellow from 3 June 1981 to June 1983)

## Fellow elected by and from the members of the Legislative Council, 8 May 1984

The Hon. Bryan Henry Vaughan, LLB, MLC

## Fellow elected by and from the members of the Legislative Assembly, 8 May 1984

Laurie Donald Thomas Ferguson, BEc MA, MP

## Fellow who is Chairman of the Academic Board elected by and from those members of the Academic Board who are members of the full-time permanent staff, for two years from 1 January 1986

John George Mackinolty, LLM *Melb.* (a Fellow from 1 January 1980)

## Fellows who are Professors elected by and from the full-time permanent members of the academic staff, for two years from 1 January 1986

Professor Neville Collis-George, MSc *Manc.* PhD *Camb.* (a Fellow from 1 January 1982)

Professor Virginia Margaret Spate, MA *Melb. & Camb.* PhD *Bryn Mawr Coll.*, FAHA

Professor Norman Alan Walker, BSc *Qld* PhD *Tas.*, FAA

## Fellows who are not Professors elected by and from the full-time permanent members of the academic staff, for two years from 1 January 1986

N. Gay D. McAuley, BA PhD *Brist.*

Adrian J. Ryan, PhD *Manc.* MSc

Associate Professor Diana M. Temple, BSc *W.Aust.* MSc PhD

## Fellow elected by and from the full-time permanent members of the non-academic staff, for two years from 1 January 1986

Betty Dorothy Johnson (a Fellow from 1 January 1984)

## Fellows elected by the graduates of the University, for four years from 1 January 1987

Gaston Egon Bauer, MB BS, FRACP FRCP FACC (a Fellow from 17 May 1982)

Sir Hermann David Black, AC, Hon.DLitt *N'cle(N.S.W.)* MEc, FCIS (a Fellow from 9 November 1949)

Grosvenor Charles Thomas Burfitt-Williams, DO R.C.P. & S. MB BS, FRACO FRACS (a Fellow from 1 January 1975)

Kenneth George Coles, BE, FIEAust, FIMechE FAIM

Katherine Evelyn Georgouras, MB BS DDM, FACD (a Fellow from 3 July 1979)

Daphne Anne Kok, BA LLM (a Fellow from 1975 to 1982 and from 22 April 1984)

William Griffith McBride, AOCBE, MD BS, FRCOG (a Fellow from 1 January 1975)

The Hon. David Mayer Selby, ED, BA LLB (a Fellow from 12 November 1964)

Edward Lawrence Wheelwright, DFC, MA *St.And.* MEC (a Fellow from 14 November 1969 to December 1974, 2 February 1976 to December 1977, and from 3 November 1986)

Peter Stephen Wilenski, MA *Oxf.* MPA *Harv.* MA *Car.* MB BS, FRAIPA Hon.FRACMA (a Fellow from 23 October 1963 to 21 October 1964 and from 1 January 1975)

## Fellows elected by persons enrolled as candidates proceeding to a degree or diploma in the University, for one year from 1 January 1987

Devleena Ghosh Berwick, MA *Jadavpur* (Calcutta) Alan Cass

Stephen Mark Yen, BEc (a Fellow from 4 June 1984)

## Fellow, the Vice-Chancellor for the time being

Professor John Manning Ward, AO, MA LLB, FAHA FASSA FRAHS (a Fellow from 1 January 1974 to 31 December 1977, and from 7 September 1981)

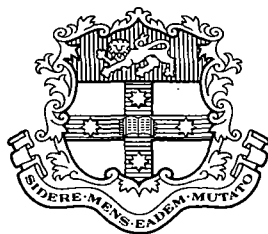
## Fellows elected by the Fellows, from 1 March 1983 to 28 February 1987

David Greenberg Block, AO

Emeritus Professor Raymond John Chambers, AO, BEc DScEcon, FASA FASSA

The University of Sydney

Calendar 1987



*Calendar 1987*  
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The *Calendar* was first published in 1853



## The Arms

The following is an extract from the document granting Arms to the University, dated 14 May 1857:

Argent on a Cross Azure an open book proper, clasps Gold, between four Stars of eight points Or, on a chief Gules a Lion passant guardant also Or, together with this motto 'Sidere mens eadem mutato' . . . to be borne and used for ever hereafter by the said *University of SYDNEY* on their Common Seal, Shields, or otherwise according to the Laws of Arms.

The motto, which was devised by F. L. S. Merewether, Second Vice-Provost of the University, conveys the feeling that in this hemisphere all feelings and attitudes to scholarship are the same as those of our predecessors in the northern hemisphere.

# Committees of the Senate

(at 1 December 1986)

## **Finance Committee**

The Hon B. H. Vaughan  
Chairman of the Academic Board  
Dr G. E. Bauer  
Mr K. G. Coles  
Dr A. J. Ryan  
Professor N. A. Walker  
Mr E. L. Wheelwright  
Mr S. M. Yen

## **Buildings and Grounds Committee**

Deputy Vice-Chancellor  
Deputy Chairman of the Academic Board (Professor S. Ball)  
Dr G. C. T. Burfitt-Williams  
Mr K. G. Coles  
Dr K. E. Georgouras  
Ms B. D. Johnson  
Professor R. N. Johnson  
Ms G. P. Reekie  
Ms H. V. Spowart  
Professor V. M. Spate

## **Advisory Committee on Appointment to Chairs**

The Deputy Vice-Chancellor  
Chairman of the Academic Board  
Chairman of the Finance Committee  
Dr G. C. T. Burfitt-Williams  
Professor N. Collis-George  
Dr K. E. Georgouras  
Dr W. G. McBride  
Ms G. P. Reekie  
Dr A. J. Refshauge  
Professor V. M. Spate  
Associate Professor D. M. Temple  
The Hon. B. H. Vaughan  
Professor N. A. Walker  
Professor P. S. Wilenski

## **By-laws Committee**

Mr J. G. Mackinolty  
The Hon. D. M. Selby  
Ms H. V. Spowart  
The Hon. B. H. Vaughan

## **Advisory Committee on Selection of Candidates for**

### **Honorary Awards**

Deputy Vice-Chancellor  
Chairman of the Academic Board  
Dr G. E. Bauer  
Dr G. C. T. Burfitt-Williams  
Emeritus Professor R. J. Chambers

Mr K. G. Coles  
Professor N. Collis-George  
Dr W. G. McBride  
Ms G. P. Reekie  
Dr A. J. Refshauge  
Professor V. M. Spate  
Associate Professor D. M. Temple  
Dr P. S. Wilenski

## **Innovations Committee**

Deputy Vice-Chancellor  
Deputy Chairman of the Academic Board (Associate Professor A. Sefton)  
Chairman of the Finance Committee  
Dr G. E. Bauer  
Professor A. S. Basten  
Associate Professor J. K. Beattie  
Mr K. G. Coles  
Professor R. E. Collins  
Associate Professor J. R. Glastonbury  
Professor R. S. Gye  
Professor R. W. Parsons  
Ms G. P. Reekie  
The Hon. D. M. Selby  
Associate Professor J. Thomas

## **Senate Appeals Committee—Restriction upon Re-enrolment**

Chairman of the Academic Board  
Deputy Chairmen of the Academic Board  
Mr L. D. T. Ferguson  
Dr K. E. Georgouras  
Ms B. D. Johnson  
Dr N. G. D. McAuley  
Dr W. G. McBride  
Ms H. V. Spowart  
Mr S. M. Yen  
Committee given power to co-opt

## **Equal Employment Opportunity Committee**

Three Fellows of Senate — Miss B. B. Berzins, Mr J. G. Mackinolty and Dr A. J. Refshauge  
Four persons appointed by Senate, one from each of AWEUS, H&REA, SAUT and SUPRA — Miss J. Kay, Ms B. D. Johnson, Ms J. Gaha, Ms D. Ghosh  
The Research Fellow in the Vice-Chancellor's Office (Dr G. Poiner)  
The Registrar and Deputy Principal  
Co-opted members: Ms J. Beatson, Ms E. Curach, Dr P. Miller

## **Senate/SAUT Liaison Committee**

The Deputy Vice-Chancellor  
Deputy Chairman of the Academic Board (Professor S. Ball)  
Miss B. B. Berzins  
Emeritus Professor R. J. Chambers  
Associate Professor D. M. Temple  
The Hon. B. H. Vaughan  
Mr S. M. Yen  
together with SAUT nominees

## **Senate/SRC Liaison Committee**

Deputy Vice-Chancellor  
Dr N. G. D. McAuley  
Dr A. J. Ryan  
Associate Professor D. M. Temple  
Professor N. A. Walker  
Mr S. M. Yen  
together with SRC nominees

## **Senate/AWEUS Liaison Committee**

Miss B. B. Berzins  
Mr J. G. Mackinolty  
Dr A. J. Refshauge  
Dr A. J. Ryan

SENATE  
COMMITTEES  
OF THE SENATE

**OFFICERS**

Ms H. V. Spowart  
Professor N. A. Walker  
together with AWEUS nominees

**Senate/SUPRA Liaison Committee**

Deputy Chairman of the Academic Board (Associate  
Professor A. Sefton)  
Dr N. G. D. McAuley  
Professor V. M. Spate  
Ms H. V. Spowart  
The Hon B. H. Vaughan  
together with SUPRA nominees

**Senate Liaison Committee on Child Care**

Mr K. G. Coles  
Ms B. D. Johnson  
Dr S. Juan  
Dr W. G. McBride  
Dr A. J. Refshaug  
Mr S. M. Yen  
together with nominees from the Sydney University  
Committee on Child Care

**Power Institute Committee**

Emeritus Professor R. J. Chambers  
Mr R. Crebbin  
Associate Professor S. M. Jack  
Professor R. N. Johnson  
Mr P. Kennedy  
Dr P. M. Lahy  
Ms B. Murphy  
Mr L. Paroissien  
Mr M. Sinclair  
Mr T. E. Smith  
Professor V. M. Spate  
Ms V. Varvaressos  
Mr R. Wolfe

Note: The Chancellor, the Deputy Chancellor and the Vice-Chancellor and Principal are members of each of the above committees.

**Student Disciplinary Appeals Committee**

The Chancellor  
The Deputy Chancellor  
Dr G. E. Bauer  
Dr K. E. Georgouras  
Ms G. P. Reekie  
Dr A. J. Ryan  
The Hon. B. H. Vaughan  
Professor N. A. Walker

**Advisory Committee for the Centre for Continuing Education***Ex-Officio members*

The Vice-Chancellor and Principal  
The Deputy Vice-Chancellor  
The Registrar and Deputy Principal  
The Deputy Principal and Bursar  
The Director of the Centre

*Other members*

Ms T. Bizannes  
Ms V. Briant  
Professor N. Collis-George  
Dr L. Coltheart  
Ms H. Edgley  
Dr T. Fitzpatrick  
Mr T. J. Howells  
Associate Professor R. I. Jack  
Ms S. Jeffery  
Mr G. McCarry  
Mrs C. Tanner  
Mr J. E. Wellings



# Academic Board

COMMITTEES  
OF THE SENATE  
ACADEMIC BOARD

Associate Professor J. M. Mack  
Associate Professor P. M. Moodie  
Dr I. A. Parkin  
Associate Professor P. R. Smith  
Dr T. E. Smith  
Dr A. D. Stefanowska  
Dr G. P. Steven  
Associate Professor G. M. Stone  
Associate Professor J. G. Toon  
Associate Professor G. W. Trompf  
Dr M. van Langenberg  
Associate Professor G. Wing

CHAIRMAN: Mr J. G. Mackinolty

DEPUTY CHAIRMEN: Professor S. Ball,  
Associate Professor A. E. Sefton

The composition of the Academic Board is governed by Chapter VIII of the by-laws, in the Statutes section of the *Calendar*.

## Members ex officio

### Members pursuant to Section 1

Chancellor  
Deputy Chancellor  
Vice-Chancellor and Principal  
Deputy Vice-Chancellor  
Pro-Vice-Chancellors  
Registrar and Deputy Principal  
Deputy Principal and Bursar  
University Librarian

### Members pursuant to Section 2 (2)

- (a) The professors who are full-time permanent members of the Academic staff:  
—as listed on pages 30–35.
- (b) such other professors as the Senate may appoint as members (see p. 132).
- (c) (Repealed)
- (d) (Repealed)
- (e)<sup>1</sup> Associate Professor M. R. Allen  
Associate Professor J. B. Burnheim  
Associate Professor K. J. Cable  
Associate Professor F. L. Clarke  
Associate Professor J. F. Cleverley  
Associate Professor A. D. Crown  
Associate Professor B. R. N. Farrow  
Associate Professor B. H. Fletcher  
Associate Professor J. R. Glastonbury  
Associate Professor S. C. Hages  
Associate Professor B. D. Hoyos  
Associate Professor A. L. Hunt  
Associate Professor R. J. Hunter  
Associate Professor T. H. Irving  
Associate Professor S. M. Jack  
Associate Professor W. G. Julian  
Associate Professor J. H. Kent

## Elected members

*Members elected under Section 2 (2)(f) to hold office from 1 January 1986 to 31 December 1987*

- (f) Dr W. G. Allaway  
Dr D. W. Barnes  
Dr R. Q. Bridge  
Dr A. G. Bromley  
Dr R. W. Bryant  
Dr G. J. Butler  
Associate Professor M. B. Clunies Ross  
Dr L. J. Copeland  
Dr B. G. Davey  
Dr M. M. de Lepervanche  
Dr R. G. Earnshaw  
Dr P. J. Fletcher  
Ms N. E. Franklin  
Dr P. K. Hall  
Associate Professor M. A. Harris  
Dr S. C. Hayes  
Dr M. C. Hogan  
Associate Professor D. M. Jackson  
Dr I. D. S. Johnston  
Associate Professor A. R. Jones  
Associate Professor D. N. Love  
Associate Professor J. M. Mack  
Mr J. G. Mackinolty  
Dr A. D. MacLachlan  
Dr H. W. Marsh  
Dr N. G. D. McAuley  
Associate Professor F. J. D. McDonald  
Associate Professor N. K. Meaney  
Mr G. C. Mills  
Dr N. E. Newbigin  
Associate Professor R. L. Pesman  
Dr R. K. Pierens  
Dr A. D. Radford  
Dr A. J. Ryan  
Associate Professor J. M. Sabine  
Dr P. G. Saunders  
Dr J. R. Seberry  
Dr A. E. Sefton  
Dr D. L. Smith  
Associate Professor N. H. H. Smith  
Associate Professor D. M. Temple  
Associate Professor R. H. Thorne  
Mrs T. R. Threadgold  
Mr R. J. Vann  
Dr J. C. Walker  
Associate Professor E. A. Webby  
Associate Professor R. J. Wheen  
Mr G. C. Wotherspoon
- (g) . . . . .<sup>1</sup>
- (h) Mr P. J. Eldridge-Smith  
Mr C. J. Oxenford  
Mr M. Peat  
Mr S. B. White

<sup>1</sup> Membership of subsection (e) is as known at 8 December 1986 and for 1987.

<sup>1</sup> Not more than 25 undergraduate students.

# Faculties and boards of studies

(at 31 October 1986)

The Chancellor, the Deputy Chancellor, the Vice-Chancellor and Principal, the Deputy Vice-Chancellor, and the Registrar and Deputy Principal are members, *ex officio*, of all faculties and boards of studies.

## FACULTY OF AGRICULTURE

DEAN: Professor M. G. C. Mullins

The composition of the Faculty of Agriculture is governed by Section 1 of Chapter XVII of the by-laws, as follows:

### Members

- (a) The professors, readers, associate professors, directors, senior lecturers, lecturers, senior tutors, and tutors (who are not candidates for higher degrees in the University of Sydney) in the Faculty of Agriculture departments who are full-time permanent or full-time temporary members of the teaching staff of the University listed under the heading 'Faculty of Agriculture' in the 'Teaching and associated staff' section of this part of the *Calendar*.
- (b) *Biological Sciences*: Dr M. Peat, Dr V. H. K. Low  
*Chemistry*: Dr A. J. Williams  
*Physics*: Dr B. A. McInnes, Dr I. S. Falconer  
*Econometrics*: Dr D. Madan, Dr E. Houghton  
*Economics*: Dr F. Gill, Dr P. W. Liu  
*Government*: Dr I. Grosart, Dr J. Ravenhill  
*Pure Mathematics*: Associate Professor T. Gagen, Dr K. G. Choo  
*Veterinary Physiology*: Associate Professor G. M. Stone, Dr I. G. White  
*Veterinary Anatomy*: Associate Professor B. H. R. Farrow, Dr P. H. McCarthy
- (c) Dr H. W. Lea  
 Mr J. A. Pearman
- (d) Dean, Science  
 Dean, Veterinary Science  
 Dean, Economics
- (e) Director, University Farms  
 Director I. A. Watson Wheat Research Centre
- (f) . . . . .
- (g) Ms A. M. Bowman  
 Miss R. L. Harcourt  
 Mr J. W. Nicholls  
 Miss D. Noiton

## FACULTY OF ARCHITECTURE

DEAN: Associate Professor W. G. Julian

The composition of the Faculty of Architecture is governed by Section 1 (1) of Chapter XIX of the by-laws, as follows:

### Members

- (i) The professors, readers, associate professors, senior lecturers, lecturers, senior tutors and tutors who are full-time permanent or full-time temporary members of the teaching staff of the University listed under the heading 'Faculty of Architecture' in the 'Teaching and associated staff' section of this part of the *Calendar*.
- (ii) Associate Professor J. Kerr (Arts)  
 Dr M. Painter (Economics)  
 Professor H. G. Poulos (Engineering)  
 Dr L. D. Channon (Medicine)  
 Dr M. A. C. Besly (Science)
- (iii) Director, Sydney University Art Workshop
- (iv) Emeritus Professor H. J. Cowan  
 Mr C. Drury  
 Mr M. Granger  
 Mr P. MacCallum  
 Dr L. Rees
- (v) Mr S. Collier  
 Mr M. A. Groves  
 Ms J. Weigall  
 Mr P. M. Williams

## FACULTY OF ARTS

DEAN: Associate Professor S. M. Jack

The composition of the Faculty of Arts is governed by Section 1 of Chapter X of the by-laws, as follows:

### Members

- (a) The professors, readers, associate professors, senior lecturers, lecturers and senior tutors who are full-time members of the teaching staff of the University listed under the following headings in the 'Teaching and associated staff' section of this part of the *Calendar*.<sup>1</sup>  
 Faculty of Arts departments  
 Geography (Faculty of Science)  
 Pure Mathematics (Faculty of Science)  
 Applied Mathematics (Faculty of Science)  
 Mathematical Statistics (Faculty of Science)  
 Psychology (Faculty of Science)  
 Government and Public Administration (Economics)  
 Department of Social Work
- (b) Dean, Science  
 Dr M. A. C. Besly  
 Associate Professor C. C. Paige
- (c) Mr J. C. Hodge  
 Ms K. M. L. Webber
- (d) Dean, Economics  
 Professors of Economics  
 Professor of Economic History  
 Dr G. Butler (Economics)  
 Mr B. W. Ross  
 Associate Professor J. R. Wilson (Economics)  
 Dr R. Aldrich (Economic History)  
 Dr P. K. Hall (Economic History)
- (e) Dean, Law  
 Ms C. M. Chinkin  
 Associate Professor S. D. Hotop

<sup>1</sup> Provision for membership of the Faculty of Education on the Faculty of Arts is pending.

- (f) Ms P. Brown  
Mr M. C. Drury  
Mr G. A. Elliott  
Reverend W. W. Emilsen  
Ms L. L. Fowkes  
Mr D. P. Morris  
Ms T. Stienissen
- (g) University Librarian
- (h) Director, Language Study Centre
- (i) Ms B. Murphy  
Mr L. Paroissien
- (j) Associate Professor J. F. Cleverley (Social and Policy Studies in Education)  
Associate Professor R. L. Debus (Educational Psychology and Measurement)  
Ms S. Groundwater-Smith (Teaching and Curriculum Studies)  
Associate Professor R. J. R. King (Social and Policy Studies in Education)  
Dr H. Marsh (Educational Psychology and Measurement)  
Dr L. C. Owens (Teaching and Curriculum Studies)  
Dr K. W. Rogers (Educational Psychology and Measurement)  
Dr G. E. Sherington (Social and Policy Studies in Education)  
Dr I. D. Smith (Educational Psychology and Measurement)  
Dr J. C. Walker (Social and Policy Studies in Education)

## FACULTY OF DENTISTRY

DEAN: Professor N. D. Martin

The composition of the Faculty of Dentistry is governed by Section 1 of Chapter XV of the by-laws, as follows:

### Members

- (a) The professors, readers, associate professors, senior lecturers, lecturers, senior tutors and tutors in the Departments of Operative Dentistry, Oral Surgery, Preventive Dentistry and Prosthetic Dentistry who are full-time permanent or full-time temporary members of the teaching staff of the University listed under the heading 'Faculty of Dentistry' in the 'Teaching and associated staff' section of this part of the *Calendar*.
- (b) Dean, Medicine  
Dean, Science
- (c) Dr B. A. McInnes (Physics)  
Dr M. Peat (Biological Sciences)  
Dr R. Pierens (Chemistry)
- (d) *Anatomy*  
Mr P. L. Davies  
*Biochemistry*  
Professor P. W. Kuchel (Head)  
Dr M. A. W. Thomas  
Dr R. I. Christopherson  
*Histology and Embryology*  
Professor K. W. Cleland (Head)  
Dr G. E. Sullivan  
Dr M. A. Swan  
*Infectious Diseases*  
Professor Y. E. Cossart (Head)  
Associate Professor R. Kearney  
Mrs M. Pegler  
*Pathology*  
Professor S. E. Dorsch  
Dr J. R. Gibbins  
*Pharmacology*  
Dr E. J. Mylecharane

### Physiology

- Professor W. Burke  
Associate Professor B. S. Gow  
Associate Professor A. E. Sefton
- (e) Boden Professor of Human Nutrition
- (f) University Librarian or nominee
- (g) Dr J. Highfield  
Dr B. Lilienthal  
Mr A. Martin  
Mr W. Winspear
- (h) . . . . .
- (i) President, Dental Health, Education and Research Foundation
- (j) General Superintendent of Westmead Hospital  
Superintendent of the United Dental Hospital of Sydney
- (k) The Director of Dental Services at Westmead Hospital
- (l) The Director of the Institute of Dental Research
- (m) Principal dental adviser of the Health Commission of New South Wales
- (n) Nominee, Australian Dental Association (New South Wales Branch): Dr J. W. Dale  
Nominee, Royal Australasian College of Dental Surgeons: Dr R. W. Hession

## FACULTY OF ECONOMICS

DEAN: Professor S. M. Salsbury

The composition of the Faculty of Economics is governed by Section 1 (1) of Chapter XVIII of the by-laws, as follows:

### Members

- (a) The professors, readers, associate professors, senior lecturers, lecturers and senior tutors who are full-time permanent or full-time temporary members of the teaching staff of the University listed under the heading 'Faculty of Economics' in the 'Teaching and associated staff' section of this part of the *Calendar*.
- (b) Dean, Arts, or representative
- (c) Dean, Law, or representative
- (d) *Anthropology*  
Associate Professor D. J. Austin  
Dr D. K. Feil  
Associate Professor W. H. Newell  
*Geography*  
Professor M. T. Daly  
Dr K. Gibson  
Dr R. Horvath
- (e) *Agricultural Economics*  
Professor B. Fisher  
Mrs C. Tanner  
*School of Physics in the field of Computer Science*  
Dr A. G. Bromley  
Dr I. A. Parkin
- (f) Dr K. K. Macnab  
Dr R. C. de Jongh  
Dr J. H. Pryor
- (g) Mr S. Rosewarne  
Mr R. K. D. Smith
- (h) Ms K. Evans  
Mr S. A. Janes  
Mr M. Peat  
Mr M. J. Roe

## FACULTY OF EDUCATION

DEAN: Professor C. Turney

The composition of the Faculty of Education is governed by Section 1(1) of Chapter Xb of the by-laws, as follows:

FACULTIES:  
AGRICULTURE  
ARCHITECTURE  
ARTS  
DENTISTRY  
ECONOMICS  
EDUCATION

**Members**

- (a) The professors, readers, associate professors, senior lecturers, lecturers, senior tutors and tutors, being full-time permanent or full-time temporary members of the teaching staff of the University listed under the heading 'Faculty of Education' in the 'Teaching and associated staff' section of this part of the *Calendar*.
- (b) Dean, Arts, or nominee  
Dean, Science, or nominee  
Dean, Economics, or nominee
- (c) (i) *Faculty of Arts*  
Dr P. Crittenden  
Associate Professor B. H. Fletcher  
Dr R. J. Fletcher  
Dr J. P. Gibbons  
Associate Professor J. Gunn  
Dr J. R. Martin  
Dr A. Reynolds  
Mr B. Taylor  
(ii) *Faculty of Science*  
Dr J. Connell  
Mr A. J. Harle  
Dr E. G. Johnson  
Dr I. D. S. Johnston  
Ms J. Kay  
Associate Professor J. Mack  
(iii) *Faculty of Economics*  
Dr R. Aldrich  
Mrs C. Coleman  
Dr D. Fiebig  
Dr M. Hogan  
(iv) Dr K. Billings (Faculty of Architecture)  
Professor K. W. Cleland (Faculty of Medicine)  
Associate Professor K. Godfrey (Faculty of Dentistry)  
Ms E. Magner (Faculty of Law)  
Associate Professor J. R. Phillips (Faculty of Engineering)  
Dr W. L. Porges (Faculty of Veterinary Science)  
Ms C. Tanner (Faculty of Agriculture)  
(v) Associate Professor K. J. Cable (Board of Studies in Divinity)  
Ms W. J. Evans (Board of Studies in Music)  
Professor S. J. Rees (Board of Studies in Social Work)
- (d) Ms L. Rowling  
Mr P. Schnierer  
Ms V. Street
- (e) Not more than 5 students elected annually in the manner prescribed by resolution of the Senate.
- (f) Dr N. A. Radford
- (g) Mr G. Attuel  
Associate Professor K. J. Eltis  
Dr R. Rawlinson  
Dr F. Sharp  
Dr J. F. Wylie

**FACULTY OF ENGINEERING**

DEAN: Associate Professor J. R. Glastonbury

The composition of the Faculty of Engineering is governed by Section 1 (1) of Chapter XIV of the by-laws, as follows:

**Members**

- (a) The professors, readers, associate professors, senior lecturers, lecturers and senior tutors in the Faculty of Engineering Schools and Departments

who are full-time permanent or full-time temporary members of the teaching staff of the University listed under the heading 'Faculty of Engineering' in the 'Teaching and associated staff' section of this part of the *Calendar*.

- (b) Professor H. Messel (Physics)  
Professor S. Sternhell (Chemistry)  
Professor R. N. Johnson (Undergraduate Studies in Architecture)
- (c) Associate Professor T. M. Gagen (Pure Mathematics)  
Professor P. R. Wilson (Applied Mathematics)  
Professor E. Seneta (Mathematical Statistics)  
Professor G. M. Philip (Geology)  
Associate Professor J. G. Toon (Town and Country Planning)
- (d) Associate Professor D. F. Branagan (Geology)  
Dr M. P. Quine (Mathematical Statistics)  
Dr G. E. Holland (Architecture)  
Mr D. J. Ivers (Applied Mathematics)  
Mr A. J. Harle (Chemistry)  
Dr R. C. Cross (Physics)  
..... (Town and Country Planning)  
Dr G. Monro (Pure Mathematics)
- (e) Mr K. Coles
- (f) .....
- (g) .....
- (h) .....

**FACULTY OF LAW**

DEAN: Professor C. S. Phegan

The composition of the Faculty of Law is governed by Section 1 (a) of Chapter XI of the by-laws, as follows:

**Members**

- (i) The professors, readers, associate professors, senior lecturers and lecturers in the subjects of the curriculum in law, being full-time permanent or temporary members of the teaching staff of the University listed under the heading 'Faculty of Law' in the 'Teaching and associated staff' section of this part of the *Calendar*.
- (ii) Such part-time members of the teaching staff as have responsibility for the general conduct of particular courses in the curriculum in respect of which they are appointed, listed as indicated in (i) above.
- (iii) Mrs D. A. Kok  
The Hon. J. R. McClelland  
The Hon. D. M. Selby  
The Hon. B. H. Vaughan
- (iv) Mr G. K. Downes
- (v) Mr R. H. Fisher
- (vi) Dean, Arts
- (vii) Dean, Economics
- (viii) Dean, Science
- (ix) Mr J. Gava
- (x) Ms A. Cahlan
- (xi) Ms S. M. McNaughton  
Mr P. T. Porteous
- (xii) Mr S. A. Janes
- (xiii) Dean, Law, N. S. W.
- (xiv) University Librarian or representative
- (xv) .....

**FACULTY OF MEDICINE**

DEAN: Professor R. S. Gye

The composition of the Faculty of Medicine is governed by Section 1 of Chapter XII of the by-laws, as follows:

## Members

- (a) The professors, readers, associate professors, directors, senior lecturers, lecturers, and senior tutors who are full-time members of the teaching staff of the University and those persons upon whom the Senate has conferred the title of Professor, Reader, Associate Professor, Director, Senior Lecturer or Lecturer listed under the following headings in the 'Teaching and associated staff' section of this part of the *Calendar*:
  - Faculty of Medicine departments
  - Biochemistry (Faculty of Science)
  - School of Public Health and Tropical Medicine
  - Clinical Immunology Research Centre
  - Neurobiology Research Centre
- (b) The university lecturers in Medical Jurisprudence, Diseases of the Ear, Nose and Throat and Diseases of the Skin listed as indicated in (a) above.
- (c) Head, School of Chemistry, or representative Head, School of Physics, or representative Professor of Mathematical Statistics  
Dean, Arts, or nominee  
Dean, Dentistry, or nominee
- (d) Director, School of Public Health and Tropical Medicine
- (e) (i) Dr N. A. Packham (Royal Prince Alfred Hospital)  
Miss L. H. Barnes (Rozelle Hospital)  
Dr J. A. Thompson (Macquarie Hospital)  
Mr A. B. Conomy (Repatriation General Hospital, Concord)  
Mr V. H. Cumberland (Royal North Shore Hospital of Sydney)  
Dr D. A. Henson (Cumberland Hospital)  
Mr J. Newlinds (Sydney Hospital)  
..... (Lidcombe Hospital)  
Dr J. Dowsett (Westmead Hospital)  
..... (Royal Alexandra Hospital for Children)  
Mr K. J. Collins (St Margaret's Hospital)  
Dr P. A. Rogers (Mater Misericordiae Hospital, North Sydney)  
(ii) Mr F. Fleisher (Western Suburbs District Hospital)  
Mr R. B. O. Piper (Ryde District Hospital)  
Mr W. Cary (Auburn District Hospital)
- (f) Mr J. A. Burgess (Royal Prince Alfred Hospital)  
Mr S. G. Koorey (Repatriation General Hospital, Concord)  
..... (Royal North Shore Hospital of Sydney)  
Mr P. Thursby (Lidcombe Hospital)
- (g) Mr B. J. Amos (Westmead Hospital)  
Dr G. W. Carter (Lidcombe Hospital)  
Dr V. Pearson (Sydney Hospital)  
Dr D. S. Child (Royal Prince Alfred Hospital)  
Dr O. G. Curteis (Repatriation General Hospital, Concord)  
Dr I. R. Vanderfield (Royal North Shore Hospital of Sydney)  
Dr J. S. Yu (Royal Alexandra Hospital for Children)
- (h) Mr M. A. Brown  
Mr S. W. Kelly  
Ms C. S. Yong
- (i) Dr G. C. T. Burfitt-Williams  
Dr K. E. Georgouras  
Dr W. G. McBride  
Professor P. S. Wilenski  
Dr G. Bauer
- (j) .....

- (k) Nominees are members of the Faculty by virtue of one of subsections (a) to (j) inclusive.
- (l) Dr V. Bulteau  
Dr A. Himmelhoch  
Dr R. M. McEwin  
Dr S. G. Nelson  
Dr P. C. Vincent
- (m) Professor E. S. Finckh  
Professor A. Langlands  
Dr M. Walker

FACULTIES:  
EDUCATION  
ENGINEERING  
LAW  
MEDICINE  
SCIENCE  
VETERINARY SCIENCE

## FACULTY OF SCIENCE

DEAN: Associate Professor A. L. Hunt

The composition of the Faculty of Science is governed by Section 1 (1) of Chapter XIII of the by-laws as follows:

### Members

- (a) The professors, readers, associate professors, directors, senior lecturers, lecturers and senior tutors and tutors who are not candidates for higher degrees in the University of Sydney who are full-time permanent or full-time temporary members of the teaching staff of the University listed under the following headings in the 'Teaching and associated staff' section in this part of the *Calendar*.
  - Faculty of Science departments
  - Agricultural Chemistry (Faculty of Agriculture)
  - Microbiology (Faculty of Agriculture)
  - Soil Science (Faculty of Agriculture)
  - Histology and Embryology (Faculty of Medicine)
  - Pathology (Faculty of Medicine)
  - Pharmacology (Faculty of Medicine)
  - Physiology (Faculty of Medicine)
  - Neurobiology Research Centre
- (b) Dean, Arts  
Dean, Agriculture  
Dean, Education  
Dean, Engineering  
Dean, Law
- (c) Director, Electron Microscope Unit
- (d) Director and Curator, Macleay Museum
- (e) Dr A. Boden  
Sir Rutherford Robertson
- (f) Mr P. Beadle  
Mr W. B. Church  
Mr S. B. White  
Mr H. I. Wilson
- (g) Course supervisor, DipND: Dr I. Darnton-Hill
- (h) Lecturer, HPS: Dr A. Chalmers
- (i) Officer-in-Charge of the Mathematics Learning Centre
- (j) Director, School of Public Health and Tropical Medicine  
Professor of Immunology  
Dr W. Hensley
- (k) .....

## FACULTY OF VETERINARY SCIENCE

DEAN: Professor M. J. Edwards

The composition of the Faculty of Veterinary Science is governed by Section 1 of Chapter XVI of the by-laws, as follows:

### Members

- (a) The professors, readers, associate professors, directors, senior lecturers and lecturers who are

full-time permanent members of the teaching staff of the University listed under the heading 'Faculty of Veterinary Science' in the 'Teaching and associated staff' section in this part of the *Calendar*.

- (b) Professor K. W. Cleland (Head — Histology and Embryology)  
Associate Professor L. B. Cobbin (Pharmacology)  
Dr J. W. McAvoy (Histology and Embryology)  
Professor G. Johnston (Head — Pharmacology)  
Associate Professor M. B. Slaytor (Biochemistry)  
Professor R. G. Wake (Head — Biochemistry)
- (c) Dr R. S. Armstrong (Chemistry)  
Dr B. A. McInnes (Physics)  
Dr W. J. R. Lanzing (Biological Sciences)
- (d) Dean, Agriculture
- (e) Director, University Farms
- (f) The Superintendents, Senior Clinical Pathologist, Senior Clinical Instructor who are full-time permanent members of the staff of the Veterinary Hospital and Clinic and the Rural Veterinary Centre
- (g) Director, University Animal Houses
- (h) Professor C. J. Pearson
- (i) Dr M. E. O'Neill
- (j) Dr A. D. Donald  
Mr R. I. Taylor  
Mr R. M. Watts, OA
- (k) The short-term senior lecturers and the short-term lecturers listed as indicated in (a) above.
- (l) Ms C. G. V. Ainsworth  
Ms S. E. Thomson  
Mr G. D. Bailey

## BOARD OF STUDIES IN DIVINITY

CHAIRMAN: Associate Professor K. J. Cable  
The composition of the Board of Studies in Divinity is governed by Section 2 (1) of Chapter XA of the by-laws, as follows:

### Members

- (a) Dean, Arts
- (b) Professor of Religious Studies  
Professor of Semitic Studies
- (c) University Librarian or representative
- (d) Associate Professor W. H. Newell (Anthropology)  
Professor J. B. Hennessy (Archaeology)  
Professor W. Ritchie (Greek)  
Dr J. R. Angel, OBE (History)  
Associate Professor B. D. Hoyos (Latin)  
Dr J. Bacon (Traditional and Modern Philosophy)  
Dr T. McMullen (Psychology)  
Dr W. J. Jobling (Religious Studies)  
Dr A. D. Crown (Semitic Studies)
- (e) Dr J. A. L. Lee (Greek)  
Dr G. A. Oddie (History)
- (f) Warden, St Paul's College  
Rector, St John's College  
Principal, St Andrew's College  
Principal, Sancta Sophia College  
Master, Wesley College
- (g) Associate Professor K. J. Cable (History and Thought of Christianity)  
Dr P. W. Barnett (Old and New Testament)
- (h) Dr W. E. C. Andersen (Education)  
Rev. Fr M. J. Chrysavgis  
Rev. Dr G. R. Ferguson

Rev. Dr J. P. Hill

Associate Professor J. G. Tulip (English)

- (i) Rev. G. L. Barnes (History and Thought of Christianity)  
Rev. Dr A. W. Loy (History and Thought of Christianity)  
Rev. Professor C. Miller (History and Thought of Christianity)  
Dr B. Thiering (Old and New Testament)  
Rev. Dr H. Wallace (Old and New Testament)
- (j) Mr P. Dunston

## BOARD OF STUDIES IN MUSIC

CHAIRMAN: Associate Professor R. I. Jack  
The composition of the Board of Studies in Music is governed by Section 2 of Chapter XD of the by-laws, as follows:

### Members

- (a) Chairman of the Academic Board
- (b) Dean, Arts
- (c) The professors, readers, associate professors, senior lecturers, lecturers and senior tutors who are full-time permanent or full-time temporary members of the teaching staff in the Department of Music listed under the heading 'Faculty of Arts' in the 'Teaching and associated staff' section of this part of the *Calendar*.
- (d) Professor N. Collis-George  
Associate Professor R. I. Jack  
Dr N. Newbigin  
Professor H. L. Rogers
- (e) Dr J. M. Clifton-Everest (Faculty of Arts)  
Mrs A. D. Wall (Faculty of Arts)
- (f) . . . . .
- (g) Mr H. Hort (Director of Music, Australian Broadcasting Corporation)

## BOARD OF STUDIES IN SOCIAL WORK

CHAIRMAN: Professor S. Ball  
The composition of the Board of Studies in Social Work is governed by Section 2 of Chapter XE of the by-laws, as follows:

### Members

- (i) The professors, readers, associate professors, senior lecturers, lecturers, senior tutors and tutors being full-time permanent and full-time temporary members of the teaching staff of the University under the heading 'Department of Social Work' in 'Teaching and associated staff' section of this *Calendar*.
- (ii) Dean, Arts, or nominee
- (iii) *Anthropology*  
Associate Professor M. R. Allen (Head)  
Professor P. Lawrence  
Professor R. V. S. Wright  
*Behavioural Sciences in Medicine*  
Associate Professor W.-L. Walker  
*Community Medicine*  
Professor C. Bridges-Webb  
*Education*  
Professor S. Ball  
Professor D. Spearritt  
Professor C. Turney  
*Government and Public Administration*  
Associate Professor T. V. Matthews (Head)

*Paediatrics and Child Health*  
Professor N. Buchanan  
Professor R. K. Oates (Head)  
*Preventive and Social Medicine*  
Professor C. B. Kerr

*Psychiatry*  
Professor P. J. V. Beumont  
Professor R. Meares (Head)

*Psychology*  
Professor R. A. Champion  
Professor P. Ley (Head)  
Professor J. P. Sutcliffe

(iv) Ms Z. Mullaly

(v) Ms S. Brown

(vi) Ms L. Fenley

Ms B. Gapps

Mr S. Lawrence

Ms E. Learner

Ms D. Sharp

Ms S. Truswell

Ms M. Visotina

**FACULTIES:**  
**VETERINARY SCIENCE**  
**BOARDS OF STUDIES:**  
**DIVINITY**  
**MUSIC**  
**SOCIAL WORK**

# Other boards and committees

(at 31 October 1986)

## ADVISORY COMMITTEE FOR CENTRE FOR CONTINUING EDUCATION

The composition of the Committee is governed by the resolutions of the Senate which replace the repealed Chapter XXX of the by-laws as follows:

### Members ex officio

Vice-Chancellor and Principal  
Deputy Vice-Chancellor  
Pro-Vice-Chancellor, Professor S. Dorsch  
Registrar and Deputy Principal  
Deputy Principal and Bursar  
Director of Centre (if there be one)

### Members

- (a) Mrs V. Briant  
Dr L. Coltheart  
Ms H. Edgley  
Mr W. Hooper
- (b) Mr T. Howells  
Mr G. McCarry  
Mrs C. Tanner
- (c) Ms T. Bizannes
- (d) Ms S. Jeffery
- (e) Professor N. Collis-George  
Dr T. Fitzpatrick  
Associate Professor R. I. Jack  
Mr J. E. Wellings

## APPOINTMENTS BOARD

The composition of the Board is governed by Resolutions of the Senate which replace the repealed Chapter XXXIII of the by-laws.

### Members

*A member pursuant to Resolution 4 (1) (a)*  
Director, Careers and Appointments Service

### *Members appointed under Resolution 4 (1) (b)*

- (i) Mr F. L. Hall  
Mr D. Richmond  
Mr R. T. M. Rose  
Mr R. A. Smee  
Miss V. Steward  
.....
- (ii) Professor R. P. Austin  
Professor R. E. Collins

- Associate Professor B. H. Fletcher  
Mr R. J. Vann  
Professor M. C. Wells
- (iii) Mr A. Dwyer  
Mr F. Oppen  
Mr B. Wong
- (iv) Mr G. Elliott

*Member co-opted under Resolution 4 (1) (c)*  
Mr J. L. Fullagar

SECRETARY: Director, Careers and Appointments Service

## STANDING COMMITTEE OF CONVOCAION

The Composition of the Standing Committee of Convocation is governed by Chapter V of the by-laws in conjunction with standing orders, as follows:

### Members<sup>1</sup>

*Faculty of Architecture*  
Mr P. W. S. MacCallum

*Faculty of Arts*  
Miss G. E. Bennett  
Mrs A. C. Bowdler  
Mrs J. P. Humphrey  
Dr L. C. D. Kemp  
Mr C. Latimer  
Mr J. K. McLaughlin  
Mr C. C. Oluje  
Mr D. L. Ronzani  
Mr P. J. Tuck  
Dr N. D. Webb  
Mrs P. M. Whatmore

*Faculty of Economics*  
Mr N. R. Baker  
Mr O. E. Howlett  
Mr F. M. Perry  
Mrs J. V. Roberts

*Faculty of Engineering*  
Mr F. S. Hespe  
Mr A. R. McK. Langley

*Faculty of Law*  
Mr B. C. Mitchell

*Faculty of Medicine*  
Mr G. E. Bauer  
Mr S. W. Freiberg  
Dr K. E. Georgouras  
Mr H. J. Kok  
Mr E. Sussman  
Mr R. H. Syred

*Faculty of Science*  
Mrs N. Cameron  
Mr G. K. Cox  
Mr P. A. Power  
Dr J. R. Simons  
Miss G. P. Taylor  
Mrs P. G. Taylor

*Faculty of Veterinary Science*  
Mr W. L. Whatmore

<sup>1</sup> To hold office from 1 January 1987 to 31 December 1990.



### Executive Committee

PRESIDENT: Mr R. H. Syred  
DEPUTY PRESIDENT: Miss G. Bennett  
Mr F. S. Hespe  
Dr L. C. D. Kemp  
Mr E. Sussman  
Dr N. D. Webb  
Mrs P. Whatmore

HONORARY SECRETARY: . . . . .

### LAW EXTENSION COMMITTEE

The composition of the Law Extension Committee is governed by additional resolutions of the Senate, as follows:

#### Members ex officio

Chancellor  
Deputy Chancellor  
Vice-Chancellor and Principal  
Dean, Law

#### Members

*Three members of the Faculty of Law appointed by Senate on nomination of the Faculty*

Professor R. P. Austin  
Ms J. P. Swanton  
Miss O. Wood

*A judge appointed by Senate on nomination of the Chief Justice of New South Wales*

The Hon. Mr Justice B. J. K. Cohen (Chairman)

*Two barristers appointed by Senate on nomination of New South Wales Bar Association*

Mr G. K. Downes  
Mr B. S. O'Keefe

*Two solicitors appointed by Senate on nomination of Law Society of New South Wales*

Mr R. H. Fisher  
Mr G. F. Foster

*Four persons appointed by Senate*

Associate Professor R. L. Bowra  
Mr H. McCredie  
Mr J. Oxley-Oxland  
Mr D. B. Smart

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DIRECTOR: Dr G. B. Elkington

### LIBRARY COMMITTEE

CHAIRMAN: Associate Professor M. A. Harris (Arts)

The composition of the Library Committee is governed by additional resolutions of the Senate, as follows:

#### Members ex officio

Vice-Chancellor and Principal  
Deputy Vice-Chancellor  
Chairman or Deputy Chairman of the Academic Board  
Pro-Vice-Chancellor, Professor S. Dorsch  
Registrar and Deputy Principal  
Librarian  
Deputy Librarian  
Associate Librarians

### Members

*Fifteen members of the permanent full-time teaching staff elected by the Academic Board*

Associate Professor D. F. Bagster (Chemical Engineering)  
Dr J. P. Ball (Law)  
Associate Professor C. R. Bellenger (Veterinary Science)  
Associate Professor F. L. Clarke (Economics)  
Dr J. P. Descoeudres (Archaeology)  
Dr R. G. Earnshaw (Dentistry)  
Dr P. J. Fletcher (Medicine)  
Dr G. Holland (Architecture)  
Professor G. A. R. Johnston (Pharmacology)  
Associate Professor J. C. Mackie (Chemistry)  
Associate Professor P. McGrath (Science)  
Dr M. D. Montague (Biochemistry)  
Dr J. L. O'Neil (History)  
Dr H. A. Rose (Plant Pathology and Agricultural Entomology)  
Dr D. L. Smith (Education)  
Professor G. A. Wilkes (Arts)

#### Student members

Mr P. H. W. Beadle  
Ms S. K. Lilienthal  
Mr H. Wilson

*Member co-opted by the aforesaid members*

Dr A. G. Bromley

### BOARD OF STUDIES FOR THE DIPLOMA IN MUSEUM STUDIES

CHAIRMAN: Associate Professor S. M. Jack

The composition of the Board of Studies for the Diploma in Museum Studies is governed by Section 37 of Chapter X of the by-laws, as follows:

#### Members ex officio

Dean, Arts  
Power Professor of Contemporary Art  
Curator, Nicholson Museum  
Curator, Power Gallery of Contemporary Art  
Curator, Macleay Museum

#### Members appointed by the Faculty of Arts

Miss J. M. F. Birmingham (Archaeology)  
Mr A. Bond (Art Gallery of New South Wales)  
Mr M. Goss (Regional Galleries Association of New South Wales)  
Mr J. C. Hodge (Museum Studies)  
Associate Professor R. I. Jack (History)  
Miss P. M. McDonald (Australian Museum)  
Dr L. G. Sharp (Museum of Applied Arts and Sciences)  
Ms K. M. L. Webber (Museum Studies)  
Mr R. Wesley (N.S.W. Branch of the Museums Association of Australia)

### BOARD OF STUDIES IN NUTRITION AND DIETETICS

CHAIRMAN: Associate Professor A. L. Hunt

The composition of the Board of Studies in Nutrition and Dietetics is governed by resolutions of the Senate pursuant to Section 25 of Chapter XIII of the by-laws, as follows:

#### Members ex officio

*Deans of faculties*

- (a) Science
- (b) Medicine

### OTHER BOARDS AND COMMITTEES

## OFFICERS

- (c) Agriculture
- (d) Veterinary Science
- (e) Dentistry
- (f) Pro-Dean of the Faculty of Science
- (g) Boden Professor of Human Nutrition
- (h) Course Supervisor for the Diploma: . . . . .

## Members

### *Members appointed by the Faculty of Science*

- (i) Professor J. R. Turtle (Medicine)
- (j) Professor D. R. Fraser (Animal Husbandry)
- (k) Associate Professor M. A. Messer (Biochemistry)
- (l) Professor N. Buchanan (Paediatrics and Child Health)
- (m) Dr B. J. Morris (Physiology)
- (n) Director, School of Public Health and Tropical Medicine
- (o) Dr D. S. Child (Teaching Hospitals)
- (p) Mrs R. Harding (N.S.W. Health Commission)
- (q) Mrs N. Whipp (N.S.W. Institute of Dietitians)
- (r) Miss J. Rogers (Chief Dietitian of a teaching hospital)
- (s) Dr A. Boden  
Mr E. E. Bond, MBE  
Dr F. H. Reuter  
Dr D. M. Walker

### *Student member*

- (t) Ms J. Tresidder

## POSTGRADUATE COMMITTEE IN DENTAL SCIENCE

The composition of the Committee is governed by Resolutions of the Faculty of Dentistry pursuant to Chapter XV of the by-laws, as follows:

### Members

- (a) Dean, Dentistry (Chairman)  
Professor M. Jolly  
Professor I. J. Klineberg  
Professor K. S. Lester
- (b) Associate Professor G. Wing
- (c) Mr R. Y. Norton
- (d) Mr J. K. Grainger
- (e) Mr C. Savage
- (f) Professor K. W. Knox
- (g) Dr R. W. Hession
- (h) Associate Professor B. S. Gow
- (i) Mr A. P. Martin  
Dr A. G. Rowell

## POSTGRADUATE COMMITTEE IN MEDICINE

The composition of the Committee is governed by Resolutions of the Faculty of Medicine.

### Members ex officio

*Members pursuant to Resolution 4 (i) (a)*  
Dean, Medicine (Chairman)

*Members pursuant to Resolution 4 (i) (c)*  
Dr V. G. Bulteau  
Dr S. G. Nelson

### Members

*Members pursuant to Resolution 4 (i) (d)*  
Dr G. Bauer  
Associate Professor E. L. Bokey  
Associate Professor I. S. Fraser

Dr A. Himmelhoch  
Professor J. R. Lawrence  
Dr R. McEwin  
Professor T. S. Reeve  
Professor J. Shaw  
Dr P. C. Vincent  
Professor J. A. Young

### *Members pursuant to Resolution 4 (i) (e)*

Dr J. Dowsett  
Associate Professor J. McCredie

SECRETARY: Mr T. Evans

## POSTGRADUATE COMMITTEE IN VETERINARY SCIENCE

CHAIRMAN: Professor M. J. Edwards

HONORARY DIRECTOR OF POSTGRADUATE VETERINARY STUDIES: Dr W. G. Cotton

HONORARY SECRETARY: Mr D. I. Bryden

HONORARY TREASURER: Mr W. P. Nicholas

The composition of the Committee is governed by Chapter XXXV of the by-laws, as follows:

### Members ex officio

*Members pursuant to Section 2 (a)*

Chancellor

Deputy Chancellor

Vice-Chancellor and Principal

Dean, Veterinary Science

President, Board of Veterinary Surgeons of New South Wales

### Members

*Representative members appointed under Section 2 (b), in respect of the bodies provided for in Section 1 of the Resolutions of the Senate pursuant to Chapter XXXV of the by-laws:*

- (a) Associate Professor B. R. H. Farrow  
Associate Professor J. M. Keep
- (b) Mr J. M. Graham  
Mr I. K. Hotson  
Dr M. A. Rose  
Mr R. I. Taylor
- (c) Mr S. N. Carroll
- (d) Dr A. D. Donald  
Dr P. Outteridge
- (e) Mr D. H. Mumford
- (f) Mr A. T. Reid

*Members co-opted under Section 2 (c)*

Dr H. McL. Gordon

Mr W. P. Nicholas

Dr R. J. Rose

Associate Professor J. M. Sabine

*Members pursuant to Section 2 (d)*

Professor M. J. Edwards

Dr W. G. Cotton

Mr D. I. Bryden

## BOARD OF STUDIES FOR THE DEGREE OF MASTER OF PSYCHOLOGY

CHAIRMAN: Associate Professor S. M. Jack

The composition of the Board of Studies for the degree of Master of Psychology is governed by Section 15 of Chapter X of the by-laws, as follows:

**Members ex officio**

- (a) Dean, Arts
- (b) Head, Psychiatry  
Head, Social Work

**Members**

- (c) Dr D. M. Atrens  
Dr H. C. Beh  
Professor R. A. Champion  
Dr B. D. Crabbe  
Dr A. E. Craddock  
Dr I. S. Curthoys  
Mrs V. R. Hensley  
Mr D. J. Ivison  
Dr E. G. Johnson  
Professor P. Ley  
Associate Professor J. R. Maze  
Dr T. McMullen  
Mr W. W. Pitty  
Dr L. Stankov  
Professor J. P. Sutcliffe  
Miss A. M. Turtle  
Dr M. B. Walker  
Dr P. M. Wenderoth
- (d) Dr P. J. Davis  
Dr J. M. Predebbon  
Dr S. H. Spence  
Dr P. H. Wilson
- (e) Mr G. Betts  
Mr M. McMahon
- (f) Ms M. Jones (Marsden Hospital)  
Mr N. Macbeth (Northern Metropolitan Health Region)  
Mr D. J. McKenzie (Family Law Counselling Service)  
Mr M. K. Nicholas (Westmead Hospital)  
Dr S. Touyz (Royal Prince Alfred Hospital)

**RESEARCH COMMITTEE**

The composition of the Research Committee is governed by Chapter XIXc of the by-laws, as follows:

**Members ex officio**

Chairman of the Academic Board  
Pro-Vice-Chancellor nominated by the Vice-Chancellor and Principal  
Deputy Chairman of the Board nominated by the Chairman  
Registrar and Deputy Principal

**Members**

*Ten members elected by the Academic Board*  
Professor M. R. Bennett (Medicine)  
Professor J. R. Booker (Engineering)  
Associate Professor M. B. Clunies-Ross (Arts)  
Professor C. H. Gallagher (Veterinary Science)  
Professor D. J. Harland (Law)  
Professor W. P. Hogan (Economics)  
Professor R. N. Johnson (Architecture)  
Professor N. D. Martin (Dentistry)  
Professor P. R. Reeves (Agriculture)  
Professor S. Sternhell (Science)  
Professor C. Turney (Education)

**Members co-opted by the aforesaid members**

Professor J. S. Gero  
Professor S. Rees  
Professor B. G. Thom  
Professor R. V. S. Wright

**SYDNEY UNIVERSITY PRESS BOARD**

The membership of the Board of the Sydney University Press is governed by additional resolutions of the Senate, as follows:

**Members**

*Seven members appointed by the Senate for a two-year period commencing on 3 February 1986*  
Emeritus Professor W. M. O'Neil—(Chairman)  
Professor G. A. Wilkes—(Deputy Chairman)  
Dr A. Boden  
Professor D. J. Harland  
Professor C. J. Pearson  
Professor S. M. Salsbury  
Professor G. von Wilpert

SECRETARY: Director, Sydney University Press

**BOARD OF STUDIES FOR THE DIPLOMA IN THE TEACHING OF ENGLISH AS A FOREIGN LANGUAGE**

CHAIRMAN: Professor C. Turney

The composition of the Board of Studies for the Diploma in the Teaching of English as a Foreign Language is governed by Resolutions of the Senate relating to the Diploma in the Teaching of English as a Foreign Language pursuant to Chapter Xb as follows:

**Members**

- (a) Professor C. Turney
- (b) Professor H. L. Rogers
- (c) Professor M. A. K. Halliday
- (d) Dr K. Laws
- (e) Ms P. M. Riley
- (f) Ms O. Katchan  
Mr B. A. Taylor
- (g) Ms J. Jones  
Mr P. McGillick
- (h) such further persons, if any, not exceeding two, as may be appointed by the Faculty of Education on the recommendation of the aforesaid members.

**OTHER BOARDS AND COMMITTEES**

# Professors

(as known at 1 January 1987)

## History

John Manning Ward, AO, MA LLB, FAHA FASSA  
FRAHS

Appointed Challis Professor of History 7 March 1949  
Professor of History 6 December 1982

Appointed Deputy Vice-Chancellor 1 January 1979  
Appointed Vice-Chancellor and Principal 7 September 1981

## Physics

Harry Messel, CBE, BA BSc *Qu.* PhD *N.U.I.*,  
FAAAS

Appointed 1 September 1952

## Histology and Embryology (Bosch Professor)

Kenneth Wollaston Cleland, MB BS

Appointed 4 March 1957

## Preventive Dentistry

Noel Desmond Martin, AM, MDS, FACD FAPHA  
FICD FRACDS AIAOP

Appointed 4 December 1961 (Associate Professor  
1955–1961)

## Physiology

Michael Gleeson Taylor, MD BS *Adel.* PhD DSc  
*Lond.*, FRACP

Appointed 4 December 1961

Appointed Deputy Vice-Chancellor 3 February 1975

## Soil Science

Neville Collis-George, MSc *Manc.* PhD *Camb.*,  
FRSChem

Appointed 7 August 1962 (Associate Professor  
1956–1962)

## English Literature (Challis Professor)

Gerald Alfred Wilkes, DPhil *Oxf.* MA DipEd, FAHA  
Appointed Professor of Australian Literature 3 September 1962; Challis Professor of English Literature 5 December 1966

## Agricultural Chemistry

John Frederick Turner, PhD ScD *Camb.* MSc,  
FRSChem FRACI

Appointed 18 December 1962

## Classical Archaeology (Arthur and Renee George Professor)

Alexander Cambitoglou, BA *Salonika* MA *Manc.*

PhD *Lond.* DPhil *Oxf.*, FAthens ArchaeolS FAHA

FSA Corr.MDAI Corr.MAthensAcad

Appointed Professor of Archaeology 1 April 1963.

Title of chair changed to Arthur and Renee George

Chair of Classical Archaeology 15 May 1978

## Anaesthetics (Nuffield Professor)

Douglas Joseph, MB BS, FFARCS FFARACS

Appointed 19 May 1963

## Philosophy (Challis Professor)

David Malet Armstrong, BPhil *Oxf.* PhD *Melb.* BA,  
FAHA

Appointed 1 March 1964

## Aeronautical Engineering (Lawrence Hargrave Professor)

Graeme Austin Bird, BSc ME PhD, FTS FRAES  
FIEAust AFAIAA

Appointed 4 August 1964

## Greek

William Ritchie, MA PhD *Camb.* BA, FAHA

Appointed 22 February 1965

## Pure Mathematics

Gordon Elliott Wall, BSc *Adel.* PhD *Camb.*, FAA

Appointed 7 June 1965

## Oral Medicine and Oral Surgery

(McCaughey Professor)

Mark Jolly, AM, MDS DDSc, FRACDS

Appointed 3 August 1965 (Associate Professor in Oral  
Surgery 1964–1965)

## Psychology (McCaughey Professor)

Richard Annells Champion, MA *Iowa* BA, FASSA

Appointed 1 November 1965 (Associate Professor in  
Experimental Psychology 1963–1965)

## Veterinary Pathology (Hughes Professor)

Clifford Harold Gallagher, PhD *Lond.* DVSc,

FACVSc FRCPath

Appointed 1 January 1966

## Early English Literature and Language

(McCaughey Professor)

Harold Leslie Rogers, MA *Oxf.*

Appointed 4 July 1966 (Associate Professor  
1964–1966)

## Surgery (Bosch Professor)

Gerald White Milton, MB BS *Adel.*, FRCS FRACS

Appointed Professor of Surgery 4 October 1966;

Bosch Professor 6 December 1982 (Associate Professor  
1960–1966)

## Psychology

John Philip Sutcliffe, MA PhD, FASSA

Appointed 7 November 1966 (Reader 1963–1966)

## Electrical Engineering

Hugo Karl Messerle, MEngSc DSc *Melb.* PhD, FTS

FIEE FIEAust FIREE FIEEE FAIP

Appointed 19 December 1966 (Reader 1960–1966)

## Architecture

Richard Norman Johnson, AO, BArch, FRIBA  
LFRAIA

Appointed 30 January 1967

**Physiology**

William Burke, BSc PhD *Lond.*

Appointed 18 December 1967 (Associate Professor 1965–1967)

**Preventive and Social Medicine**

Charles Baldwin Kerr, DPhil *Oxf.* MB BS, FRACP FFCM

Appointed 12 February 1968

**Economics**

Warren Pat Hogan, MA *N.Z.* PhD *A.N.U.*

Appointed 17 May 1968

**Australian Literature**

Dame Leonie Judith Kramer, DBE, BA *Melb.* DPhil *Oxf.* Hon.DLit *Tas.* Hon.LLD *Melb.&A.N.U.*, FAHA FACE

Appointed 3 June 1968

**Obstetrics and Gynaecology**

Rodney Philip Shearman, MD BS DGO, FRCOG FRACOG

Appointed 1 November 1968 (Associate Professor 1964–1968)

**Chemical Engineering**

Rudolf George Herman Prince, BSc BE *N.Z.* PhD, FICHEME FIEAust

Appointed 2 June 1969

**Orthopaedics and Traumatic Surgery**

Thomas Kinman Fardon Taylor, DPhil *Oxf.* MB BS, FRCS FRCSed FRACS

Appointed 21 December 1969

**Pharmaceutical Chemistry**

Thomas Robert Watson, MSc *N.Z.* PhD, FRACI FPS

Appointed 2 November 1970 (Associate Professor 1965–1970)

**Chemistry (Inorganic Chemistry)**

Hans Charles Freeman, MSc PhD, FAA FRACI

Appointed 1 March 1971 (Reader 1964–1971)

**Chemistry (Theoretical Chemistry)**

Noel Sydney Hush, DSc *Manc.* MSc, FAA FRACI

Appointed 19 April 1971

**Horticulture**

Michael Gordon Charles Mullins, BSc *R'dg* PhD *Lond.* DipAgric *Camb.*

Appointed 27 September 1971

**Applied Mathematics**

Peter Robert Wilson, BA MSc *Melb.* PhD, FRAS

Appointed 1 October 1971 (Reader 1966–1971)

**Geology (Edgeworth David Professor)**

Graeme Maxwell Philip, PhD *Camb.* DSc *Melb.*, FGS MAIMM

Appointed 1 January 1972

**Biology**

Donald Thomas Anderson, AO, PhD *Lond.* DSc *Lond. & Syd.*, FRS

Appointed Professor of Biology 7 February 1972; Challis Professor 29 February 1984 (Reader 1969–1971)

**Medicine (Bosch Professor)****Neurology (Laura Bushell Professor)**

James Graham McLeod, AO, DPhil *Oxf.* BSc(Med) MB BS, FRACP FRCP FAA

Appointed Professor of Medicine 5 June 1972, with title of Laura Bushell Professor of Neurology 6 November 1978, and Bosch Professor of Medicine 6 December 1982.

**Veterinary Clinical Studies**

John Ross Egerton, BVSc *Qld* DipBact *Lond.* DVSc, MACVSc MASM

Appointed Professor of Veterinary Medicine 1 July 1972. Title of Chair changed to Veterinary Clinical Studies 3 November 1975

**Indonesian and Malayan Studies**

Peter John Worsley, DLitt *Ley.* BA

Appointed 3 August 1972

**Law**

Patrick Harding Lane, SJD *Harv.* BA LL.D

Appointed 3 October 1972

**Plant Pathology**

Brian James Deverall, BSc *Edin.* PhD DIC *Lond.*

Appointed 29 December 1972

**Pure Mathematics**

Gregory Maxwell Kelly, BA PhD *Camb.* BSc, FAA

Appointed 1 February 1973

**Medicine**

Douglas William Piper, MD BS, FRCP FRACP (Associate Professor 1963–1973)

Appointed 2 July 1973

**Middle Eastern Archaeology (Edwin Cuthbert Hall Professor)**

John Basil Hennessy, DPhil *Oxf.* BA, FAHA FSA

Appointed 11 December 1973

**Surgery**

Thomas Smith Reeve, CBE, DDU *Aust.Soc.Ult.Med.*

MB BS, FACS FRACS Hon. FRACR (Associate Professor 1963–1974)

Appointed 5 March 1974

**Animal Husbandry**

Ernest Frank Annison, PhD DSc *Lond.*, FRSCHEM

Appointed 16 September 1974

**Dean, Faculty of Medicine**

Richard Spencer Gye, MA DPhil *Oxf.* MB BS BSc(Med), FRCS FRACS

Appointed 9 December 1974

**Town and Country Planning**

Serge Domicelj, LicArchit *Buenos Aires* DipCD *Edin.*, MRAPI

Appointed 6 January 1975

**Jurisprudence (Challis Professor)**

Alice Erh-Soon Tay, AM, PhD *A.N.U.*

Appointed Professor of Jurisprudence 10 January 1975; Challis Professor 6 December 1982

**Music**

Peter Platt, MA BMus BLitt *Oxf.*, FGSM

Appointed 22 May 1975

**Mechanical Engineering** (P. N. Russell Professor)

Roger Ian Tanner, BSc *Brist.* MS *Calif.* PhD *Manc.*,  
FAA FTS FIEAust MASME MAChE  
Appointed 8 July 1975

**Veterinary Clinical Studies**

Marshall John Edwards, MVSc *Liv.* PhD DVSc,  
MRCVS MACVSc  
Appointed Professor of Veterinary Surgery 1 September 1975. Title of Chair changed to Veterinary Clinical Studies 3 November 1975

**Community Medicine**

Charles Bridges-Webb, MB BS *Melb.* MD *Monash*,  
FRACGP  
Appointed 29 September 1975

**Psychiatry**

Pierre Joseph Victor Beumont, MB ChB *Pret.* MSc  
*Oxf.* MPhil *Lond.* DPM, FRANZCP FRACP  
FRCPsych MRCP (*U.K.*)  
Appointed 15 October 1975

**Immunology**

Antony Basten, MB BS *Adel.* DPhil *Oxf.*, FRCP  
FRCPA FRACP FTS  
Appointed 3 November 1975 (Associate Professor in  
Clinical Immunology 1974-1975)  
Appointed Director, Clinical Immunology Research  
Centre 18 March 1982

**Oral Biology** (and Director of the Institute of Dental Research, United Dental Hospital of Sydney)

Kenneth William Knox, PhD *Lond.* MSc  
Appointed 3 November 1975

**Accounting**

Murray Charles Wells, MCom *Cant.* PhD, FASSA  
FASA, CPA  
Appointed Professor of Accounting 3 November 1975. Title of Chair changed to Arthur Young Chair of Accounting 1 March 1986

**French** (McCaughey Professor)

Ivan Peter Barko, Officier des Palmes Académiques  
*France*, LicPhilRom *Brussels DU Stras.*, FAHA  
Appointed 15 December 1975

**Linguistics**

Michael Alexander Kirkwood Halliday, BA *Lond.*  
MA PhD *Camb.* DHC *Nancy*, FAHA  
Appointed 24 December 1975

**Geography** (McCaughey Professor)

Maurice Timothy Daly, BA PhD  
Appointed Professor of Geography 19 January 1976;  
McCaughey Professor 6 December 1982

**Physiology**

John Atherton Young, BSc(Path) MD BS DSc *Qld.*,  
FAA FRACP  
Appointed 2 February 1976 (Associate Professor  
1972-1976)

**Cardiology** (Scandrett Professor)

David Thomas Kelly, MB ChB *N.Z.*, FRACP FACC  
Appointed 8 July 1976

**Economics**

Gordon Mills, MA *Camb.*  
Appointed 24 July 1976

**Education**

Clifford Turney, BA Med PhD  
Appointed 1 September 1976 (Associate Professor  
1973-1976)

**Mechanical Engineering**

Robert William Bilger, BSc BE *N.Z.* DPhil *Oxf.*,  
FIEAust  
Appointed 1 November 1976 (Associate Professor  
1975-1976)

**Medicine**

James Roland Lawrence, MB BS *Adel.*, FRACP  
Hon.FACP  
Appointed 24 December 1976

**Biochemistry** (McCaughey Professor)

Robert Gerard Wake, MSc PhD  
Appointed 1 January 1977 (Reader 1970-1976)

**Clinical Ophthalmology**

Francis Alfred Billson, MB BS *Melb.* DO,  
*R.C.P.&S.*, FRCS FRCSEd FRACS FACS  
FRACO  
Appointed 17 January 1977

**Religious Studies**

Eric John Sharpe, MA *Manc.* TeolD *Uppsala*, FAHA  
Appointed 26 January 1977

**Italian**

Gino Lorenzo Rizzo, DottLett *Padova*  
Appointed 10 May 1977

**Economic History**

Stephen Matthew Salisbury, AB *Occidental* AM PhD  
*Harv.*  
Appointed 10 June 1977

**Cancer Medicine** (and Director, Sydney Cancer Therapy Unit, Ludwig Institute for Cancer Research)

Martin Henry Norman Tattersall, MA BChir MD  
*Camb.* MSc *Lond.*, FRCP FRACP  
Appointed 1 August 1977

**Chemistry** (Organic Chemistry)

Sever Sternhell, PhD DSc DIC *Lond.* MSc, FRACI  
Appointed 7 November 1977 (Reader 1967-1977)

**Surgery**

John Miles Little, MD MS, FRACS  
Appointed 5 December 1977 (Associate Professor  
1971-1977)

**Plant Breeding**

Barrie Dale Hingston Latter, PhD *Edin.* BScAgr  
Appointed 1 January 1978 (Professor of Biology  
(Genetics) 13 January 1975 to 31 December 1977)

**Surgery (in the field of Transplantation)** (Raymond E. Purves Professor)

Ainslie Glenister Ross Sheil, BSc MA *Oxf.* MB MS  
*Qld.* FRCS FRACS FACS  
Appointed 6 March 1978 (Associate Professor in Sur-  
gery 1969-1978)

**Human Nutrition** (Boden Professor)

Arthur Stewart Truswell, MD ChB *Cape T.*, FRCP  
FRACP FFCM  
Appointed 27 April 1978

**Education**

Samuel Ball, PhD *Iowa* BA Med, FAPA  
Appointed 1 May 1978

**Prosthetic Dentistry**

Iven John Klineberg, PhD *Lond.* BSc MDS,  
FRACDS FDSRCS FICD  
Appointed 1 September 1978

**Social Work**

Stuart John Rees, BA DipSocStud CertSocCasework  
*Ston* PhD *Aberd.*  
Appointed 18 September 1978

**Medicine**

Peter Anthony Castaldi, MD BS, FRACP FRCPA  
Appointed 1 November 1978

**Civil Engineering**

Nicholas Snowden Trahair, BSc BE MEngSc PhD  
Appointed Professor of Civil Engineering 1 January  
1979; Challis Professor 21 March 1984 (Associate  
Professor 1971–1978)

**Medicine**

John Ross Turtle, MD BS, FRACP  
Appointed 1 January 1979 (Associate Professor in  
Medicine 1971–1978)

**Contemporary Art (Power Professor)**

Virginia Margaret Spate, MA *Melb.* & *Camb.* PhD  
*Bryn Mawr*, FAHA  
Appointed 8 January 1979

**Physics (Theoretical Physics)**

Donald Blair Melrose, BSc *Tas.* DPhil *Oxf.*  
Appointed 15 January 1979

**Architecture**

Geoffrey Philip Webber, MS(Arch) *Col.* BArch  
MTCP, FRAIA MRAPI ARIBA  
Appointed 6 February 1979

**Biology (in the field of genetics)**

John Alexander Thomson, MSc MAgrSc PhD *Melb.*  
Appointed 1 March 1979

**Mathematical Statistics**

Eugene Seneta, MSc *Adel.* PhD *A.N.U.*  
Appointed 19 June 1979

**Veterinary Physiology**

Donald Alexander Titchen, MA PhD ScD *Camb.*  
BVSc  
Appointed 9 July 1979

**Clinical Pharmacology (Reckitt and Colman Professor)**

John Shaw, MB BS PhD, FRACP  
Appointed 1 August 1979

**Semitic Studies**

Rifaat Yassa Ebied, BA *Ain Shams*, FRAsiaticS  
FAHA  
Appointed 10 September 1979

**Surgery**

James May, MB MS, FRACS FACS  
Appointed 5 November 1979

**Paediatrics**

Neil Buchanan, BSc MB BS *Lond.* PhD *Witw.*,  
FCP(SA) FRACP MRCS LRCP  
Appointed 22 November 1979

**Pharmaceutics**

Ronald Alexander Anderson, BSc AUAPharm *Adel.*  
PhD, FPS  
Appointed 3 December 1979 (Associate Professor  
1970–1979)

**Pharmacology**

Graham Allen Ross Johnston, PhD *Camb.* MSc,  
FRACI  
Appointed 1 February 1980

**History (Challis Professor)**

Deryck Marshall Schreuder, BA *Rhodes* DPhil *Oxf.*  
Appointed Professor of History 1 July 1980; Challis  
Professor 6 December 1982

**Director of Dental Services at Westmead Hospital and Professor of Dentistry**

Keith Simon Lester, MDS PhD DSc, FRACDS  
Appointed 8 July 1980

**Applied Physics**

Richard Edward Collins, PhD *N. Y.* BSc  
Appointed 17 July 1980

**Director, Children's Medical Research Foundation (Lorimer Dods Professor)**

Peter Brock Rowe, MD BS, FRACP  
Appointed 24 July 1980 (Associate Professor in Child  
Health 1973–1980)

**Psychology**

Philip Ley, BA *Manc.* PhD *Liv.* DipPsychol *Lond.*,  
FBPSS  
Appointed 5 August 1980

**Economics**

Peter Diderik Groenewegen, PhD *Lond.* MEc,  
FASSA  
Appointed 4 August 1980 (Associate Professor  
1974–1980)

**Biochemistry**

Philip William Kuchel, BMedSc MB BS *Adel.* PhD  
*A.N.U.*  
Appointed 26 August 1980

**Electrical Engineering (P. N. Russell Professor)**

Trevor William Cole, BE *W.Aust.* PhD *Camb.*,  
FIEAust  
Appointed 1 September 1980

**Pathology**

Alan Beh Paun Ng, MB BS *Melb.*, FASCP FIAC  
FASDerm FRCPA  
Appointed 15 January 1981

**Physics (Plasma Physics)**

Maxwell Howard Brennan, AO, BSc PhD  
Appointed 1 February 1981

**Law**

David John Harland, BCL *Oxf.* BA LLB  
Appointed 6 April 1981 (Associate Professor  
1974–1981)

**Anthropology**

Richard Vernon Stafford Wright, MA *Camb.*, FRAI  
Appointed 1 January 1982 (Associate Professor in  
Prehistory, 1975–1981)

**Economic Statistics**

Alan Donald Woodland, BA PhD *N.E.*  
Appointed 1 January 1982

**German**

Gero von Wilpert, PhD *N.S.W.*, FAHA  
Appointed 1 January 1982

**Civil Engineering**

Harry George Poulos, BE PhD DScEng, MIEAust  
MASCE (Reader 1972–1982)  
Appointed 2 February 1982

**History**

Roy Malcolm MacLeod, AB *Harv.* PhD *Camb.*,  
FRHistS  
Appointed 5 October 1982

**Public Health Biology**

David Owen Sillence, MD *Melb.* MB BS  
Appointed 6 December 1982

**Surgery**

Robert James Lusby, BS *N.S.W.* MD *Brist.* &  
*N.S.W.*, FRCS FRACS  
Appointed 1 January 1983

**Pathology**

Susan Elizabeth Dorsch, MB BS PhD  
Appointed 7 February 1983 (Associate Professor  
1981–1983)

**Physiology**

Maxwell Richard Bennett, BE MSc PhD *Melb.* DSc,  
FAA  
Appointed 7 March 1983 (Reader 1974–1983)  
Appointed Director, Neurobiology Research Centre,  
18 March 1982

**Modern Greek** (Sir Nicholas Laurantus Professor)

Michael John Jeffreys, MA *Camb.* PhD *Lond.*  
Appointed 6 June 1983

**Otolaryngology**

William Peter Rea Gibson MD BS *Lond.*, FRCS  
Appointed 10 October 1983

**Rheumatology** (Florance and Cope Professor)

Peter Michael Brooks, MD BS *Mon.*, FRACP,  
FACRM  
Appointed 5 December 1983

**Law**

Colin Stanley Phegan, LLM *Mich.* & *Syd.* BA  
Appointed 7 May 1984 (Associate Professor 1983–84)

**Law**

Robert Peter Austin, DPhil *Oxf.* BA LLM  
Appointed 7 May 1984 (Associate Professor 1983–84)

**Director, Menzies School of Health Research, Darwin**  
(Robert Menzies Professor)

John Duncan Mathews, BSc MD BS PhD *Melb.*,  
FRACP  
Appointed 4 June 1984

**Respiratory Medicine**

Ann Janet Woolcock, MB BS *Adel.* MD, FRACP  
Appointed Professor of Medicine 2 October 1984;  
Title of Chair changed to Respiratory Medicine  
8 October 1985

**Geography**

Bruce Graham Thom, BA PhD *Louisiana State*  
Appointed 1 January 1985

**Paediatrics and Child Health** (Douglas Burrows Professor)

Ronald Kim Oates, MHP *N.S.W.* DCH *R.C.P.* & *S.*  
MD BS, FRACP FRACMA FRCP  
Appointed 4 February 1985

**Infectious Diseases** (Bosch Professor)

Yvonne Edna Cossart, DCP *Lond.* BSc(Med) MB BS,  
FRCPath  
Appointed Professor of Infectious Diseases 4 March  
1985; Bosch Professor 4 November 1985 (Associate  
Professor 1979–1985)

**Organic Chemistry**

Walter Charles Taylor, PhD DSc *Manc.* MSc, FRACI  
Appointed 1 April 1985 (Reader 1967–1985)

**Geriatric Medicine**

Gerald Anthony Broe, BA MB BS, FRACP FACRM  
Appointed 29 April 1985

**Agromony**

Craig John Pearson, BSc(Agric) *W.Aust.* MSc  
*Guelph* PhD *Macq.*  
Appointed 30 April 1985

**Psychiatry**

Russell Ainsley Meares, MD BS *Melb.* DPM *Lond.*,  
FRANZCP FRCPsych  
Appointed 20 May 1985 (Clinical Professor  
1981–1985)

**Law**

Warren Brent Fisse, LLB *Cant.* LLM *Adel.*  
Appointed 23 May 1985

**Architectural Science**

John Steven Gero, BE *N.S.W.* MBdgSc PhD, FRSA  
FIEAust MASCE MIASS  
Appointed 3 June 1985 (Associate Professor  
1975–1985)

**Microbiology**

Peter Richard Reeves, BSc PhD *Lond.*  
Appointed 28 June 1985.

**Engineering Mechanics**

John Robert Booker, BSc PhD DEng  
Appointed 1 July 1985 (Reader 1978–1985)

**Accounting**

Gregory Paul Whittred, BCom *Qld* PhD *N.S.W.*  
MEc, AASA, CPA  
Appointed 1 July 1985

**Process Systems Engineering** (ICI Professor)

John Douglas Perkins, MA *Cantab.* BSc(Eng) PhD  
DipTCDHE DIC *Lond.*, ACGI AFIMA  
Appointed 1 October 1985



**Biology**  
 Norman Alan Walker, BSc *Qld* PhD *Tas.*, FAA  
 Appointed 8 October 1985

**Chemistry (Inorganic Chemistry)**  
 D. J. Swaine, MSc *Melb.* PhD *Aberd.*, FRACI  
 Appointed 6 August 1984

**Agricultural Economics**  
 Brian Stanley Fisher, BScAgr PhD  
 Appointed 28 October 1985

**Physical Chemistry**  
 Donald Harold Napper, PhD *Camb.* MSc, FRACI  
 Appointed 4 November 1985

**Neuropathology**  
 Clive Gordon Harper, MB BS, FRCPA  
 Appointed 16 December 1985

**International Law** (Challis Professor)  
 James Richard Crawford, BA LLB *Adel.* DPhil *Oxf.*  
 Appointed 1 February 1986

**Community and Geriatric Medicine**  
 Stephen Ross Leeder, BSc(Med) MB BS PhD,  
 FRACP FFCM  
 Appointed 1 February 1986

**Civil Engineering**  
 Bhushan Lal Karihaloo, BSc(Engg) *Ranchi* MTech  
*I.I.T. Bombay* PhD *Moscow*, FIEAust  
 Appointed 5 February 1986

**Animal Husbandry**  
 David Ross Fraser, PhD *Camb.* BVSc  
 Appointed 1 June 1986

**Government and Public Administration**  
 Christopher C. Hood, BA *York* BLitt *Glas.*  
 Appointed July 1986

**Restorative Dentistry**  
 Wyatt Roderic Hume, BDS BDS PhD *Adel.*  
 Appointed 1 January 1987

**Clinical professors**  
**Radiotherapy**  
 Allan Ogilvie Langlands, BSc MB ChB DMRT *Edin.*,  
 FRCR FRACR  
 Appointed 5 December 1977

**Pathology**  
 Ernest Sydney Finckh, MD BS DCP, FRCPA  
 FRACP FRCPATH  
 Appointed 6 November 1978 (Associate Professor  
 1962–1978)

**Gastroenterology**  
 Neil David Gallagher, MD BS, FRACP  
 Appointed 4 November 1985

**Professorial Fellows**  
**Chemical Engineering**  
 A. V. Bradshaw, BSc *Lond.*, FAATS FIMM FIM  
 MAIMM ARSM  
 Appointed 5 December 1983  
 E. W. Saunders, MAdmim *Monash* BE, FIEAust  
 FAIM  
 Appointed 5 December 1983

**Electrical Engineering**  
 J. A. Dembecki, MEng *N.S.W.*, FAIM FAIPA  
 FIEAust FAIE FIEE FAIP  
 Appointed 7 November 1983

# Teaching and associated staff

(at December 1986)

including promotions to Senior Lecturer to take effect on 1 January 1987

## FACULTY OF AGRICULTURE

### DEPARTMENTS

#### Agricultural Chemistry

##### Professor

John Frederick Turner, PhD ScD *Camb.* MSc,  
FRSChem FRACI  
Appointed 1962

##### Associate Professor

Norman K. Matheson, PhD *Edin.* MSc.

##### Senior Lecturers

Les Copeland, BSc PhD  
Ivan R. Kennedy, BSc(Agric) PhD *W. Aust.*  
Edith M. Lees, BSc PhD *Lond.*

##### Lecturer

Robert A. Caldwell, MSc PhD

##### Tutor

Ada P. Paulin, BScAgr

#### Honorary Appointment

##### Research Affiliate

D.H. Turner, MSc *Adel.* PhD *Camb.*

#### Agricultural Economics

##### Professor

Brian Stanley Fisher, BScAgr PhD  
Appointed 1985

##### Senior Lecturers

Robert L. Batterham, BAgEc *N.E.* MS PhD *Ill.*  
Bruce R. Davidson, MAgrSc *Melb.* PhD *Lond.*, FAIAS  
Carolyn Tanner, BScAgr

##### Lecturer

John C. Quiggin, BA MEd *A.N.U.*

#### Honorary Appointment

##### Emeritus Professor

K.O. Campbell, AM PhD *Chic.* MPA *Harv.*  
BScAgr, FASSA

#### Agricultural Genetics and Biometry

##### Genetics and Plant Breeding

##### Professor

Barrie Dale Hingston Latter, PhD *Edin.* BScAgr  
Appointed 1978

##### Senior Lecturers

Norman L. Darvey, PhD *N.S.W.* BSc  
Kenneth S. McWhirter, PhD *Wis.* BScAgr

##### Tutor

Richard Trethowan, BScAgr

##### Biometry

##### Senior Lecturer

Michael E. O'Neill, BA PhD

##### Professional Officer Grade III

Adrienne C. Kirby, BSc *Qld* MSc

## Agronomy and Horticultural Science

### Agronomy

##### Professor

Craig John Pearson, BSc(Agric) *W.Aust.* MSc  
*Guelph* PhD *Macq.*  
Appointed 1985

##### Senior Lecturers

Lindsay C. Campbell, BSc PhD  
Peter W. Michael, BAgSc PhD *Adel.*  
Peter G. E. Searle, MAgrSc PhD *Qld*  
Bruce G. Sutton, BAgSc *Qld* PhD *A.N.U.*

##### Lecturers

Dennis R. de Kantzow, BScAgr DipAgrEc  
Raymond L. Ison, PhD *Qld* BScAgr

##### Tutor

Peter T. Hayman, BScAgr

#### Honorary Appointment

##### Research Affiliate

G.W. King, BSc PhD *N.S.W.* DipFinMangt *N.E.*

### Horticultural Science

##### Professor

Michael Gordon Charles Mullins, BSc *R'dg* PhD  
*Lond.* DipAgric *Camb.*  
Appointed 1971

##### Reader

Peter B. Goodwin, PhD *Nott.* MScAgr

##### Senior Lecturers

John Clemens, BSc PhD *Brist.* MSc *Lond.*  
William J. Greenhalgh, PhD *C'nell* MScAgr

##### Tutors

Catherine A. Offord, BScAgr (part-time)  
Wendy L. Symonds, BScAgr (part-time)

#### Honorary Appointment

##### Honorary Associate

J.P. Kerr, MAgrSc *Massey* PhD *Wis.*

## Animal Husbandry

*The full list of staff in this department, which is also in the Faculty of Veterinary Science, appears under Veterinary Science.*

## Microbiology

##### Professor

Peter Richard Reeves, BSc PhD *Lond.*  
Appointed 1985

##### Senior Lecturer and Linnean Macleay Lecturer

K. Yip Cho, BSc *N.S.W.* PhD *A.N.U.*

#### **Senior Lecturers**

Trevor Duxbury, BSc PhD *Liv.*  
Thomas Ferenci, BSc *Lond.* PhD *Leic.*  
Peter B. New, BAgrSc *Tas.* PhD *Adel.*

#### **Lecturers**

Ilze Dalins, MSc  
Joan H. Dorman, BSc *Adel.* (part time)

#### **Tutors**

Diane M. Hunt, BSc  
Doris J. Maris, BSc (part-time)  
Prudence M. Peppard, BSc *Melb.* (part-time)

#### **Honorary Appointment**

*Research Affiliate*  
W.G. Murrell, PhD *Oxf.* DScAgr, FAIFST

### **Plant Pathology and Agricultural Entomology**

#### **Plant Pathology**

*Professor*  
Brian James Deverall, BSc *Edin.* PhD DIC *Lond.*  
Appointed 1972

#### **Senior Lecturers**

John W. Bowyer, BAgrSc PhD *Qld*  
Lester W. Burgess, BScAgr PhD DipEd

#### **Agricultural Entomology**

*Associate Professor*  
Frederick J. D. McDonald, MSc *Tas.* PhD *Alta*

#### **Senior Lecturer**

Harley A. Rose, BAgrSc *Qld* PhD *C'neil*

### **Soil Science**

*Professor*  
Neville Collis-George, MSc *Manc.* PhD *Camb.*,  
FRSChem  
Appointed 1962

#### **Senior Lecturers**

Brian G. Davey, PhD *Aberd.* BScAgr  
Harold R. Geering, MS *C'neil*

#### **Lecturer**

Anthony J. Koppi, BSc PhD *Aberd.*

#### **Honorary Appointment**

*Research Affiliate*  
N.A. Gibson, MSc PhD, MRSC ARACI

### **NON DEPARTMENTAL**

#### **Agricultural Extension**

John P. Brien, BAgrSc *Melb.* MS *Wis.* PhD *Macq.*,  
MAIAS

### **OTHER UNITS**

#### **Plant Breeding Institute**

*Director and Professor of Plant Breeding*  
Barrie Dale Hingston Latter, PhD *Edin.* BScAgr

#### **At Sydney**

Norman L. Darvey, PhD *N.S.W.* BSc  
Kenneth S. McWhirter, PhD *Wis.* BScAgr

#### **At Narrabri**

*Director, I.A. Watson Wheat Research Centre*  
Donald R. Marshall, PhD *Calif.* BScAgr

#### **Senior Plant Breeders**

Gayatri M. Bhatt, BSc *Bom.* MS PhD *Wis.*, FAIAS  
Frank W. H. Ellison, MScAgr PhD

#### **Senior Cereal Biochemist**

Daryl J. Mares, BSc PhD *Melb.*

#### **Professional Officer Grade III**

Stephen G. Moore, BSc *N.E.*

#### **At Castle Hill**

*Director of Rust Research*  
Robert A. McIntosh, MScAgr PhD

#### **Senior Research Fellow**

Thien T. The, MScAgr PhD

#### **Professional Officer Grade IV**

John D. Oates, BScAgr

### **University Farms**

*Director (Camden)*  
Elizabeth A. Kernohan, MScAgr PhD

### **FACULTY OF ARCHITECTURE**

#### **DEPARTMENTS**

##### **Architectural Science**

#### **Professor**

John Steven Gero, BE *N.S.W.* MBdgSc PhD, FRSA  
FIEAust MASCE MIASS  
Appointed 1985

#### **Associate Professors**

Warren G. Julian, BSc BE MSc(Arch) DipBdgSc  
PhD, FIEAust  
Peter R. Smith, MArch PhD, FRAIA

#### **Senior Lecturers**

Bruce S. A. Forwood, BArch  
Fergus R. Fricke, BE *Melb.* PhD *Monash* DipME  
*Swinburne Tech. Coll.*, MAAS  
Antony D. Radford, BA(ArchStud) BArch *N'cle*  
(*U.K.*) DipTP *Edin. Coll. Art* PhD, ARAIA  
RIBA

#### **Lecturers**

A. Peter Fawcett, MSc *Manc.*, MIStructE

#### **Senior Tutors**

David Cornell, BArch  
Simon N. Hayman, BArch DipIllumDes  
Garry G. Stevens, BSc(Arch)DipArchComp

#### **Visiting Lecturers**

J. A. Ballinger, BArch *Adel.*  
Peter A. Baxter, ARMIT  
Paul C. Bondin  
Richard de Dear, BSc PhD *Qld*  
Allan P. Disney, ASTC *S.T.C.*  
A. J. Fisher, BSc *Lond.* PhD *N.S.W.*  
E. L. Harkness, BArch MBdgSc PhD  
Ivor Jones, BE  
R. W. Jones, BSc DipEd *Melb.* PhD *Cant.*

#### **TEACHING STAFF:**

AGRICULTURE  
ARCHITECTURE

K. Kuhn, BE  
J. Lansdown, DipArch *Wales*, FRIBA  
B. P. Lim, BArch PhD  
Peter S. McLean, BE MBdgSc  
John R. Mitchell, BArch *Adel.* DipArchComp  
W. Mitchell, BArch *Melb.* MArch *Yale*  
J. Nutt, BE PhD  
Jonathon B. O'Brien, BE *N.S.W.* MS *Tor.*  
Stephen Pupilli, BE *N.S.W.*  
Harry Seidler, MArch  
W. Allen Smith  
Victor J. Summersby, BEc  
Geoffrey C. Thompson, BE MICHemE  
J. Tomlinson, BE  
George Vasilareas, MEngSc *N.S.W.* BE(Civ) Dip-  
Tech *N.S.W.I.T.*, MIEAust.  
Jack Whittemore, BSc *Lond.*

#### *Part-time Tutors*

M. Balachandran, BSc *Sri Lanka* MBdgSc  
R. D. Coyne, BArch *Melb.*  
Richard Humphrey  
Andrew Madry, BSc  
C. A. McKenzie, BSc  
R. P. Melchert, BSc(Arch) BArch  
Zoltan G. Nemes-Nemeth, BSc(Arch)  
Athena Paspalas, BArch  
Stephen Peter, BArch DipArchComp  
Michael Rosenman, BArch MBdgSc PhD  
K. W. Tham, BE *Sing.*  
K. B. Yoon, BA *Korea* MA *Arizona*

#### *Research Fellows (Computer Applications Research Unit)*

\*Michael A. Rosenman, BArch MBdgSc PhD  
\*Andrzej Sambura, DiplCEng MS *Silesia*

## **Architecture**

### *Professor, Head of the School of Undergraduate Studies in Architecture*

Richard Norman Johnson, AO, BArch,  
Hon.FRAIC FRIBA LFRAIA  
Appointed 1967

#### *Professor*

Geoffrey Philip Webber, MS(Arch) *Col.* BArch  
MTCP, FRAIA MRAPI ARIBA  
Appointed 1979

#### *Associate Professors*

Roger M. Pegrum, BA *A.N.U.* BArch MTCP,  
FRAIA MRAPI (on secondment to the  
Department of Housing and Construction)  
Jennifer E. Taylor, MArch *Wash.*, ARAIA  
Ross H. Thorne, MArch, FRAIA MAAS

#### *Senior Lecturers*

Keith Billings, DipArch *Oxf.* MSArch *Col.* PhD,  
MRAIC  
Allan D. Correy, MLArch *Ill.* MEnvStud *Macq.*  
DipLD *Durh.*, ALI  
Graham E. Holland, BArch *N.S.W.* PhD, ARAIA  
Colin L. James, MArch *Harv.* AASTC *S.T.C.*  
DipTCP, MRAPI ARAIA  
Swetic Korzeniewski, MArch *Penn.* BArch  
A. Terrance Purcell, PhD *Macq.* BA  
Anna Rubbo, BArch *Melb.* DArch *Mich.*

Adrian B. Snodgrass, MSc(Arch) PhD  
Howard N. Tanner, BArch, ARIBA ARAIA

#### *Lecturers*

Trevor Howells, DipConsStud *York* BArch  
Richard J. Lamb, BSc PhD *N.E.*, MBiol, CBiol  
Tone Wheeler, BArch

#### *Part-time Lecturers*

Peter G. Armstrong, ME *Waseda* BArch, ARAIA  
Neil Barnwell, BCom *N.S.W.* MBA *N.S.W.I.T.*  
John Dorter, BA LLB, FCI Arb(U.K.) FI ArbA AASA  
Max Granger, DipID *N.S.W.* BArch  
Hugo Hinsley, MA *Cantab* DipArch  
Frank B. King, LLD DPolSc *Bud.* LLM  
Paul H. Knox, BLArch  
Gary S. Kurzer, BSc(Arch) *N'cle(N.S.W.)* BArch  
Peter W. MacCallum, BArch, LFRAIA FI ArbA  
ARIBA

James F. Mooney, MBuild *N.S.W.* ASTC *S.T.C.*,  
FAIQS FI ArtA  
Serge Mukhi, BE MBA PhD *N.S.W.*  
Robert Oxman, BA MArch *Harv.* DSc *Technion*  
Hal Pratt, DipArch *N.S.W.*  
Lloyd F. Rees, AC CMG, Hon.DLitt, Hon.FRAIA  
(*History of Sculpture and Painting*)  
Richard Wydell, HNCBldg *Watford I.T.*

#### *Visiting Lecturers*

Helen B. Armstrong, BSc  
Brian A. Bowen  
James Broadbent, BArch  
Barbara Buchanan, BLArch *N.S.W.*  
Bruce E. Davies, AIArB AFAIM  
Richard E. Dowling, PhD *Lond.* BA  
John Elder  
Donald J. Ellsmore, BArch *N'cle(N.S.W.)* DipLG  
*Bordeaux*  
Hilary Hewitt, BArch  
Robert Irving, MArch, FRAIA FRAHS  
Thomas B. James, MA PhD *St.And.*  
James S. Kerr, DPhil DipConsStud *York*  
Clive Lucas, OBE, BArch, FRAIA  
Glenn Murcutt ASTC(Arch) *S.T.C.*, ARAIA  
Hamish McLennan, MSc(Building)  
Dennis J.T. McManus, BA DipTCP MBEnv *N.S.W.*  
James Mitchell, DipLD *N.S.W.* DipHort  
*Royal Bot.Garden*, AAILA ARAIPR  
Val Plumwood, MA *N.E.*  
John C. Rae, DipArch DipTP, RIBA AMRTPI  
Damien Randle  
Stan Sharkey  
Karel V. Slavicek, DipLBdg *Prague* BSc(Arch)  
MBEnv *N.S.W.*  
Fritz Stuber, MArch (UrbDes) *Harv.*  
Richard L. White, DipTeach CertIntDes  
CertPaint&Decor RestorCert

#### *Part-time Tutors*

Peter Agius, BSc(Arch)  
Susan Barnsley, BLArch *C.C.A.E.*  
Lawrence Beck  
Paul Berkemeier, MArch *Harv.* BArch  
Michael A. Biddulph, BSc(Arch)  
Clive Buhrich, BArch *N.S.W.*  
Joanne Campbell-Atkins, BSc(Arch)  
Paul C. Connor, BArch  
Dale H. Crisford, BSc(Arch)  
Allan R. Crocker, BArch *N.S.W.*  
Fiona De Viries Robbe, BLArch *N.S.W.*  
Ruth Downes, DipIntDes, ASTC *S.T.C.*  
Neil Durbach, BArch *Cape T.*  
Susan Freeman, BArch  
Beverly Garlick, BArch *Melb.*

\*Positions in the Computer Applications Research Unit  
funded from external sources.

Patricia J. Gosling, BArch  
 Lionel Glendenning, MArch *Harv. DipEnvStud Macq.*  
 Peter Hamilton  
 Julieanne M. Hansen  
 Carol L. Hardwick, MArch *Melb.*  
 Ruth E. Hely, BArch  
 Shelley Indyk, BArch  
 Kevin Jackson, BArch *N.S.W.*  
 John James, BArch *Melb. MBdgSc*  
 Henry Kurzer, ASTC(Arch) *S.T.C. MArch N.S.W., FRAIA*  
 Catherine J. Lassen, BSc(Arch)  
 Diana M. Lawson, BSc(Arch)  
 Robyn A. Lawson, BA *Macq.*  
 Wendy Lewin, BArch  
 Harry Levine, BComm *Cape T. BArch, CTA*  
 Helen Lochhead, BArch  
 Ian J. Martin, BSc(Arch)  
 Christopher J. Matthews, BArch  
 Francesca J. Morrison, BArch *N.S.W. MUrbStud Macq.*  
 Peter J. Murray, BArch *N.S.W. DipEnvStud Macq. MTCP*  
 Keith W. Muir, BNatRes *N.E.*  
 Zoltan G. Nemes-Nemeth, BSc(Arch)  
 Patrick J. O'Carrigan, MArch *Penn. BArch*  
 Shane V. Patrick, BSW *N.S.W.*  
 Caroline A. Pidcock, BSc  
 Alex Popov, BA MArch *RoyalAcad.Denmark BArch N.S.W., ARAIA*  
 Helmut Rhode  
 John W. Roberts, BArch  
 Trevor Roberts  
 Susan K. Richards, BSc  
 Bruce Rickard, MLA *Penn.*  
 Ridley Smith, BArch  
 Garry F. Stanley, BArch *Melb.*  
 Phillip Thalys, BArch  
 Peter Tonkin, BArch  
 Malcolm D. Utley, BSc(Arch)  
 Joanna M. Van Exter, BArch *N.S.W.*  
 Stephen Varady, BArch *N.S.W.*  
 Selena A.C. Webber, BSc(Arch)  
 Janet E.M. Whitehead, BA *W'gong*  
 Peter Willet, BArch  
 Peter Winder

*Research Fellow (Ian Buchan Fell Research Centre)*  
 Margaret Munro-Clark, PhD *Macq. BA*

*Co-ordinator for Continuing Education*  
 Ann Heydon, BA *Macq.*

#### **Honorary Appointment** *Emeritus Professor*

H. J. Cowan, AO, MSc *Manc. DEng PhD Sheff.*  
 Hon.MArch, FRSA FASCE FISTructe FIEAust  
 Hon.FRAIA

### **Town and Country Planning**

*Professor*  
 Serge Domicelj, LicArchit *Buenos Aires DipCD Edin., MRAPI*  
 Appointed 1975

#### *Associate Professors*

Patricia F. Apps, BArch *N.S.W. MEd Yale PhD Camb., ARAIA* (on secondment to the Centre for Economic Policy Research at A.N.U.)

John G. Toon, DipArch *Leic., FRAPI MTRPI ARIBA ARAIA*  
 R. Thomas M. Whipple, PhD *DipTCP, FAIV*  
 Chung-Tong Wu, BArch PhD *Calif. MS Col.*

#### *Senior Lecturers*

James R. Conner, PhD *Edin. MArch DipTCP, FRAPI*  
 John P. Lea, MA *Camb. PhD Witw. DipTP Cent. Lond. Poly., MRTPI*  
 Gregory C. Mills, BA *N.E. MSc(Econ) Lond. DipTP Edin.*  
 Elizabeth J. Savage, MSc(Econ) *Lond. BSc(Arch)*  
 (on secondment to the Graduate School of Management and Public Policy)

#### *Lecturers*

David Gentle, BSc *N.S.W. DipEd Mitchell C.A.E.*  
 Martin J. Payne, MS *Colorado State*  
 Peter Phibbs, BA MSc PhD *N.S.W.*

#### *Visiting Lecturer*

Christopher Drury, LLB

### **OTHER UNITS**

#### **Sydney University Art Workshop**

##### *Director*

Martin Munz, LLB *Melb. DipAD Prahan C.A.E.*  
*(Photography)*

##### *Co-ordinating Tutors*

Pam Debenham, BA *Syd.Coll.Arts DipVisDes East Syd Tech. Coll. (Screenprinting)*  
 Susan Ostling, BA Higher DipStudioPottery  
*Harrow School of Art (Ceramics)*  
 Michael Snelling *(Photography)*

##### *Tutors*

Alan Crawford, BSc *N.S.W. (Foundry Sculpture)*  
 Sandy Edwards, BA *(Photography)*  
 Fiona Gunn, BA GradDipVisArts *Syd.Coll.Arts (Sculpture)*  
 Michael Keighery, BA *Syd.Coll.Arts (Ceramics)*  
 Frank Littler, DipPaint *Nat.Art School (Painting)*  
 Seraphina Martin *(Etching/Printmaking)*  
 Marie McMahon, DipPaint *Nat. Art School (Screenprinting)*  
 Margaret Morgan, BA *Alex.Mackie C.A.E. DipEd Syd.Teachers Coll. (Sculpture)*  
 Nick Power *(Video)*  
 Ari Purhonen, BSc(Arch) *N.S.W. (Sculpture)*  
 Roderick Shaw *(Introduction to Painting and Drawing)*  
 Ruth Waller, DipArt *Alex.Mackie C.A.E. (Introduction to Graphic Design)*  
 Toni Warburton, DipArt Ed *Alex.Mackie C.A.E. & Nat.Art School*  
 Geoff Weary, DipArt *City Art Inst. (Super-8-Film)*

TEACHING STAFF:  
 ARCHITECTURE  
 ARTS

### **FACULTY OF ARTS**

#### **DEPARTMENTS OR SCHOOLS**

##### **Anthropology**

##### *Professor*

Richard Vernon Stafford Wright, MA *Camb., FRAI*  
 Appointed 1982

**Readers**

Lester R. Hiatt, PhD *A.N.U.* BA BDS, FASSA  
J. Peter White, BA *Melb.* MA *Camb.* PhD *A.N.U.*  
FAHA

**Associate Professors**

R. Paul Alexander, MA *Otago* PhD *A.N.U.*  
Michael R. Allen, BA *Dub.* PhD *A.N.U.*, FASSA  
Diane J. Austin, MA *A.N.U.* & *Chic.* PhD *Chic.*  
Marie de Lepervanche, BA PhD  
William H. Newell, MA *N.Z.* PhD *Manc.*

**Senior Lecturers**

Richard D. Basham, BA *George Washington* MA PhD  
*Calif.*

Jeremy R. Beckett, BA *Lond.* MA PhD *A.N.U.*  
John K. Clegg, MA *Camb.* & *Syd.* CertEd *Camb.*  
Daryl K. Feil, BA *Calif.* PhD *A.N.U.*  
Roland J. Fletcher, MA PhD *Camb.*  
Peter D. Hinton, MA PhD  
Allan L. Rumsey, MA PhD *Chic.*  
F. Roger Sandall, BA *Auck.* MA *Col.*  
Michael J. Walker, BM BCh MA DPhil DipPrehist-  
Arch *Oxf.*  
David S. Walsh, MA *Auck.* PhD

**Lecturer**

Vivienne Kondos, BA *W.Aust.* PhD

**Honorary Appointments****Emeritus Professors**

W.R. Geddes, MA *N.Z.* PhD *Lond.*, FASSA  
Peter Lawrence, MA PhD *Camb.* MA(Hons), FASSA

**Archaeology**

*Arthur and Renee George Professor of Classical  
Archaeology and Curator of the Nicholson Museum*  
Alexander Cambitoglou, BA *Salonika* MA *Manc.*  
PhD *Lond.* DPhil *Oxf.*, FAthensArchaeolS FAHA  
FSA Corr.MDAI Corr.MAthensAcad  
Appointed 1963

**Edwin Cuthbert Hall Professor in Middle Eastern  
Archaeology**

John Basil Hennessy, DPhil *Oxf.* BA, FAHA FSA  
Appointed 1973

**Associate Professor**

J. Richard Green, BA PhD *Lond.*, FAHA FSA

**Senior Lecturers**

Judy M. Birmingham, MA *St.And.* & *Lond.*  
Jean-Paul Descoedres, PhD *Basle*

**Honorary Appointments****Emeritus Professor**

A.D. Trendall, CMG KCSG, MA LittD *Camb.* & *N.Z.*  
Hon.LittD *Melb.* Hon.DLitt *Adel.* & *Syd.*, FSA FBA  
FAHA

**Honorary Associate**

M. Price, MA PhD *Camb.*

**Research Affiliate**

J. S. Kerr, DipConStud DPhil *York (U.K.)*

**English****Challis Professor of English Literature**

Gerald Alfred Wilkes, DPhil *Oxf.* MA DipEd, FAHA  
Appointed 1962

**McCaughey Professor of Early English Literature and  
Language**

Harold Leslie Rogers, MA *Oxf.*  
Appointed 1966

**Professor of Australian Literature**

Dame Leonie Judith Kramer, DBE, BA *Melb.* DPhil  
*Oxf.* Hon.DLitt *Tas.* Hon.LLD *Melb.* & *A.N.U.*,  
FAHA FACE  
Appointed 1968

**Readers**

David A. Lawton, MA *Oxf.* DPhil *York(U.K.)*  
Vivian B. Smith, MA *Tas.* PhD  
R. Michael Wilding, MA *Oxf.*

**Associate Professors**

Margaret Clunies-Ross, BA *Adel.* MA BLitt *Oxf.*  
Robert D. Eagleson, PhD *Lond.* MA DipEd  
Jennifer M. Gribble, MA *Melb.* BPhil *Oxf.*  
John S. Gunn, MA  
Margaret A. Harris, PhD *Lond.* MA  
Brian F. Kiernan, MA DipEd *Melb.*  
Stephen T. Knight, MA *Oxf.* PhD  
G. L. Little, BA *Keele* MA *Melb.*  
William M. Maidment, BA  
Andrew P. Riemer, PhD *Lond.* BA  
James G. Tulip, BA *Qld* PhD *Chic.*  
Elizabeth Webby, MA PhD

**Senior Lecturers**

Donald Anderson, BA PhD  
Judith Barbour, MA PhD  
Geraldine R. Barnes, PhD *Lond.* BA  
Christopher F. Bentley, BA *Brist.* PhD *Nott.*  
Penelope Gay, BA *Melb.* PhD *Lond.* MA  
Robert L. P. Jackson, MA *Auck.* PhD *Camb.*  
Alex I. Jones, BA LLB  
Pamela M. N. Law, MA *Camb.* DipEd *N.E.* BA  
Anthony P. Miller, BA *W.Aust.* MA *Camb.* PhD  
*Harv.*  
Adrian C. W. Mitchell, BA *Adel.* MA PhD *Qu.*  
Michael W. B. Orange, BA *Camb.* MA PhD  
*N'cle(N.S.W.)*  
Simon S. Petch, MA *Oxf.* PhD *Prin.*  
Catherine A. Runcie, BA *W.Ont.* MA PhD *Lond.*  
E. Peter Shrubbs, MA *Stan.* BA  
Diane P. Speed, PhD *Lond.* MA  
Barry Spurr, MLitt *Oxf.* BA  
Betsy S. Taylor, MA *Adel.*  
Terry R. Threadgold, MA

**Lecturers**

David Brooks, BA *Lond.* BPhil *Oxf.*  
William H. Christie, DPhil *Oxf.* BA  
Bruce R. Gardiner, PhD *Prin.* BA  
Giulia A. Giuffrè, DPhil *Oxf.* BA  
Rosemary Huisman, BA PhD  
Ivor Indyk, PhD *Lond.* BA  
Axel Kruse, BA DipEd *W. Aust.* MA *Tas.*  
John P. Roche, BA DipEd *Qld* MA *Oxf.*  
Margaret Singer, BA *Qld*  
Robert W. Williams, BA PhD

**Tutors**

Georgina H. Bitcon, MA  
Judith L. Elen, BA  
Geoffrey M. Hutchinson, BA  
Sonya R. Jensen, BA DipEd MA (half-time)  
David F. Kelly, BA *N.S.W.* MA  
Georgina Mercer, BA  
Katherine Newey, BA

Janet T. O'Connor, MA  
Judith Quinn, BA *Melb.*  
Margaret Rogerson, PhD *Leeds* MA  
John Scahill, MA *Durh.* MA DipEd *Melb.* BA  
Gary R. Simes, BA PhD (half time)  
Gavin Walker, BA *N.S.W.* (half time)  
Catherine M. Waters, MA DipEd *Macq.*  
Susan M. Yell, BA

*Administrative Officer*  
Jan O'Reilly, BA

## Power Department of Fine Arts

*Power Professor of Contemporary Art and Director  
of the Power Institute of Fine Arts*  
Virginia Margaret Spate, MA *Melb.* & *Camb.* PhD  
*Bryn Mawr, FAHA*  
Appointed 1979

*Associate Professor*  
E. Joan Kerr, BA *Qld* DPhil *York (U.K.)* MA

*Senior Lecturers*  
Robyn M. Cooper, DPhil *Sus.* MA  
Terence E. Smith, BA *Melb.* MA PhD

*Lecturers*  
Anthony J. Bradley, MA *Melb.* DipLib *N.S.W.*  
MA DipEd, ALAA  
R. Michael Carter, BA DipEd *Lond.* MA *Birm.* PhD  
*Leeds*  
Alan R. Cholodenko, JD AM *Harv.*  
Anthony H. Fry, BA *Brist.Poly.* MA PhD *Birm.*  
Mark B. Pritchard, MA DipFineArt *Lond.*  
Anne-Marie Willis, BA

*Administrative Officer*  
Myra Katz, BA

*Power Research Library of Contemporary Art  
Research Librarian*  
John H. Spencer, BA DipEd DipLib *N.S.W.*

*Power Gallery of Contemporary Art*  
*Curator*  
Bernice L. Murphy, BA *Melb.* TSTC *Sec.Teach.Coll.*  
(*Melb.*)

*Director (Acting)*  
Leon F. Paroissien, BA *Melb.* DipArt *Vic. Coll.*  
(*Prahran*) TSTC *Sec.Teach.Coll.(Melb.)* SATC  
*Melb.Teach.Coll.*

*Gallery Registrar*  
Kay Campbell, BA *Melb.* GradDipMusStud *Vic.Coll.*  
(*Rusden*)

*Gallery Promotions and Publicity*  
Joyce Parszos

*Technical Officer*  
Russell Barker, DipArt *City Art Inst.*

## French Studies

*McCaughy Professor of French*  
Ivan Peter Barko, Commandeur des Palmes  
Académiques *France* LicPhilRom *Brussels* DU  
*Stras.* FAHA  
Appointed 1975

*Associate Professors*  
Robert J. Sherrington, BA *Qld* PhD *N.E.*  
Ross H. Steele, Officier de l'Ordre National du  
Mérite *France*, DipldePhon *Paris* BA

*Senior Lecturers*  
Anne S. Bates, MA *Ohio State* BA  
Peter Hoffman, MA *Essex* BA DipEd  
Gay McAuley, BA PhD *Brist.*  
Margaret Sankey, BA PhD DipEd  
Maria Shevtsova, MèsL *Paris* BA PhD DipEd  
Donald C. Walker, DU *Paris* BA  
Maxwell J. Walkley, MA  
Robert White, DU *Paris* MA

*Lecturers*  
Gilles Berger, LenD MdesScduLang DEA *Besançon*  
Anne-Marie Diller, LèsL *Bordeaux* MS *Georgetown*  
Dr3rdCy *Paris*  
Violette M. Graber, MèsL *Paris* MA  
Judith C. Hatten, MèsL *Grenoble* MA *N.S.W.* BA

*Senior Tutors*  
Evelyn Winn, MA  
Norman Gabriel, MA *Monash* BA DipEd

*Tutors*  
Christine Béal, MèsL *Lyon Agrég. de l'U France*  
Josè Pavis, LèsL *Rouen* BA *Macalester* CAPEGS  
*France*

## Germanic Studies

*McCaughy Professor of German*  
Gero von Wilpert, PhD *N.S.W.*, FAHA  
Appointed 1982

*Associate Professor*  
John M. Clifton-Everest, BA *Durh.* PhD *Lond.*

*Senior Lecturers*  
K. Bruce Beaton, BA DipEd *Tas.* PhD *Birm.*  
Udo H. G. Borgert, BA PhD  
John E. Fletcher, MA *Lond.* DipEd *Durh.*  
Kenneth J. Moulden, BA PhD  
Michael G. Nelson, BA PhD  
Brian A. Taylor, DiplApplLing *Edin.* MA DipEd

*Lecturer*  
Manfred Pienemann, DrPhil *Wuppertal*

*Senior Tutor*  
Yvonne Holbeche, BA PhD

*Tutors*  
Kerry Dunne, MA  
Rüdiger Wasser, MA *Erlangen*  
Elmar Wolters

## Greek (Ancient Greek)

*Professor of Greek*  
William Ritchie, MA PhD *Camb.* BA, FAHA  
Appointed 1965

*Senior Lecturers*  
Alan W. James, MA PhD *Camb.*  
John A. L. Lee, PhD *Camb.* BA  
Harold A. S. Tarrant, MA *Camb.* PhD *Durh.*

*Tutor*  
Terry J. Roberts, BSc *N.S.W.* BA

TEACHING STAFF:  
ARTS

**Modern Greek**

[See under separate alphabetical listing below.]

**History***Challis Professor*

Deryck Marshall Schreuder, BA *Rhodes* DPhil *Oxf.*,  
FAHA  
Appointed 1980

*Professors*

Roy Malcolm MacLeod, AB *Harv.* PhD *Camb.*  
FRHistS  
Appointed 1982  
John Manning Ward, AO, MA LLB, FAHA FASSA  
FRAHS  
Appointed Challis Professor 1949; Professor of History  
1982; Deputy Vice-Chancellor 1979; Vice-Chancellor  
and Principal 1981.

*Reader*

Jim C. Masselos, PhD *Bom.* BA

*Associate Professors*

Kenneth J. Cable, AM, MA *Camb. & Syd.*, FRAHS  
Brian H. Fletcher, PhD *N.S.W.* MA DipEd, FRAHS  
R. Ian Jack, MA *Glas.* PhD *Lond.*, FRHistS  
Sybil M. Jack, MA BLitt *Oxf.* DipEd *N.E.*, FRHistS  
Neville K. Meaney, MA *Adel.* PhD *Duke*  
Soumyen N. Mukherjee, MA *Camb.* BA PhD *Lond.*  
Roslyn L. Pesman, PhD *Lond.* BA  
Robert K. Sinclair, MA *Camb.* BA DipEd

*Senior Lecturers*

James R. Angel, OBE, PhD *A.N.U.* MA DipEd  
Peter M. Brennan, MA *A.N.U.* PhD *Camb.* BA  
Anthony E. Cahill, MA *Oxf.* BA  
Barbara Caine, MPhil *Sus.* BA  
Iain A. Cameron, MA *Glas.* PhD *R'dg*  
Peter J. Cochrane, BA *LaT.* PhD *Adel.*  
Robert E. Dreher, BA *Colgate* MA PhD *Wis.*  
L. Bruce Fulton, MA *Manit.* PhD *Tor.*  
Grahame B. Harrison, BA  
Robert J. Hind, BA PhD TC *Lond.*, FRHistS  
Gwynne F. T. Jones, DPhil *Oxf.* MA *N.Z.*  
Alastair D. MacLachlan, BA PhD *Camb.*  
Kenneth K. Macnab, BA *N.E.* DPhil *Sus.*  
Geoffrey A. Oddie, PhD *Lond.* MA DipEd *Melb.*  
James L. O'Neil, PhD *Camb.* MA  
John H. Pryor, BA *Adel.* PhD *Tor.*  
Craig J. Reynolds, BA *Amherst* PhD *C'nell*  
Martin Stone, BA *Camb. & Syd.*  
Alison D. Wall, MA *Melb.*  
John O. Ward, BA *Melb.* MA PhD *Tor.*  
Richard Waterhouse, MA PhD *Johns H.* BA  
Noel K. Weeks, BSc *N.E.* MA PhD *Brandeis* BD ThM  
*Westminster Theol. Sem.*  
Graham J. White, DipEd *N.E.* BEc PhD  
John Yue-wo Wong, BA *H.K.* DPhil *Oxf.*, FRHistS  
Zdenko Zlatar, MA PhD *Ill.* BA *DePaul*

*Lecturers*

Carole E. Adams, MA PhD *Harv.*  
Jan Kociumbas, BA *Melb.* PhD  
B. Lynette Olson, BA *Oberlin* MSL *Pontif.Inst.Tor.* PhD  
*Tor.*

*Senior Tutor*

Leonie C. Hayne, BA *Qld* MA

*Administrative Officer*

Catherine Woods, BA

**Honorary Appointments***Visiting Professor*

Emeritus Professor B.E. Mansfield, MA

*Honorary Associates*

R.A. Bauman, BA LLB *S.A.* PhD *Witw.*, FAHA  
H.J. Radi, BA PhD *Qld* DipLib *N.S.W.*  
M.D. Stephen, MLitt *Camb.* BA

**Indonesian and Malayan Studies***Professor*

Peter John Worsley, DLitt *Ley.* BA  
Appointed 1972

*Senior Lecturers*

Rudy C. de Jongh, Drs *Utrecht*  
Michael J. van Langenberg, BA PhD

*Lecturers*

Badu Simandjuntak, MA *Pacific Union Coll. (Calif.)*  
DPhil *Oxf.*  
John A. Day, BA *Harv.* MA PhD *C'nell*  
Boy Joseph, Drs DipELTP *Airlangga* MA DipTEFL  
George Quinn, BA *Gajah Mada* MA *Well.* PhD  
Jon Sumaryono, BED *Inst.Ed.Bandung* DipTEFL  
Marcus Susanto, Drs *Gajah Mada* DipEd *ME*

**Honorary Appointments***Honorary Associates*

Professor C. Kessler, PhD *Lond.* BA  
D. Miles, MA PhD

*Research Affiliate*

D. Reeve, BA PhD

**Italian***Professor*

Gino Lorenzo Rizzo, DottLett *Padova*  
Appointed 1977

*Senior Lecturers*

Camilla Bettoni, DottLett *Padova* PhD *James Cook*  
DipEngStud *Edin.*  
Timothy Fitzpatrick, BA PhD  
Nerida Newbigin, BA PhD  
Anne Reynolds, BA PhD  
Silvio Trambaiolo, DottLett *Padova*

*Lecturer*

William D. T. Kelly, BA *Wales*

*Senior Tutors*

Paola Marmini, DottLett *Bologna*  
Mariella Totaro, DottLegge *Torino*

*Tutors*

Elena Fitzpatrick, MA  
Suzanne Kiernan, BA  
Nina Rubino, DottLett *Firenze*  
Giuseppina Vicentini, MA *Georgetown* DottLett  
*Urbino*  
Nicoletta Zanardi, DottLett *Bologna*

**Latin***Professor*

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*Associate Professor (Head of Department)*

B. Dexter Hoyos, BA *W.I.* MA *McM.* DPhil *Oxf.*



### Senior Lecturers

Frances Muecke, BA *Melb.* BPhil *Oxf.*  
Lindsay C. Watson, MA *Glas.* MPhil *Oxf.* PhD *Tor.*  
Patricia A. Watson, PhD *Tor.* MA

### Lecturer (temporary)

Marcus J. Wilson, BA LLB *Tas.* MA *Tor.* PhD *Monash*

## Linguistics

### Professor

Michael Alexander Kirkwood Halliday, BA *Lond.*  
MA PhD *Camb.* DHC *Nancy*, FAHA  
Appointed 1975

### Senior Lecturers

Barbara M. Horvath, BA *Calif. State* MA *Mich. State*  
PhD *Georgetown*  
James R. Martin, BA *York(Can.)* MA *Tor.* PhD  
*Essex*

### Lecturers

John P. Gibbons, BA *Exe.* MA *Lanc.* CertEd *Lond.*  
PhD *R'dg*  
Diana M. Slade, BA *Adel.* MA *Lond.*  
Michael J. Walsh, PhD *A.N.U.* BA

## Modern Greek

### Sir Nicholas Laurantus Professor

Michael John Jeffreys, MA *Camb.* PhD *Lond.*  
Appointed 1983

### Senior Lecturer

Alfred L. Vincent, MA PhD *Camb.*

### Lecturers

Dimitris Dimiroulis, BA *Athens* PhD *Salonika*  
Laoura Gallou, BA *N.S.W.* MA *Salonika* DipEd  
Leo Papademetre, BA *Northeastern* MA PhD *Brown*

### Tutors

Patricia Kokori, MA *Salonika* DipEd *Syd.Teach.Coll.*  
Sheila Morris, BA *Macq.*  
Erasmia Papageorge, DipEd *Syd.Teach.Coll.* MA

### Honorary Appointment

#### Research Affiliate

E.M. Jeffreys, BLitt *Oxf.* MA *Camb.*

## Music

### Professor

Peter Platt, MA BMus BLitt *Oxf.*, FGSM  
Appointed 1975

### Reader and Sydney Moss Lecturer in Music

Peter J. Sculthorpe, OBE, MusBac *Melb.* Hon.DLit.  
*Tas.*

### Associate Professor

Eric Gross, MA MLitt DMus *Aberd.*, FTCL

### Senior Lecturers

Winsome J. Evans, OAM, BEM, BMus, LTCL  
Nicholas Routley, MA MusB PhD *Camb.*

### Lecturers

Graham Hardie, MMus *Melb.* PhD *C'nell*, LRAM  
Allan Marett, BA *Well.* MA *Lond.* PhD *Camb.*  
Drid Williams, DipSocAnth BLitt DPhil *Oxf.* MLS  
*Indiana*

### ARGS Chief Investigator and Research Fellow

Richard Charteris, BA *Well.* MA PhD *Cantab.*, ATCL

### Honorary Appointment

#### Honorary Associate

S. Wild, MA *W.Aust.* PhD *Indiana*

## Oriental Studies

### Professor

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### Senior Lecturers

Hugh D. B. Clarke, BA PhD  
Raymond S. W. Hsu, BA *Nanking* MA PhD *Camb.*  
Toshihiko Kobayashi, LLB BA *Tokyo*  
Mabel Lee, BA PhD  
Sakuko Matsui, BA *Konan* PhD  
Leith D. Morton, BA PhD  
Anthony J. Prince, BA PhD  
Agnieszka D. Syrokomla-Stefanowska, BA PhD

### Lecturers

Lance D.H. Eccles, BA PhD (temporary)  
Hiroko Kobayashi, BA *Saitama* MA PhD  
Kazumi Nakajima, MA *Doshisha* (temporary)

### Honorary Appointment

#### Honorary Associate

W.P. Liu, BA *Amoy* PhD

## Philosophy

### Challis Professor of Philosophy

David Malet Armstrong, BPhil *Oxf.* PhD *Melb.* BA,  
FAHA  
Appointed 1964

### Professor

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### Readers

György Markus, DipPhil *Moscow* CandSciPhil  
*Hungarian Acad.Sci.*  
Wallis A. Suchting, BA *Qld* MA PhD *Melb.* DipEd

### Associate Professors

John B. Burnheim, MA *N.U.I.* DPhil *Louvain*  
Keith K. Campbell, MA *N.Z.* BPhil *Oxf.*, FAHA  
Michael J. Devitt, MA PhD *Harv.* BA, FAHA  
David C. Stove, BA, FAHA

### Senior Lecturers

John Bacon, BA *Wabash* MA PhD *Yale*  
Allan F. Chalmers, BSc *Brist.* MSc *Manc.* PhD *Lond.*  
Paul J. Crittenden, DD *Catholic Inst.Syd.* BLitt *Oxf.*  
Stephen W. Gaukroger, BA *Lond.* MA PhD *Camb.*  
Michael McDermott, BA PhD  
Lloyd Reinhardt, BA *Calif.*  
Francis E. Snare, BA *Kalamazoo* PhD *Mich.*

### TEACHING STAFF:

ARTS

**Lecturers**

Jean Curthoys, BA  
 Elizabeth Grosz, BA PhD  
 John S. Mills, BA BE *Adel.* PhD *A.N.U.*  
 Emanuel Roxon, BA  
 Denise Russell, BA PhD

**Honorary Appointment****Research Affiliate**

J. Rybak

**Religious Studies****Professor**

Eric J. Sharpe, MA *Manc.* Teold *Uppsala*, FAHA  
 Appointed 1977

**Associate Professor**

Garry W. Trompf, BA DipEd *Melb.* MA *Monash & Oxf.* PhD *A.N.U.*

**Senior Lecturers**

William J. Jobling, MA PhD  
 Arvind Sharma, BA *Alld.* MA *Syr.* MTS PhD *Harv.*

**Visiting Senior Lecturer from Architecture**

Adrian B. Snodgrass, MSc PhD

**Temporary Lecturer**

Philip Esler, DPhil *Oxf.* BA LLB

**Semitic Studies****Professor**

Rifaat Yassa Ebied, BA *Ain Shams*, FRAsiaticS FAHA  
 Appointed 1979

**Associate Professor (Head of Department)**

Alan D. Crown, MA *Leeds* PhD

**Senior Lecturers**

Michael G. Carter, MA DPhil *Oxf.*  
 Ahmad M. H. Shboul, LèS *L. Damascus* PhD *Lond.*,  
 FRAsiaticS

**Lecturers**

Samar Attar, LèS *L. Damascus* MA *Dal.* PhD *N.Y.*  
 Ilana Beer, BA *Jerusalem* MA *Tel Aviv*  
 Norman Marsden, MLitt DPhil *Oxf.*  
 Brian A. Parker, BA *Lond.* MA *Melb.*

**Social Work****Professor**

Stuart John Rees, BA DipSocStud CertSocCasework  
*S'ton* PhD *Aberd.*  
 Appointed 1978

**Associate Professors**

Bettina Cass, BA PhD *N.S.W.* (on secondment to the  
 Department of Social Security)  
 Michael D. Horsburgh, MSW *N.S.W.* BA DipSocWk

**Senior Lecturers**

Alan G. Davis, BA *Sheff.* MSocSoc *N.S.W.*  
 Alec Pemberton, BSocSt. MA *Qld*  
 Judith L. Petruchenia, BSW *N.S.W.* MA *Macq.*

**Lecturers**

Steve Bottomley, BA LLB *Macq.* (lecturer in law, part  
 time)

Deborah Brennan, MA *Macq.* BA

John S. Freeland, BEcon BEEd DipEd *Qld*  
 Janet E. G. George, BA *N.E.* MPhil *H.K.*, MPS  
 John Hart, MA *Brad.* DiplSocAdmin *Lond.*  
 Helen A. Kiel, BA DipSocStud *Melb.* MSW *Monash*  
 Helen M. Marchant, BSocSt *Qld* MA *C'dia*  
 M. Lindsey Napier, MA *Aberd* DipSocStud *Edin.*  
 DipMH *Lond.*  
 Cherie O. Sutherland, BA *N.S.W.*  
 Robert M. van Krieken, BA PhD *N.S.W.*

**Senior Tutor**

Shane H. O'Higgins, BA BSocSt *Qld* DipEd *Syd.*  
*Teachers Coll.*

**Tutors**

Zita I. Mullaly, BSocStud (half-time)  
 Kathryn Wood, BSocStud (half-time)

**Research Assistant**

Annette Y. Hay, BA

**OTHER UNITS****Museum Studies****Senior Lecturer**

John C. Hodge, BSc BEd *Qld* ThA *Aust. Coll. Theol.*,  
 AMAA

**OTHER TEACHING STAFF****Lecturer**

Adeen C. Cremin, MA *N.U.I.* PhD (located in History)

**FACULTY OF DENTISTRY****DEPARTMENTS****Operative Dentistry****Professor of Restorative Dentistry**

Wyatt Roderic Hume, BScDent BDS PhD *Adel.*  
 Appointed 1987

**Associate Professors**

Michael C. Kafalias, MSD *Indiana* MDS, FRACDS  
 George Wing, MDS DDS, FACD FRACDS FICD

**Senior Lecturers**

Roland W. Bryant, MDS PhD, FRACDS  
 George H. Hewitt, MDS, FDSRCS FRACDS  
 Alexander J. Moule, BDS PhD *Qld*

**Lecturers**

F. Elizabeth Martin, MDS, FRACDS  
 Erica F. Morey, MDS (*temporary*)  
 Robyn P. Thomas, BDS MDS

**Senior Tutors (part time)**

Edmund J. Barton, BDS DMD *Alabama*, FRACDS  
 Thomas W. Boland, MSc *Lond.* BDS  
 Paul C. Brogan, BDS  
 Anthony W. Bull, DDS *Northwestern* BDS,  
 FRACDS  
 Bruce B. Burns, MDS, FRACDS  
 Richard W. Chan, MDS, FRACDS  
 Lester R. Clifford, BDS  
 John M. Crawford, BDS  
 Philip C. Crocker, BDS, FRACDS  
 Michael Georgouras, BDS  
 John P. Giblin, MDS, FRACDS  
 Penelope A. Jones, BDS

Anthony P. Martin, MDS, FRACDS  
 Robert Middleton, BDS  
 Paul V. Nichols, BDS, FRACDS  
 Martin S. Pratt, BDS  
 Peter G. Rosenhain, BDS  
 Christine M. Sedgley, BDS  
 Martin D. Suthers, MSc Lond. BDS  
 David G. Sykes, BDS Lond., LDSRCS FRACDS  
 Andrew R. Taylor, BDS  
 Heather A. Tindall, BDS  
 A. Graham Walters, BDS  
 Robert A. Watson, BDS  
 Phillip G. C. Whalley, BDS

#### *Tutors*

David G.H. Cable, BDS  
 Tania Gerzina, BDS  
 E. Dell Kingsford Smith, BDS  
 Leonard Leung, BDS

#### **Honorary Appointments**

##### *Honorary Associates*

S. A. Cohn, BA Vermont DDS Col., DABE  
 J. R. Mayne, DDS Tor. BDS, LDSRCS  
 FRACDS DABE

##### *Honorary Senior Tutors (part time)*

Edward V. Bass, MDSc  
 Peter M. Duckmanton, BDS  
 Thomas Tseng, BDS

#### **At Westmead Hospital Dental Clinical School**

##### *Honorary Clinical Lecturers (part time)*

Robert J. F. Butler, BDSc Melb. DPHDent, LDS  
 Vic. FRACDS  
 A. Robert Carter, MDS, FRACDS FICD  
 Christopher J. G. Griffiths, BDS DPHDent, LDS Vic.

##### *Honorary Clinical Tutors (part time)*

Angus C. Cameron, BDS  
 Kerri-Lea Hodge, BDS  
 Ian G. Martin, BDS  
 Anthony T. McLaughlin, BDS  
 Jacqueline L. Robinson, DMD Kentucky  
 Wayne Sherson, BDS Otago

#### **Oral Surgery**

##### *McCaughy Professor of Oral Medicine and Oral Surgery*

Mark Jolly, AM, MDS DDSc, FRACDS  
 Appointed 1965

##### *Associate Professors*

Neville H. H. Smith, MDS, FRACDS  
 Geoffrey C. Stacy, DOrth R.C.S. BDS, FDSRCS  
 FRACDS

##### *Lecturers (temporary)*

Bruce W. Austin, BDSc Qld  
 Alastair R. L. Stevenson, BDS Lond., LDSRCS  
 FDSRCSed FRACDS

##### *Lecturers (part time)*

John E. DeB. Norman, MB ChB Leeds MDS,  
 FDSRCS FRACDS FRCSEd/Maxillofacial Surgery)  
 Nicholas A. Packham, MB BS BDS, FRACS (Head  
 and Neck Surgery)  
 Peter W. Shields, MDS (Anatomy)  
 Nihill H. Somers, BA N.E. MDS, FRACDS (Local  
 Anaesthetics)  
 Deirdre I. Wright, MB BS, FFARCS FFARACS  
 (General Anaesthetics)

##### *Senior Tutors (part time)*

Thomas R. Corbett, MDS, FRACDS

Geoffrey G. Cumming, MDSc  
 Evan Godfrey, BDS  
 John A. McCoy, BDS  
 Murray A. MacGee, BDS  
 Robert D. Mitchell, MDS  
 Peter G. Mouser, BDSc Qld  
 Bruce E. Peet, MDS, FRACDS  
 V. Rengaswamy, BDS Sing. MSc Lond., FDSRCPGlas  
 Desmond A. Singh, MBE, BDS  
 Graydon C. Smith, MDS, FRACDS  
 Douglas Thornton, BDS, FDSRCPGlas FFDRCSI  
 John D. Wong, BDS

#### *Tutors*

Michael A. Cooper, BSc Wirw. BDS  
 Malcolm N. B. Lyttle, BDS

#### **At Westmead Hospital Dental Clinical School**

##### *Honorary Clinical Lecturers (part time)*

Anthony P. Barrett, BDSc PhD Melb., LDS Vic.  
 Geoffrey McKellar, BDSc Qld MDSc Melb. DOS  
 R.A.C.D.S., FRACDS

##### *Honorary Clinical Tutors (part time)*

Ann Collins, BDS Lond., FRACDS LDSRCS  
 Barry E. Reed, BDS  
 Ian Wilson, MDS, FRACDS

#### **Preventive Dentistry**

##### *Professor*

Noel Desmond Martin, AM, MDS, FACP FAPHA  
 FICD FRACDS AIAOP  
 Appointed 1961

##### *Professor of Oral Biology and Director of the Institute of Dental Research, United Dental Hospital of Sydney*

Kenneth William Knox, PhD Lond. MSc  
 Appointed 1975

##### *Associate Professors*

Peter D. Barnard, MPH Mich. MDS, FICD  
 FRACDS FAPHA  
 Graham G. Craig, MDS PhD  
 Keith Godfrey, MDS

##### *Senior Lecturers*

Ives L. N. Lopes, BDS Bom. MDS, FRACDS  
 Keith Powell, MDS MDSc, FRACDS

##### *Senior Lecturer (part time)*

John Highfield, MSc Lond. DDS Tor. BDS

##### *Lecturer (temporary)*

Stephen Yeung, MDS Adel.

##### *Lecturers (part time)*

Cyril J. Cummins, MB BS DPH  
 Thomas J. Higgins, BDSc Qld MDSc Melb.  
 Neil Hunter, BDS PhD Adel.  
 Nicholas A. Jacques, BSc PhD  
 Sydney Levine, MDS, FRACDS  
 Elizabeth McMaugh, BA MSc Lond.

##### *Senior Tutors (part time)*

Colin D. Albers, BDS  
 Ernest G. Altman, MDS MHP N.S.W.  
 Anthony Ancell, BDS  
 David J. Dal Pra, MSc Lond. BDSc Qld  
 Graeme R. Dunn, MDS, FRACDS  
 Judith Fenton, BDS  
 Robert Fox, BDS Belf. DipOrtho R.C.S., FDSRCS  
 Brian L. C. Harvey, BDS  
 Michael Imer, BDS  
 Sharon Kohn, BDS

TEACHING STAFF:  
 ARTS  
 DENTISTRY

## OFFICERS

David Leafe, MSc *Lond.* BDS  
Stephen Lee, MDSc *Qld* BDS  
Harris K. Lewis, MDS, FRACDS  
Ronald J. Masson, BDS MDSc, FRACDS  
Narelle McKay, BDS  
Heather Mueller, BDS  
Paul Murdoch, BDS  
Paul Newell, BDS *Brist.*  
Peter J. Ortner, BDS  
Ian Patrick, BDSc *Qld* MDSc  
John Pritchard, MDS *Otago*  
John F. Reading, DipOrtho R.C.S. BDS, FDSRCS  
Katina Routsios, BDS  
Edward H. Ryan, DDS *Tor.* BDS  
B. Jane Spark, BDS MDSc  
Franciskus Tan, MDS  
Paul Taylor, BDS MDSc  
Robyn Thomson, BDS  
Suzanne V. Turek, MDS  
John C. Wallace, BDS  
Hilton Wasilewsky, BDS *Witw.* MSc *Roch.*  
Gregory Whyte, MDSc *Qld*

### *Tutor*

Deborah Lake, BDS

### *Tutor (half time)*

Andrew Hedberg, BDS

### **At Westmead Hospital Dental Clinical School**

#### *Honorary Clinical Lecturers (part time)*

Ron Robinson, BS *Georgetown* DMD *Kentucky*  
Richard Widmer, MDSc *Melb.*, FRACDS LDS *Vic.*  
Andrew Vern-Barnett, AM MBE, MDS DDSc,  
FRACDS FICD

### **At the United Dental Hospital**

#### *Honorary Senior Tutors (part time)*

Vera Palfreeman, BDS  
Thomas Tseng, BDS  
E. John Wilkinson, BDS

## **Prosthetic Dentistry**

### *Professor*

Iven John Klineberg, PhD *Lond.* BSc MDS,  
FRACDS FDSRCS FICD  
Appointed 1978

### *Reader*

Richard G. Earnshaw, MDSc *Qld* PhD *Manc.*

### *Associate Professor*

Barrie R. D. Gillings, RFD ED, MS *Roch.* BDS  
PhD, FRACDS

### *Senior Lecturers*

Eric M. Bevan, MDS, FICD FRACDS  
Norton A. Duckmanton, MDS, FRACDS  
Ross G. Jarvis, MDS PhD, FDSRCS FRACDS  
Sybille K. Lechner, MDS, FRACDS

### *Lecturer*

Carole A. Price, BDS

### *Visiting Lecturer*

Ian Watson, BDS PhD, FDSRCPSGlas

### *Lecturers (part time)*

Emeritus Professor Campbell Harry Graham, DDS  
*Northwestern* MDS, FADC FRACDS  
A. Gordon Rowell, AO CBE ED, DDS  
*Northwestern* MDS, FICD FADC FDSRCS  
FRACDS Hon. FADI

### *Senior Tutors (part time)*

Bruce H. Allcock, MDS, FRACDS  
Keith Baetz, BSc BDS *Witw.* MDSc  
Linda M. Bassin, BDS  
Rosemary Christie, BDS  
William Dawes, MSc *Lond.* BDS  
George A.R. Druttmann, BDS *Brist.* MS  
*Northwestern*, LDSRCS  
Stephen Elliott, BDS  
Allison Fox, BSc *Macq.*  
Robin Hawthorn, MDS  
Stuart H. Howe, BDS  
Peter Hyde, MDS, FRACDS  
Thomas F. Pyke, MA MDS, FRACDS  
David Roessler, BDS MDSc  
Shaun Sampson, BDS  
Walter K. Schneider, BDS  
David G. Sykes, BDS *Lond.*, FRACDS LDSRCS  
Graham Thomas, BDS, FRACDS  
Eva Walczak, BDS  
Terence Walton, MS *Mich.* BDS MDSc, FRACDS  
David Wheatley, MDS, FRACDS

### *Tutors*

Anthony R. Au, BDS  
Theresa M. Condon, BDS (half time)  
R. Geoffrey W. Cook, BDS (half time)  
Sam Yeung, BDS

### *Professional Officer*

Toshiko Mori, BDS PhD, FADM

### *Professional Officer (part time)*

Christopher Johnson, MAppSc *N.S.W.I.T.*

### *Honorary Clinical Lecturer (part time)*

William Winspear, MDS MHP *N.S.W.*, FRACDS  
FICD AHA(Prov.)

### *Honorary Registrar*

James Fisher, BDS

### *Honorary Clinical Tutor (part time)*

Dan Brener, BDS

### **At Westmead Hospital Dental Clinical School**

#### *Honorary Clinical Lecturer (part time)*

Brian Roberts, MDS *Otago* DRD *R.C.S.Ed.*,  
FDSRCS

### *Honorary Clinical Tutors (part time)*

Rita Barkus, BDS  
Cathy Collins, BDS  
Ian G. Martin, BDS  
John Sheedy, BDS

## **OTHER TEACHING STAFF**

### **At the United Dental Hospital**

#### *Temporary Senior Lecturer (part time)*

Bernard Lilienthal, DPhil *Oxf.* BDS BSc DDSc,  
FRACDS FICD (*Dental Radiology*)

### **At Westmead Hospital Dental Clinical School**

#### *Director of Dental Services at Westmead*

#### *Hospital and Professor of Dentistry*

Keith Simon Lester, MDS PhD DDSc, FRACDS

### *Other Teaching staff\**

Associate Professor P. D. Barnard (Preventive  
Dentistry)

Associate Professor B. R. D. Gillings (Prosthetic Dentistry)  
 G. H. Hewitt (Operative Dentistry)  
 Associate Professor G. C. Stacy (Oral Surgery)  
 \*For details of qualification see under departmental entry above in this chapter.

#### From other faculties

##### Professors

Kenneth Wollaston Cleland, MB BS (*Histology and Embryology*)

Yvonne Edna Cossart, DCP *Lond.* BSc(Med) MB BS, FRCPath (*Infectious Diseases*)

##### Reader

John R. Gibbins, MDS PhD (*Pathology*)

##### Associate Professors

Barry S. Gow, MDS PhD, FRACDS (*Physiology*)

Raymond Kearney, BSc PhD *Qld* (*Infectious Diseases*)

##### Senior Lecturers

Peter L. Davies, MDS (*Anatomy*)

Margaret A. Swan, BSc PhD (*Histology and Embryology*)

Michael A.W. Thomas, DPhil *Oxf.* BSc (*Biochemistry*)

#### OTHER STAFF

Curator, Dental Alumni Society, Museum

Sydney Levine, MDS, FRACDS

#### SCHOOL OF DIVINITY

##### SECTIONS

##### Old and New Testament

Paul W. Barnett, BD PhD *Lond.* MA

H. Ruth Dicker, BSc DipEd

Victor J. Eldridge, BD *M.C.D.* PhD *Southern Baptist Theol. Sem.* BA DipEd

Philip F. Esler, DPhil *Oxf.* BA LLB

R.P. Charles Hill, STD LSS *Rome* MA

Graham R. Hughes, MA BD *Otago* PhD *Camb.*

John A.L. Lee, PhD *Camb.* BA

Peter T. O'Brien, ThL *Aust. Coll. Theol.* BD *Lond.* PhD *Manc.*

Darryl W. Palmer, MA *Melb.* BD *Drew* ThM *Harv.*

David G. Peterson, ThSchool *Aust. Coll. Theol.* BD *Lond.* PhD *Manc.* MA

Dorothy A. Lee-Pollard, BA DipEd *N'cle (N.S.W.)* BD

Barbara E. Thiering, BD *Lond.* TheolM *M.C.D.* BA PhD DipEd

Howard N. Wallace, BE *N.S.W.* ThD *Harv.* BD

##### History and Thought of Christianity

Geoffrey L. Barnes, BA *Melb.* BD *M.C.D.* STM *Hartford Sem.*

Kenneth J. Cable, AM, MA *Camb. & Syd.*, FRAHS

Hugh C. Cairns, MA *Oxf.* BD PhD *Edin.*

Edmund Campion, MA *Camb.*

David M. Coffey, STD *Catholic Inst. Syd.*

Gordon S. Dicker, TheolM *M.C.D.* ThD *U.T.S. (N.Y.)* BA BD

Graeme R. Ferguson, BD *Otago* MA *Auck.* PhD *Camb.*

Stylianios Harkianakis, MD *Constantinople* DD *Athens* (Archbishop)

John Hill, STL *Pontif. Urb.* DPh *Rome*

Peter F. Jensen, ThL *Aust. Coll. Theol.* BD *Lond.* DPhil *Oxf.* MA

Allan W. Loy, MA PhD *Yale* BD *U.T.S. (N.Y.)* BA

Kenneth R. Manley, BA *Brist.* DPhil *Oxf.*

Crawford Miller, MA *Oxf.* BD *Edin.*

R. Geoffrey Peterson, MTheol *Chic.* DD *M.C.D.* BSc MA DipEd

Maxwell M. Thomas, ThD *G.T.S. (N.Y.)* BD MA (Bishop)

#### TEACHING STAFF:

DENTISTRY  
 DIVINITY  
 ECONOMICS

#### FACULTY OF ECONOMICS

##### DEPARTMENTS

##### Accounting

Arthur Young Professor of Accounting

Murray Charles Wells, MCom *Cant.* PhD, FASSA FASA, CPA

Appointed 1975

##### Professor

Gregory Paul Whittred, BCom *Qld* PhD *N.S.W.* MEc, ASA, CPA

Appointed 1985

##### Associate Professor

Ronald L. Bowra, LLB, FCA(Aust) (*Commercial and Industrial Law*)

##### Senior Lecturers

Roger L. Burritt, BA *Lanc.* MPhil *Oxf.*, AIB AAIB

Allen T. Craswell, BCom *Qld* PhD, AASA, CPA

Graeme W. Dean, MEc, AASA

Michael J. R. Gaffikin, BCom *Well.* MBA *Massey* DipTchg *Cant.*, AASA, CPA ACIS

Geoffrey E. Hart, BA LLB *Qld* LLM *Lond.* (*Commercial and Industrial Law*)

John Oxley-Oxland, BA LLB *Rhodes* LLM *Yale* (*Commercial and Industrial Law*)

T. Sri Ramanathan, Attorney at Law *S. Lanka* (*Commercial and Industrial Law*)

Peter W. Wolnizer, BEc *Tas.* MEc PhD AASA, CPA

##### Lecturers

Cynthia F. Coleman, DipEd *Syd.* Teachers Coll. MA LLM (*Commercial and Industrial Law*)

David J. Johnstone, BA BComm *W'gong* PhD

Stephanie Rees, LLM (*Commercial and Industrial Law*)

Stephen L. Taylor, BCom *N.S.W.* MEc *Macq.*, AASA, CPA

##### Tutors

Claudia Gormly, BEc, ACA

Kathryn McMahon, LLB *N.S.W.* BEc

Colin Spragg, BEc LLB

Anja M. Vaitinen, BBus *Northern Rivers C.A.E.* MEc *Macq.*, ACA

##### Honorary Appointments

##### *Emeritus Professor*

R. J. Chambers, AO, BEc DScEcon, FASSA FASA, CPA

##### *Research Affiliate*

C. P. Mills, BEc LLB

**Econometrics***Professor*

Alan Donald Woodland, BA PhD *N.E. (Head of Department)*  
Appointed 1982

*Senior Lecturers*

Robert B. Bartels BA PhD  
Denzil G. Fiebig, MCom *N.S.W.* PhD. *S. Calif.*  
Dilip B. Madan, BCom *Bom.* PhD(Economics)  
PhD(Mathematics) *Maryland*

*Lecturers*

John G. Goodhew, MEc  
Ernest L. Houghton, BEc PhD

**Honorary Appointment***Research Affiliate*

Janet M. Rybak, BA DipNAAC

**Economic History***Professor*

Stephen Matthew Salsbury, AB *Occidental* AM PhD *Harv.*  
Appointed 1977

*Associate Professor*

Kenneth D. Buckley, BA *Lond.*

*Senior Lecturers*

Robert Aldrich, BA *Emory* MA PhD *Brandeis*  
John H. Drabble, MA *Camb.* PhD *Lond.*  
Peter K. Hall, MSc(Econ) PhD *Lond.*  
F. Benjamin Tipton, AB *Stan.* AM PhD *Harv.*  
Garry C. Wotherspoon, BCom *N.S.W.* MEc

**Economics***Professors*

Warren Pat Hogan, MA *N.Z.* PhD *A.N.U.*  
(*Head of Department*)  
Appointed 1968

Gordon Mills, MA *Camb.*  
Appointed 1976

Peter Diderik Groenewegen, PhD *Lond* MEc,  
FASSA  
Appointed 1980

*Associate Professor and Director of 'P' Courses*

Frank J. B. Stilwell, BSc *S'ton* PhD *R'dg*

*Associate Professor*

Vivian B. Hall, MCom PhD *Auck.*

*Senior Lecturers*

Debesh Bhattacharya, MA *Calc.* PhD  
DiplAdvEconDevel *Manc.*  
Michael Blad, PhD *Warw.*  
Gavan J. Butler, MAgrSc *Melb.* PhD *Calif.*  
Flora Gill, BA *Jerusalem* PhD *Stan.*  
Louis Haddad, BEc  
Joseph Halevi, DottFil *Rome*  
Evan Jones, BCom *Melb.* MA PhD *Mich.*  
Solkew Kim, BEc *Kookmin* MEc *Seoul* MPIA *Pitt.*  
PhD  
Anthony J. Phipps, BSc(Econ) MSc *Lond.* PhD  
*Strath.*  
John R. Piggott, BA *N.S.W.* MSc(Econ) PhD *Lond.*  
Margaret E. D. Power, MEc  
Peter G. Saunders, BSc (Social Sciences)  
DipEcon&Econometrics *S'ton* PhD

Judith N. Yates, BEc *A.N.U.* DrEcSc *Amst.*

*Lecturers*

Richard H. Bryan, MEc *Monash* DPhil *Sus.*  
Surinder Joson, MA MA(Econ) *Punj'i* PhD  
Eric Kiernan, BSc *Sus* MSc *Brist.*  
Kit-Chun Lam, BSSc *Chinese* *H.K.*  
Pak-Wai Liu, AB *Prin.* MA MA(Ed) PhD *Stan.*  
Bruce W. Ross, BA *N.S.W.*  
Russell T. Ross, MCom *Auck.* MA PhD *Duke*

*Administrative Officer*

Peter Clarke

**Government and Public Administration***Professors*

Christopher Cropper Hood, BA *York (U.K.)* BLitt  
*Glas.*  
Appointed 1986  
.....

*Readers*

Carole Pateman, MA DPhil *Oxf.*, FASSA  
Frederick C. Teiwes, BA *Amherst* PhD *Col.*

*Associate Professors*

Terence H. Irving, BA PhD  
Michael B. Leigh, BA *Melb* PhD *C'nell*  
Trevor V. Matthews, BEc PhD (*Head of Department*)  
Kenneth I. Turner, BA MEc DipEd

*Senior Lecturers*

Ernest A. Chaplès, MA *Mass.* PhD *Kentucky*  
G. Ross Curnow, PhD *C'nell* MA  
Graeme J. Gill, MA *Monash* PhD *Lond.*  
Ian Grosart, BA *Melb.*  
Michael C. Hogan, BA PhD  
Robert F. Howard, BA *N.E.* PhD *A.N.U.*  
Michael W. Jackson, BA *Nebraska* MA PhD *Alta*  
G. Peter King, BA *Melb.* PhD *A.N.U.*  
Helen G. Nelson, BA *W.Aust.* MA PhD  
Martin J. Painter, MA *Sus.* PhD *A.N.U.*  
F. John Ravenhill, BSc(Econ) *Hull* MA *Dal.* AM  
*Indiana* PhD *Calif.*  
Patricia M. Springborg, MA *Cant.* DPhil *Oxf.*  
Rodney E. Tiffen, BA PhD *Monash*

*Lecturer*

Lex Watson, BA

**Industrial Relations***Professor*

Russell Duncan Lansbury, MA DipEd *Melb.* PhD  
*Lond.*  
Appointed 1987

*Senior Lecturers*

Richard Morris, BA *Lond.* MA *Warw.* PhD *Salf.*  
Keith Whitfield, MA *Camb.* DPhil *Oxf.*

*Lecturers*

Alice Coolican, BCom *N.S.W.*  
Ron Callus, MEc  
Gregory Patmore, BEc PhD

*Research Assistant*

Kylie Nomchong, BEc

**FACULTY OF EDUCATION**  
**DEPARTMENTS OR SCHOOLS**  
**Educational Psychology and Measurement**

*Professor*

Samuel Ball, PhD *Iowa* BA MEd, FAPA  
 Appointed 1978

*Reader*

Herbert W. Marsh, BA *Indiana* MA PhD *Calif.*

*Associate Professors*

Raymond L. Debus, PhD *Ill.* BA DipEd  
 Kenneth E. Sinclair, EdM PhD *Ill.* BA

*Senior Lecturers*

Suzanne R. Butler, BEd MA *McG.* PhD *Lond.*  
 Kenneth W. Rogers, BA *Lond.* DipEd *Exe.* PhD  
 Ian D. Smith, MA PhD *Stan.* BA

**Honorary Appointment**

*Emeritus Professor*

Donald Spearitt, MA MEd *Qld* EdD *Harv.*  
 MEd(Hons), FASSA

**Social and Policy Studies in Education**

*Professor*

Clifford Turney, BA MEd PhD  
 Appointed 1976

*Associate Professors*

John F. Cleverley, BA MEd PhD  
 Raymond J.R. King, MA *Otago* DipSocSc *N.Z.* PhD

*Senior Lecturers*

William E.C. Andersen, PhD *Lond.* DipRE *M.C.D.* MA  
 MEd  
 Christine B. Inglis, MA *A.N.U.* PhD *Lond.* BA  
 Phillip W. Jones, BA PhD  
 Robert C. Petersen, BA PhD DipEd  
 Geoffrey E. Sherington, MA *N.S.W.* PhD *McMaster* BA  
 James C. Walker, BA MEd PhD  
 Francis H.K. Wong, MA PhD DipEd *Lond.*  
 Robert E. Young, BA PhD *Monash* MA *P.N.G.*

**Teaching and Curriculum Studies**

*Professor*

Clifford Turney, BA MEd PhD  
 Appointed 1976

*Senior Lecturers*

David G. Dufty, PhD *Stan.* BEc MEd DipEd  
 Alan T. Duncan, BA MEd DipEd DipAnth  
 Susan Groundwater-Smith, MA  
 Neville G. Hatton, BA *Qld* MEd  
 Dudley F.S. Hick, MA DipEd *Oxf.* MEd PhD  
 Margaret R. Killin, BSc *Texas* MA *Mich.* (*Physical Education*)  
 Yvonne A. Larsson, PhD *N.S.W.* MA  
 Kevin Laws, EdD *Georgia* MA  
 Lindsay R. McCaughan, MA *Cant.* PhD *Flor.*  
 DipPhEd *Otago*, ANZAPHER  
 Lee C. Owens, BS *Lehigh* MA *Claremont* PhD  
 David L. Smith, BA *N.E. & Macq.* PhD  
 Kenneth D. Watson, BA MEd DipEd

*Lecturers*

Roslyn Arnold, MA MEd DipEd  
 Stephen Juan, MA CPhil PhD *Calif.*  
 Rodney A. Nason, MEdSt *Qld*  
 Catherine O'Brien, BS *N.Y. State* MSc *Syr.* PhD *Ohio State*  
 Geoffrey Williams, BEd MA

*Lecturers (temporary)*

John R. Balla, BA DipEd *N.S.W.* MA *Macq.*  
 Anthony N. S. Curtayne, BSc *Oregon* MA *Iowa* MEd  
 Michael W. Horsley, BEc MEd DipEd  
 Diana Iles, BA DipEd  
 Janet Jones, BA DipEd *N.E.*  
 Kathleen M. Lane, BA  
 Paul McGillick, BA *W.Aust.* MA DipTEFL  
 Pamela M. Riley, BEd *Qld* MEd MA DipEd  
 Jan Tent, BA DipEd *Macq.*

*Senior Tutor*

June Swan, MA DipEd DipTEFL

**OTHER STAFF**

*Lecturers (part-time)*

Kate Bennett, DipTeach *Geelong Teach.Coll.*  
 Sir Hermann Black, Hon.DLitt *N'cle (N.S.W.)* MEd  
 J. Bressan, DipTeach *Alexander Mackie C.A.E.*  
 C. Byrne, MA *Calif.State* DipPEd *Sydney C.A.E.*  
 Elizabeth M. Camp, DipPhy A.P.A. BAppSc  
*Cumberland C.A.E.*  
 W. Collins, BEd  
 W. Daley, Dip PhysEd *Syd.Teach.Coll.*  
 J. Eggleton, DipMulticulturalEd *Armidale C.A.E.*  
 Ken Eltis, BA *N.E.* DipEd *N.S.W.* MA PhD *Macq.*  
 A. Greig, BEd *Tas. C.A.E.* MA *N.Y.*  
 J. Habler, DipPhysEd *Syd.Teach.Coll.*  
 Susan Harney, DipTeach *Alexander Mackie C.A.E.* BEd  
*Murd.*  
 Katherine Marsh, BMus  
 J. Miller, MSc *Oregon*  
 John Moncrieff, MPE *Br.Col.* EdD *Calif.*  
 R. Olson, BEd  
 Carole L. Peel, DipPE *Syd.Teach.Coll.*  
 D. Robertson, DipTeach *Syd.Kindergarten Teach.Coll.*  
 Louise Rowling, BA MEd DipEd *N.S.W.* MA *Macq.*  
 Margot Simpson, BEd  
 David Spurgeon, BA *Macq.* MA *N.S.W.*  
 Val Street, MSc *Oregon*, MACE  
 P. Stone, DipArt *Norwich Art Coll.*  
 G. Sullivan, PhD *Ohio State*  
 Louise Suthers, DipEd *Syd.Teach.Coll.* BMus MEd  
 P. Tremayne, MA *Calif.State*  
 Christine Woodcock

*Senior Research Assistant*

R.G. Wright BA DipEd *N.E.*

*Tutors (part-time)*

Jackie Horlock, BSc *N.S.W.*  
 Dorothy Straesser, BA

TEACHING STAFF:  
 ECONOMICS  
 EDUCATION

## FACULTY OF ENGINEERING DEPARTMENTS OR SCHOOLS

### Aeronautical Engineering

*Lawrence Hargrave Professor*

Graeme Austin Bird, BSc ME PhD, FTS FRAeS  
FIEAust AFAIAA  
Appointed 1964

*Associate Professor*

Grant P. Steven, BSc Glas. DPhil Oxf.

*Lecturers*

Douglas J. Auld, BSc BE MEngSc PhD (fixed term)  
Alan R. Fien, BSc Qld BE  
John Blackler, BE (part time)

### Chemical Engineering

*Professor*

Rudolf George Herman Prince, BE BSc N.Z. PhD,  
FICHEM FIEAust  
Appointed 1969

*ICI Australia/University of Sydney Professor of  
Process Systems Engineering*

John Douglas Perkins, MA Camb. BSc(Eng) PhD  
DipTCDHE DIC Lond., ACGI AFIMA  
Appointed 1985

*Associate Professors*

David F. Bagster, BScApp BSc BE Qld PhD Camb.,  
MICHEM  
John P. Barford, BE PhD N.S.W.  
John R. Glastonbury, BE MEngSc PhD, FICHEM  
FAIE MAustIMM  
Peter B. Linkson, BE PhD, MICHEM MAustIMM

*Senior Lecturers*

Geoffrey W. Barton, BE PhD  
Ian A. Furzer, PhD DSc(Eng) Lond., MAICHEM  
MICHEM  
Brian S. Haynes, BE PhD N.S.W.  
Kenneth C. Hughes, BSc PhD N.S.W. ASTC S.T.C.  
Barry W. Walsh, BE PhD, MICHEM  
Trevor Wood, MSc Birm. PhD, MICHEM

*Lecturer (part time)*

Paul Huggins, MSc N.S.W. ASTC S.T.C., CEng  
FICHEM MIEAust ARACI

*Professional Officer Grade IV*

Denis M. Nobbs, BE N.S.W.

*Professional Officer Grade III*

Robert Staker, BE PhD Adel.

### Honorary Appointments

*Visiting Professor*

Leung Sun Leung, BSc Lond. PhD Cantab., FICHEM  
FIFAust FAIE

*Professorial Fellow*

Edward W. Saunders, MAdmin Monash BE, FIEAust  
FAIM

*Honorary Associate*

M.L. Brisk, BE PhD, MICHEM

### Civil and Mining Engineering

*Challis Professor of Civil Engineering*

Nicholas Snowden Trahair, BSc BE MEngSc PhD  
Appointed 1979

*Professors*

Harry George Poulos, BE PhD DScEng, FIEAust  
FASCE

Appointed 1982

Bhushan Lal Karihaloo, BSc(Engg) Ranchi MTech  
I.I.T. Bombay PhD Moscow, FIEAust  
Appointed 1986

*Professor of Engineering Mechanics*

John Robert Booker, BSc PhD DEng  
Appointed 1985

*Associate Professors*

Andrew Abel, DiplIng T.U. Bud. MSc McM. PhD  
N.S.W., CEng FIM  
Peter Ansourian, BSc BE PhD, MIEAust  
Russell Q. Bridge, BE N.S.W. PhD, MASCE MICE  
MIEAust  
Gregory J. Hancock, BE BSc PhD, MIEAust  
Howard B. Harrison, BSc BE MEngSc PhD, MASCE  
MICE MIEAust  
Harold Roper, BSc PhD Witw. MEngSc, MAIMM  
Robert J. Wheen, BSc BE MEngSc, MIEAust MASCE

*Senior Lecturers*

Peter T. Brown, BSc BE MEngSc PhD, MIEAust  
John P. Carter, BE PhD, MICE MIEAust  
Donald R. Cooley, BE N.S.W. DIC Lond., MIEAust  
AMAustIMM (Mining Engineering)  
Roger J. Enright, BE PhD N.S.W. MSc West Virginia,  
FMVSSA MAIME AMAustIMM (Mining  
Engineering)  
Ali Ja'afari, BSc ME Tehr. MSc PhD Sur.  
Kenny C. S. Kwok, BE PhD Monash  
J. Michael Rotter, MA Camb. PhD, MIEAust  
John C. Small, BSc(Eng) Lond. PhD, MIEAust  
Richard D. Watkins, BE Qld PhD Aberd., MIEAust

*Consultant for Design Studies*

John G. Betty, BE, FIEAust MASCE

*Lecturers*

Logan W. Apperley, BE PhD Auck.  
Ian G. Bowie, MSc Manc., MCSCE MIEAust  
Richard Coleman, BSurv PhD N.S.W.  
Noel L. Ings, MEngSc N.S.W. BE, MASCE MIEAust  
Stuart G. Reid, ME Cant. PhD McG.

*Lecturers (part time)*

Russell G. Burdon, ME PhD N.S.W., CEng MInstF  
MAIME ASASM AMAustIMM AMIMM(Lond.)  
(Mining Engineering)  
Merrick R. Lloyd, BSc Birm., CEng FIEE FIMinE  
(Mining Engineering)

*Professional Officers Grade III*

Richard A. Duncan, ASTC  
David F. Rogers, BE MBdgSc DipNA&AC

*Professional Officers Grade II*

Nigel P. Balaam, BE PhD  
Josef Kaderavek, BE Brno

### Honorary Appointments

*Emeritus Professors*

D. Campbell-Allen, MA Camb., FICE FIEAust MRAeS  
A.E. Jenkins, BMetE MEngSc PhD Melb. ME, FIM  
FIEAust MAIMM MAIM  
J.W. Roderick, MA Camb. MSc PhD Brist. Hon.DEng  
N'cle, FISTructE FICHEM FASCE Hon.FIEAust  
FAA AFRAeS



## Electrical Engineering

### *P. N. Russell Professor*

Trevor William Cole, BE *W.Aust.* PhD *Camb.*, FIEAust  
Appointed 1980

### *Professor*

Hugo Karl Messerle, MEngSc DSc *Melb.* PhD, FTS  
FIEE FIEAust FIREE FIEEE FAIP

### *Reader*

J. Godfrey Lucas, BSc PhD *Belf.*

### *Associate Professors*

Anthony D. Stokes, BSc BE PhD, FIEAust

David G. Wong, BSc BE MEngSc PhD, MIEAust

### *Senior Lecturers*

Hugh F. Bartlett, MA *Camb.*, FIREE MIEE

Brian Campbell, ME

Ian S. Docherty, BSc, MIEAust

Victor J. Gosbell, BSc BE PhD, MIEEE MIEAust

David F. Gosden, ME MBA *N.S.W.* BE, MIEAust

Richard F. Mullaly, PhD *Camb.* MSc, FIP AAIP

Peter M. Nickolls, MB BS BSc BE PhD

Donald B. Pike, BSc ME PhD, MIEEE MIEE MIEAust  
AMIREE

Dov Rosenfeld, MS PhD *Stan.* BSc BE

Stephen W. Simpson, BSc PhD

David J. Skellern, BSc BE PhD, MIREE MIEEE

Hansen W. Yee, BSc BE PhD, MIEEE

### *Senior Research Fellow*

Branka Vucetic, BE MSc PhD *Belgrade*

### *Lecturers*

David J. Myers, MA *Camb.* MSc *Edin.*

W. Tilman Oppenländer, DiplPhys DrIng *Stuttgart*

Jeffrey L. Pages, BSc BE PhD

Zenon Pudlowski, ME PhD *Krakow*, MIEAust

James G. Rathmell, BSc BE

Jonathon B. Scott, BSc BE

### *Senior Tutor*

Kim T. Le, BE *Vietnam*

### *Tutors*

Joanne T. Tibbitts, BE *N.S.W.I.T.*

Da-Peng Tien, BSc *Heilongjiang* MSc *Ohio State*

### *Engineer in Charge, Energy Conversion Research Laboratory*

John F. Armstrong, BSc BE, MIEAust

### *Engineer in Charge, Fleurs Radio Observatory*

John D. Bunton, BSc BE PhD

### *Professional Officers Grade III*

Mark Johnson, BSc BE

Leonard Stellema

### *Professional Officer Grade II*

Michael Rados, BSc BE MEngSc

### *Professional Assistants*

Michael G. Braun, BE *Melb.* BAplSc *Q.I.T.*

Jules Corben, BSc *Exe.*

David Horne, BE *N.S.W.*

Robyn Makinson, BSc *N.S.W.*

Elizabeth Naish, BE

Victor W. Smith, BE *N.S.W.I.T.* MSc *U.M.I.S.T.*

## Honorary Appointments

### *Professorial Fellow*

J.A. Dembecki, ME *N.S.W.*, FAIM FAIPA FIEAust  
FAIE FIEE FAIP

## Mechanical Engineering

### *P. N. Russell Professor*

Roger Ian Tanner, BSc *Brist.* MS *Calif.* PhD *Manc.*,

FAA FTS FIEAust MASME MAICHe

Appointed 1975

### *Professor*

Robert William Bilger, BSc BE *N.Z.* DPhil *Oxf.*,  
FIEAust

Appointed 1976

### *Readers*

Brian Cotterell, BSc(Eng) *Lond.* PhD *Camb.*

Clive A. J. Fletcher, ACGI BSc(Eng) *Lond.* MSc

*Cran.I.T.* PhD *Calif.*, CEng MRAeS MAIAA

Le Roy F. Henderson, BCE MEngSc DEng *Melb.* PhD,  
FTS

Nhan Phan-Thien, BE PhD

### *Associate Professors*

John H. Kent, BE MEngSc PhD

Yiu-Wing Mai, BSc(Eng) PhD *H.K.*, FIEAust MASME

Bryan W. Roberts, BE *N.S.W.* PhD *Camb.*, MAIAA  
MIEAust

### *Senior Lecturers*

John D. Atkinson, PhD *Cal.Tech.* BSc BE

John L. Fullagar, MBA *Chic. & Lond.* BE, MIEAust  
AFAIM

Robert F. Halliday, BA BE, MIEAust MRINA (in  
charge of Hydrodynamics Laboratory)

Andrei Lozzi, BSc *N.S.W.* MEngSc PhD, MIEAust

### *Lecturers (part time)*

John Blackler, BE

Edward T. C. Johnstone, MA *Camb.*, CEng MIM  
MAustIMM MAWWA

Roland Schmid, DipMaschIng *Swiss Fed.Inst.Tech.*,  
MIEAust

### *Professional Officer Grade III*

Anthony J. Barratt, BE *N.S.W.I.T.*

### *Professional Officer Grade II*

John A. Gal, BE BSc MEngSc PhD

### *Professional Officer Grade I*

Jonathan P. Woolmington, BE

### *Research Fellows*

Lars R. Saetran, DEng *Trondheim*

Sten H. Starnér, BE PhD

Fredijanto Sugent, DrIng *Hamburg*

## Honorary Appointments

### *Visiting Professor*

Ian B. Lin, BSME MSIE PhD *Purdue*

### *Research Affiliates*

F.P. Dickson, PhD *Macq.*

A.R. Green, BSc PhD *Edin.*

TEACHING STAFF:  
ENGINEERING

## FACULTY OF LAW DEPARTMENTS

### Jurisprudence

#### *Challis Professor*

Alice Erh-Soon Tay, AM, PhD A.N.U.  
Appointed 1975

#### *Reader*

Lyndel V. Prott, DrJur *Tubingen* LicSpDrInternat  
*Brussels* BA LLB (*International Law and Jurisprudence*)

#### *Senior Lecturer*

K. Alex Ziegert, DPhil Mün.

#### *Lecturer*

Wojciech Sadurski, DrJur *Warsaw*

### Law

#### *Challis Professor*

Patrick Harding Lane, SJD *Harv.* BA LLB  
Appointed 1972

#### *Professors*

David John Harland, BCL *Oxf.* BA LLB  
Appointed 1981  
Robert Peter Austin, DPhil *Oxf.* BA LLM  
Appointed 1984  
Colin Stanley Phegan, LLM *Mich. & Syd.* BA  
Appointed 1984  
Warren Brent Fisse, LLB *Cant.* LLM *Adel.*  
Appointed 1985

#### *Challis Professor of International Law*

James Richard Crawford, BA LLB *Adel.* DPhil *Oxf.*  
Appointed 1986

#### *Associate Professors*

Peter J. Butt, BA LLM  
Stanley D. Hotop, BA LLM  
Greg McCarry, BA LLM  
Patrick J. O'Keefe, BA LLB *Qld* LLM A.N.U. MA  
(Business Law) C.N.A.A. PhD  
Richard J. Vann, BA LLB *Qld* BCL *Oxf.*

#### *Senior Lecturers*

John P. Ball, DipLaw *Oxf.* DiplComparLegalStud  
*Camb.* BA LLB PhD  
Bohdan Bilinsky, MA LLM  
John W. Carter, PhD *Camb.* BA LLB  
G. Leroy Certoma, DottGiur *Firenze* BA LLM  
William J. Chappenden, LLB *Camb. & Nott.*  
DiplComparLegalStud *Camb.*  
Christine M. Chinkin, LLM *Lond. & Yale*  
C. Marion Hetherington, BA LLB *Auck.* LLM *Col.*  
Christopher C. Hodgekiss, BCL *Oxf.* BA LLB  
John Mackinolty, LLM *Melb.*  
Bron A. McKillop, LLM *Harv.* BA LLB BEC  
Carolyn M. Sappideen, LLB *Melb.* LLM  
Robert T.J. Stein, LLB A.N.U. LLM *Dal.* PhD AMusA  
A.M.E.B.  
Jane P. Swanton, LLM *Lond.* BA LLB  
Alan L. Tyree, LLB *Well.* MSc *Ohio* PhD *Massey*  
John H. Wade, LLM *Br.Col.* LLB DipJur  
Paul G. Ward, BE MA (Criminology)  
Olive Wood, BA LLB DipEd

#### *Lecturers*

Margaret N. Allars, BA LLB DPhil *Oxf.*  
Ross L. Anderson, LLM *Lond.* LLB  
Hilary E. Astor, BTech(Law) PhD *Brunel*

Graeme S. Cooper, BA DipJur LLM

Jennifer David, LLB A.N.U. LLM

Robert L. Deutsch, LLM *Camb.* BEc LLB

Gordon B. Elkington, MSc PhD *Warw.* BSc LLM  
(*Director of Law Extension Committee*)

Nicola E. Franklin, BA *Natal* LLB *Natal & Camb.*  
DiplComparLegalStud *Camb.*

Jeffrey J. Goldberger, LLM *Belf.*

Jennifer G. Hill, BCL *Oxf.* BA LLB

Eilis S. Magner, BA *Ott.* BEd *Tor.* LLB A.N.U. LLM  
N.S.W.

Stephen J. Odgers, BA LLB A.N.U. LLM *Col.*

Patrick N. Parkinson, MA *Oxf.*

Shirley L. Rawson, BA LLB *Macq.*

Diane J. Skapinker, BCom LLB *Witw.*

Andrew J. Stewart, BA BCL *Oxf.*

Jennifer E. Stuckey-Clarke, BA A.N.U. LLB A.N.U. &  
*Camb.*

Stanley M.H. Yeo, LLB *Sing.* LLM *Well. & Syd.*

#### *Tutors*

Tracey L. Barnes, BA LLB

Kathleen R. Boehringer, BA *Syr.* LLB N.S.W.

Bernard J. Dunne, BA LLB *Macq.*

Zada M. Lipman, BA *Witw.* LLB *Pret.* LLM *Qld*

#### *Lecturers (part time)*

John M. Bennett MA *Macq.* BA LLM, FRAHS (*Legal History*)

Stephen L. Bishop, LLB N.S.W. BA (*Labour Law I*)

Joseph C. Campbell, BA LLB (*Challis Lecturer in Bankruptcy*)

Arthur R. Emmett, QC, BA LLM (*Roman Law*)

D. Graham Hill, LLM *Harv.* BA LLB (*State Taxes and Commonwealth Sales Tax*)

Roderick P. Meagher, QC, BA LLB (*Challis Lecturer in Equity and Challis Lecturer in Roman Law*)

Gabriel-Adelin Moens, DrJuris *Louvain* LLM *Louvain & Northwestern* PhD (*Law of the European Communities*)

James W. Nolan, BA *Qld* BLegS *Macq.* (*Labour Law II*)

Monika Schmidt, LLB (*Labour Law II*)

Peter B. Shea, BHA GradDip(Health Admin) N.S.W.

DipEnvStud *Macq.* MB BS MPH DPM DipCrim,  
FRANZCP FRACMA LHA AFAIM (*Forensic Psychiatry*)

Graeme W.J. Smith, BEc (*Labour Relations II*)

Robertson J. Wright, BA LLM *Cantab.* (*Practice and Procedure*)

#### *Part-time Lecturers*

Michael Ahrens, LLM *Harv.* LLB (*Public Company Finance*)

James K. Armitage, LLB *Qld* BA (*Public Company Finance*)

Reginald I. Barrett, BA LLM (*Securities Regulation*)

William J. Beerworth, LLM SJD *Virginia* BA LLB  
(*Securities Regulation*)

Gordon W. Fisher, LLB N.S.W. LLM (*Public Company Finance*)

John D. Heydon, MA BCL *Oxf.* BA (*Equity*)

Donald Magarey, LLM *Harv.* BA LLB (*Public Company Finance, and Securities Regulation*)

Barbara McDonald, LLM *Lond.* BA LLB (*Torts*)

Robert C. Nicholls, LLM (*Securities Regulation*)

G. F. Kim Santow, BA LLM (*Securities Regulation*)

Anthony H. Slater, BA LLM (*Public Company Finance*)

#### *Research Assistants*

Graeme B. Coss, LLB

Anne Duffield, BA LLB

David J. Mason, BEc LLB  
Vera C. Ranki, Drlur&RerPol *Eotvos Lorand, Bud.*

## OTHER UNITS

### Law Extension Committee

#### Director

Gordon B. Elkington, MSc PhD *Warw.* BSc LLM

#### Lecturer

Peter Radan, BA LLB

#### Lecturers (part-time)

R.P. Austin, DPhil *Oxf.* BA LLM  
J.L.C. Chipman, MA LLB *Melb.* DPhil *Oxf.*  
N.A. Cotman, LLB *N.S.W.* BEc LLM  
R.L. Deutsch, LLM *Camb.* BEc LLB  
J.B. Dorter, BA LLB, AASA FI Arb(Eng) FI Arb(Aust)  
D.M. Downie, LLM  
K.A. Garling, LLB  
B. Gray, BA LLM  
P.H. Greenwood, BA LLB  
S.D. Hotop, BA LLM  
W.H. Knight, LLM *Br.Col.* LLB  
P.M. Lane, BA LLB  
K.E. Lindgren, BA *N.S.W.* LLB *Lond.* MA PhD *N'cle*  
E.S. Magner, BA *Ott.* BEd *Tor.* LLB *A.N.U.* LLM *N.S.W.*  
L.G. McLennan, BA LLB *A.N.U.* LLM *Virginia*  
G.A. Moore, BA LLM  
J.C. McCorquodale, PhD *N.E.* MA LLM  
B. McDonald, LLM *Lond.* BA LLB  
J.R. McKenzie (*Barrister-at-law*)  
P.J. Norman, BA LLB *Macq.* LLM *Virginia*  
J. Oxley-Oxland, BA LLB *Rhodes* LLM *Yale*  
B. Slowgrove, BA *N.S.W.* LLB  
S.W. Spencer, BA LLB  
P.F. Sutherland, LLB *Lond.* LLM  
A.E.-S. Tay, PhD *A.N.U.*  
R.B. Vermeesch, LLM  
J.H. Wade, LLM *Br.Col.* LLB DipJur  
O. Wood, BA LLB DipEd

#### Tutors (part-time)

J.W.M. Adams, BEc (*Barrister-at-law*)  
A.G. Crawford, BA LLB  
J. David, LLB *A.N.U.* LLM  
W.G. Guild, BA LLB *N.S.W.* LLM  
E.R. Loong, BA LLB  
S.L. Rawson, BA LLB *Macq.*

### Honorary Appointments

#### Emeritus Professors

William Loutit Morison, DPhil *Oxf.* BA LLB, FASSA  
Ross Waite Parsons, BA LLB

## FACULTY OF MEDICINE

### DEPARTMENTS OR SCHOOLS

#### Anaesthetics

##### Nuffield Professor

Douglas Joseph, MB BS, FFARCS FFARCS  
Appointed 1963

##### Senior Lecturer

Michael J. Bookallil, MB BS, FFARCS FFARCS

##### Lecturers (part time)

Fook Ying Chiew, MB BS *Malaya*, FFARCS  
Bruce S. Clifton, MB BS DA, FRACP, FFARCS  
Ross B. Holland, MB BS, FFARCS  
Gregory J. Purcell, MB BS DA, FFARCS  
FFARCS  
Denise Sporr, MB BS, FFARCS

#### Lidcombe Hospital

##### Clinical Lecturers in Anaesthetics (part time)

G. Branch, BSc MB BS, FFARCS  
P. Burt, MB BS, FFARCS  
L. Miller, DA *Lond.* MB BS, FFARCS  
S. M. Taylor, MB BS, FFARCS

#### Repatriation General Hospital, Concord

##### Clinical Lecturers in Anaesthetics (part time)

M. W. Harpur, MB BS, FFARCS  
P. Lawrence, MB BS, FFARCS

#### Royal Alexandra Hospital for Children

##### Clinical Lecturers in Paediatric Anaesthetics (part time)

J. Keneally, MB BS, FFARCS

#### Royal North Shore Hospital

##### Clinical Lecturers in Anaesthetics (part time)

N. Best, MB BS, FFARCS  
R. J. Binsted, MB BS, FFARCS FFARCS  
D. L. Cay, MB BS, FFARCS FFARCS  
I. Evans, MB BS, FFARCS  
M. M. Fisher, MB ChB *N.Z.*, FFARCS  
R. Hart, MB BS, FFARCS  
J. C. Hennessy, DA *Lond.* MB BS, FFARCS FFARCS  
FFARCS  
A. F. T. Hobbes, BSc(Med) MB BS, FFARCS  
J. Holmes, MB BS, FFARCS  
J. Hood, MB BS *Melb.*, FFARCS  
C. Lowry, MB BS, FFARCS  
D. More, BSc(Med) MB BS, FFARCS  
E. H. Morgan, MB BS DA, FFARCS  
C. E. B. Norgate, MB BS, FFARCS  
W. Parkinson, MB BS, FFARCS  
T. Shakespeare, MB BS, FFARCS FFARCS  
J. C. Warden, MB BS, FFARCS  
B. White, BSc MB BS DA, FFARCS  
T. J. Wilson, MB BS, FFARCS

#### Royal Prince Alfred Hospital

##### Clinical Lecturers in Anaesthetics (part time)

F. M. S. Bodlander, MB BS, FFARCS FFARCS  
I. Douglas, MB BS, FFARCS  
A. S. Selwyn, MB BS, FFARCS  
R. H. Woog, BSc MB BS, FFARCS

#### Westmead Hospital

##### Clinical Lecturers in Anaesthetics (part time)

C. Borton, MB BS, FFARCS  
F. H. Cox, MB BS, FFARCS  
I. F. Edmiston, MB BS, FFARCS  
C. A. Kam, MB BS, FFARCS FFARCS  
P. L. Klineberg, MB BS, FFARCS  
F. X. Lah, MB BS, FFARCS  
D. Ledwidge, MB BS, FFARCS  
I. Pearson, MB ChB *Cape T.*, FFARCS FFARCS  
T. Voss, MB ChB *Cape T.*, FFARCS FFARCS  
T. G. Watkins, MB BS *Wales*, FFARCS  
P. Woods, MB BS *Lond.*, FRACP  
K. F. Yee, MB BS, FFARCS

#### Anatomy

##### Challis Professor

Jonathan Stone, BSc(Med) PhD DSc, FAA  
Appointed 1987

##### Reader

Bogden Dreher, MS PhD *Warsaw*

##### Associate Professors

Richard J. Bandler, BA *Miami (Ohio)* PhD  
*Carnegie-Mellon*

#### TEACHING STAFF:

LAW  
MEDICINE

## OFFICERS

Cristobal G. dos Remedios, BSc PhD  
Philomena McGrath, MD BS, FRACS  
Robert R. Munro, MD BS, FRCSEd

### Senior Lecturers

Peter L. Davies, MDS  
William S. Webster, BSc PhD *Lond.*

### Lecturer

Anne Glucina, BSc *Otago*

### Lecturers (temporary)

Brett D. Hambly, BSc(Med) MB BS  
Roshun Rodriguez, MA BM BCh *Oxf.*, FRCS (half time)  
Margaret Scott, BSc MB BS *N.S.W.*

### Senior Tutors

Robyn Beirman, MB BS *N.S.W.*  
Nalini Shameen, MB BS *Madr.* MHB *Auck.*

### Professional Officers

Barry C. Lockett, DipMT *A.I.M.L.T.*, AAIMLS  
Kenneth C. Parsons, DipMT *A.I.M.L.T.*, FAIMLS  
Kenneth N. Smith, DipMT *A.I.M.L.T.*, AAIMLS

## Behavioural Sciences in Medicine

### Associate Professors

Susan C. Hayes, BA PhD *N.S.W.*  
Wendy-Louise Walker, BA PhD

### Senior Lecturer

Lorna D. Channon, BSc PhD *Manc.* MSc *Leeds*

### Lecturer

Susan D. Ballinger, BA *Macq.* PhD

### Tutors

Corrinne Adams, MA MEd DipEd  
Jennifer R. Flatt, BA *N.S.W.*  
Barbara Bicego, BA *W'gong*

## Cancer Medicine

### Professor

Martin Henry Norman Tattersall, MA BChir MD  
*Camb.* MSc *Lond.*, FRCP FRACP  
Appointed 1977

### Associate Professors

Alan S. Coates, MD BS *Melb.*, FRACP  
Robert F. Newbold, BSc *Aston* PhD *Lond.*

### Senior Lecturer (Honorary)

David Hedley, ChB MD *Leeds*, MRCP

## Community Medicine

### Professor

Charles Bridges-Webb, MB BS *Melb.* MD *Monash*,  
FRACGP  
Appointed 1975

### Professor of Geriatric Medicine (with Medicine)

Gerald Anthony Broe, BA MB BS, FRACP FACRM  
Appointed 1985

### Professor of Community and Geriatric Medicine

Stephen Ross Leeder, BSc(Med) MB BS PhD, FRACP  
FFCM  
Appointed 1986

### Senior Lecturers

John Barrand, MHPed *N.S.W.* DA *R.C.P.&S.*,  
FRACGP LMSSA  
Helen Creasey, MB BS, FRACP (*with Medicine*)

### Lecturers

Brian Driver, MB BS *N.S.W.* BPharm, FRACGP  
Tuly Rosenfeld, MB BS, FRACP (*temporary*)

### Clinical Lecturers in General Practice (part time)

B. J. Abeshouse, DOBst *R.C.O.G.* MB BS  
W. L. Adams, BSc MB BS, FRACGP  
N. A. Anderson, MB BS DTM&H, FRCGP FRACGP  
M. J. A. Andrew, MB BS MBA *N.S.W.*, FRACGP  
B. R. Appleby, DOBst *R.C.O.G.* MB BS, FRACGP  
M. E. Armstrong, DOBst *R.C.O.G.* MB BS  
R. Arnheim, MB BS  
J. K. Arundell, MB BS  
E. Asher, MB BS, FRACGP  
A. Assef, DOBst *R.C.O.G.* MB BS, FRACGP  
R. M. Ayres, MB BS *N.S.W.*  
P. J. Baker, MB BS  
R. J. Baker, MB BS, FRACGP  
J. Barker-Whittle, MB BS, FRCSEd  
R. E. Barros, MB BS *N.S.W.*  
J. M. Beith, MB BS, FRCS FRACS  
J. M. Bell, MB BS  
H. Berenson, MB BS  
H. B. Bernard, MB BS  
M. H. Beveridge, BSc MB BCh *Witw.* DOBst *R.C.O.G.*  
C. Bilinsky, MB BS  
F. Black, MB BS, FRACGP  
P. J. Black, DOBst *R.C.O.G.* MB BS, FRACGP  
J. P. Blackwood, MB BS *N.S.W.* DOBst *R.C.O.G.*,  
FRACGP  
B. K. Bland, MB BS  
J. Bloomfield, MB BS *N.S.W.*  
P. A. Bookalil, DOBst *R.C.O.G.* MB BS, FRACGP  
Z. Botskor, MD *C.L.U.J. Hungary* MB BS  
N. S. Bourke, MB ChB DOBst *N.Z.* DA *R.C.P.&S.*  
Dip.*R.A.C.O.G.*  
H. J. E. Bowen, BSc *N.S.W.* DOBst *R.C.O.G.* MB BS,  
FRACGP  
P. J. Bowers, MB BS Dip.*A.B.F.B.*, FRACGP  
R. W. Bramley, BDS *N.Z.* MB ChB *Otago* DOBst  
*R.C.O.G.*, FRACGP  
D. J. Brennan, MB BS, FRACP MRCP(UK)  
A. J. Brown, MB BS  
P. T. Brown, MB BS  
P. K. Brownlie, Dip.*R.A.C.O.G.* MB BS  
A. J. Buchanan, MB BCh *Witw.*, FRACGP  
P. R. Buckley, MB BS *Monash*, FRACGP  
A. R. Buhagiar, DOBst *R.C.O.G.* MB BS, FRACGP  
D. K. Bullock, MB ChB *Sheff.*  
J. I. Cahill, MB BS, FRACGP  
P. Cambourn, MB BS  
A. T. Cartmell, MB ChB *Manc.*  
M. Chambers, DOBst *R.C.O.G.* Dip.*R.A.C.O.G.* MB BS  
W. H. Chan, FRACGP FAMAS MRCS LRCP  
P.T. Chia, MB BS *Sing.*, FRCSEd  
A. H. B. Chancellor, MB BS, FRACP FRACGP  
S. J. Choong, MB BS DPH  
I. Chung, MB BS, FRACGP  
A. N. Ciardi, MB BS  
J. Clarke, MB ChB *Leeds*  
J. C. Clement, MB ChB *Edin.*  
E. W. Connolly, MB BS, FRACGP  
R. V. Coombes, MB BS  
A. Cowan, MB BS *Lond.* DOBst *R.C.O.G.*, FRCS  
D. J. Craigie, MB BS, FRACGP  
P. J. Crawford, MB BS *Tas.*  
D. S. Crocker, MB BS  
G. M. Cussell, MB BS

J. Daniels, MB BS  
T. P. David, BSc DObst *R.C.O.G.* MB BS, FRACGP  
P. B. Deaner, MB BS *Lond.*, FRACGP  
L. G. Deithe, DObst *R.C.O.G.* MB BS  
S. J. Doumani, MB BS  
J. S. Dowsett, MHPed *N.S.W.* MB BS, FRACGP  
J. F. Eather, MB BS *Qld.*, FRACGP  
J. D. Egan, DObst *R.C.O.G.* MB BS  
E. J. Elkington, BM BCh *Oxf.*  
P. Fagan, DObst *R.C.O.G.* DCH MB BS  
R. J. Favalaro, MB BS  
C. A. J. Fenn, MB ChB *Otago*  
B. J. Ferguson, MB BS  
D. R. Fernando, MB BS *Ceyl.*  
M. F. Fernando, MB BS *Ceyl.* DObst *Auck.*, MNZCGP  
C. Ferraris, MB BS  
S. A. Finlay, Dip.*R.A.C.O.G.* MB BS  
A. E. Fisher, MB BS, FRACGP  
G. B. Fisk, MB BS *Adel.*  
P. Fitt, DObst *R.C.O.G.* BSc MB BS  
I. W. Fitzpatrick, MB BS, FRACGP  
D. Fountain, MB BS *N.S.W.*  
J. R. Fuller, Dip.*R.C.O.G.* DCH MB BS  
P. M. Furey, MB BS, FACOM  
A. S. Gabrael, MB BCh *Cairo*, FRACGP  
J. L. Galati, MB BS *Melb.* DObst *R.C.O.G.*, FRACGP  
L. Gallo, MB BS  
P. Gan, MB BS  
P. H. Gaston, DCH *R.C.P&S.* MB BS  
L. Gazal, MB BS  
L. F. Genua, MB BS  
J. G. Gilchrist, DObst *R.C.O.G.* MB BS, FRACGP  
A. D. F. Gillespie, DObst *R.C.O.G.* MB BS, FRACGP  
V. Goldrick, MB BS *Lond.* DCH *R.C.P&S.*  
D. Gosling, MB BS *N.S.W.* Dip.*R.A.C.O.G.*  
N. K. Goundar, MB BS *Andhra*  
P. L. Green, MB BS *Adel.* DipAvMed *Camb.* DObst *R.C.O.G.*  
G. A. Grinius, MB BS  
A. D. Grunwald, MD *Bud.* MB BS, FRACGP  
D. Guest, MB BS  
H. F. Haber, MB BS, FRACGP  
W. Haddad, MB BS *N.S.W.*, FRACGP  
P. Hamilton, MB BS  
R. W. Hardie, MB BS  
B. C. Harris, MB BS, FRACGP  
J. R. Harris, MB BS, FRACGP  
M. Harris, Dip.*R.A.C.O.G.* MB BS  
G. Harrison, MB BS, FRACGP  
J. A. Hay, MB BS  
K. A. Hazelton, MB BS *Lond.* DObst *R.C.O.G.* Dip.*R.A.C.O.G.*  
A. D. Helman, MB BS *Adel.*  
M. Hensche, BSc *Adel.* MB BS Dip.*R.A.C.O.G.*, FRACGP  
R. W. Hindmarsh, MB BS  
A. Hollo, MB BS  
A. D. P. Hull, MB BS  
N. E. Ince, BSc, MRCS LRCP  
D. Jarvis, MB ChB *Brist.* BA BLitt *A.N.U.*, FRACGP  
H. W. Jarvis, MB BS  
L. P. H. Jeffery, MB BS, FRACGP  
G. B. Jones, MB BS *N.S.W.* Dip.*R.A.C.O.G.*  
J. M. Jones, DObst *R.C.O.G.* MB BS, FRACGP  
A. S. Joshi, MB BS *Bom.*  
H. M. Kalmath, MB BS *Bom.*  
J. L. Kearns, MB BS  
G. J. Keighery, MB BS  
G. D. Kenny, MB BS, FRACGP  
V. Kijvanit, MB BS, FRCSEd *FRCSI*  
R. J. Kirk, MB BS  
R. R. Kirkby, MB BS

C. E. Kleinig, MB BS *Tas.* DObst *R.C.O.G.*, FRACGP  
B. H. Klineberg, MB BS *N.S.W.*, FRACGP  
D. C. Knight, BSc(Med) MB BS, FRACGP MRCOG MRACOG  
E. A. Kok, MB BS *N.S.W.*  
S. S. Koussa, MB BCh *Cairo*  
G. J. Lee, Dip.*R.A.C.O.G.* MB BS  
R. J. Lee, MB BS  
A. M. Liebhold, MB BS *Melb.* DCH *Lond.*, FRACGP  
L. Livingston, MB BS  
J. W. Logan, MB BS, FRACGP  
A. H. Lowy, MB BS, FRACGP  
E. H. Loxton, MB BS *Lond.* DObst *R.C.O.G.*  
G. R. Lucas, MB BS  
N. A. Lucas, DObst *R.C.O.G.* MB BS, FRACGP  
K. McDonald, MB BS, FRACGP  
S. M. McDonald, MB BS, FRACGP  
S. McGilvray, MB BS *N.S.W.*  
J. L. McRae, MB BS *N.S.W.* DObst *R.C.O.G.* Dip.*R.A.C.O.G.*  
D. M. Madew, MB BS, FRACGP  
E. M. J. Marshall, MB BCh *DAO Belf.*, FRACGP  
D. Mawter, MB BS  
R. J. Medbury, DObst *R.C.O.G.* MB BS  
D. A. Merrington, MB BS, FRACGP  
L. W. Middleton, MB BS, FRACGP  
B. Mileschkin, MB BS, FRACGP  
T. W. D. Millar, MB ChB *Edin.* DObst *R.C.O.G.* DA *R.C.P&S.*, FRCSEd *MFARCS*  
G. C. Miller, MB BS, FRACGP  
J. J. Miller, MB BS *N.S.W.*, FRACGP  
D. Moore, MB BS DObst *R.C.O.G.*  
E. Morey, MB BS  
M. F. Morgan, MB BS, FRACGP  
T. Moss, MB BS  
E. J. Mulvey, MB BS *Melb.*  
O. R. Muratore, MB BS *N.S.W.* DipSportsMed *Lond.*  
J. D. Musgrove, DCH *Lond.* MB BS  
R. Naidu, MB BS *Mys.*, LMSSA  
G. Naker, MB BS *Bom.*  
H. Nathan, MD *Sofia*  
E. K. Ng, MB BS *Sing.*  
R. K. K. Ng, MB BS  
J. P. Nicholas, MB BS *N.S.W.*  
R. O. Nichols, DObst *R.C.O.G.* MB BS, FRACGP  
M. J. Nicholson, MB BS *Lond.* DObst *R.C.O.G.*, FRACGP  
J. J. Norris, MB BS  
M. Oakley, DObst *R.C.O.G.* Dip.*R.A.C.O.G.* MB BS, FRACGP  
J. T. O'Dowd, MB BCh *Dub.*  
D. O. Oliver, MB ChB *Edin.* DObst *R.C.O.G.* Dip.*R.A.C.O.G.*, FRACGP MRCGP  
J. O'Loan, MB BS, FRACGP  
J. Olsen, MB BS  
T. D. O'Neill, DObst *R.C.O.G.* MB BS  
A. F. Oxenham, MB BS  
P. Oystagh, DObst *R.C.O.G.* MB BS, FRACGP  
D. J. Paddison, MB BS  
J. Peadon, MB BS  
B. F. Pegum, MB BS  
D. J. Penney, MB BS DObst *R.C.O.G.*  
A. F. Pennington, MB BS *DTM&H*, FRACGP  
A. S. Pollack, MD *Bratislava* DPH *Czech.* MB BS  
E. D. Pragasam, MB MS *Madr.*  
H. B. Pratt, MB ChB *Otago*, FRACGP  
O. A. Preda, BPharm MB BS, FRACGP  
D. L. A. Pryde, MB BS, FRACGP  
G. L. Pulley, MB BS  
D. J. Purches, MB BS *N.S.W.* DObst *R.C.O.G.*, FRACGP  
R. Ramrakha, MB BS

TEACHING STAFF:  
MEDICINE

## OFFICERS

R. J. T. Reid, MB ChB *Glas.*, FRACGP  
 C. Rietberger, MB BS  
 M. J. Richmond, MB ChB *Leeds*  
 M. Ridley, BSc MB *Lond.*, MRCS LRCP  
 G. S. Rieger, MB BS  
 H. R. Rikard-Bell, BSc *N.S.W.* Dip. *R.A.C.O.G.* MB BS, FRACGP  
 D. C. Roantree, MB BS *Adel.*  
 J. V. Roche, DOBst *R.C.O.G.* MB BS, FRACGP  
 V. Roche, DCH *Lond.* Dip. *R.A.C.O.G.* MB BS  
 S. Rosenberg, MD *Lodz* MB BS  
 A. W. Rososinski, MB BS *Adel.*, FRACGP  
 P. Rowland, MB BS *Qld*  
 H. Savage, MB BS  
 J. T. Schofield, MB ChB *Edin.* DCH *Lond.*, MRCPG MRCPsych  
 R. S. Sekel, MB BS  
 B. P. Shea, MB BS *Qld* DOBst *R.C.O.G.*, FRACGP  
 R. Sheather, MB BS  
 M. A. S. Shehab, MB BCh *Cairo*  
 M. Simpson, MB BS *Monash*  
 A. Singer, MB BS  
 N. Singh, MB BS *Bom.*, FRACP  
 S. Sinnathamby, MB BS *Ceyl.*  
 S. A. Sloggett, MB BS  
 P. L. Smeeth, MB BS  
 W. J. Smith, MB BS, FRACGP  
 J. Sos, MB BS  
 I. Spencer, DOBst *R.C.O.G.* DA DCH *Lond.* MB BS  
 R. D. Stone, MB BS *N.S.W.*  
 D. F. Sutherland, MB BS BE  
 R. D. Taranto, DOBst *R.C.O.G.* MB BS, FRACGP  
 M. J. Tarlinton, MB BS FRACGP  
 M. Taylor, MB BS  
 R. M. Tinning, MB BS  
 D. J. Unwin, BEc MB BS  
 R. F. Unwin, MB BS  
 W. B. Utber, MB BS, FRACGP  
 V. L. Velens, MB BS  
 B. Vingilis, MB BS  
 F. J. Virant, MB BS  
 D. C. K. Voon, BMedSc MB BS *N.S.W.*  
 I. R. Walker, MB ChB *Brist.* Dip. *R.A.C.O.G.*  
 J. B. Ward, MB BS, FRACGP  
 L. A. Ward, BSc BMedSc MB BS *N.S.W.*  
 J. Warnford, MB BS  
 J. H. Waters, MB BS, FRCSEd  
 D. F. Weinman, MB BS *Ceyl.*  
 W. Willie, MB BS  
 F. R. Wilson, DOBst *R.C.O.G.* DipPM *A.A.P.M.* MB BS, FRACGP  
 P. H. Wilson, MB BS, FRACP FRACGP  
 H. M. Wong-See, MB BS *N.S.W.*, FAMAS  
 D. J. Wood, MB BS *Lond.*  
 G. I. Woodgate, MB BS  
 L. A. Woollard, MB BS *Melb.* DA *Lond.* DOBst *R.C.O.G.*  
 V. Wrice, Dip. *R.A.C.O.G.* MB BS  
 N. G. York, MB BS *Melb.* DCH *Lond.*, FRACGP

### Clinical Lecturers in Community and Geriatric Medicine (part time)

J. Backhouse, MB BS  
 S. Buckley, MB BS  
 T. Cahill, MB BS, FRACP  
 D. Caine, MB BS  
 I. Cameron, MB BS, FACRM  
 G. Chapman, MB BS, FRACP  
 T. Choy, MB BS, FRACP  
 C. F. Clowes, MB BS *N.S.W.*, FRACP  
 J. Cullen, MB BS, FRACP  
 P. J. D'Arbon, MB BS, FRACGP

C. Faulder, MB BS, FRACGP  
 T. Finnegan, MB BS, FRACP  
 R. Gallyot, MB BS, FRACP  
 R. B. Geeves, MB BS, FRACGP FCGP *Sing.*  
 T. Gibian, MB BS, FRACP  
 A. N. Gyory, MS *Minn.* BSc(Med) MB BS, MRCP(UK)  
 M. Hely, MB BS, FRACP  
 S. Holliday, MB BS  
 E. Imperial, MD *Philippines*, FPCC FACC  
 D. C. Ingham, MB ChB *Edin.* DPM *Lond.*, FRANZCP MRCPsych  
 T. Ireland, MB BS  
 A. Kaneyson, MB BS, FRANZCP  
 P. Kelleher, MB BS, FRACP  
 P. Landau, MB BS, FRACP  
 J. E. Marosszeki, MB BS DPRM  
 K. McCarthy, MB BS  
 A. McEvoy, MB BS, FRCP  
 Y. McMasters, MB BS  
 R. Oakeshott, MB BS DPRM, FRCSEd FRACS  
 T. J. O'Neill, DOBst *R.C.O.G.* MB BS, FRACGP  
 J. Pettigrew, MB BS, FRANZCP  
 S. Prakash, MB BS *Madri.* MS *New Delhi*, FRACS  
 M. Price, MB BS, FRACP  
 G. Roberts, MB ChB *Cape T.*  
 S. Rutkowski, MB BS, FACRM  
 J. Sandanam, MB BS DPRM *Aust.* *PG. Fed. Med.*  
 E. A. Shores, BA  
 B. H. Stone, MB BS FRCSEd  
 J. H. E. Voss, MB BS, FRACP  
 J. Walton, BSc PhD  
 S. Williams, MB BS, FRANZCP  
 C. Winer, LLB *Lond.* DPRM *Aust.* *PG.Fed.Med.*  
 DOBst *R.C.O.G.* MB BS, LRCP LLCO MRCS  
 J. Yeo, AO, DPRM *Aust.* *PG.Fed.Med.* MB MS  
 B. Zeman, MB BS, FACRM

## Histology and Embryology

### Bosch Professor

Kenneth Wollaston Cleland, MB BS  
 Appointed 1957

### Reader

John K. Pollak, PhD *McG.* BSc

### Associate Professor

Cedric D. Shorey, MSc PhD *N.S.W.*, CGIA FIST

### Senior Lecturers

Johnston W. McAvoy, BSc *Belf.* PhD *Flin.*  
 Clare A. Rae, PhD *N.E.* BSc  
 George E. Sullivan, MSc *N.Z.* PhD  
 Margaret A. Swan, BSc PhD

### Lecturers

Lynette A. Moffat, BSc PhD  
 Christopher R. Murphy, BSc *Adel.* PhD *Flin.*

### Professional Officer Grade III

Robin Arnold, MSc

### Honorary Appointment

#### Research Affiliate

E. W. Van Lennep, NatPhilDrs *Utrecht*

## Infectious Diseases

### Bosch Professor

Yvonne Edna Cossart, DCP *Lond.* BSc(Med) MB BS, FRCPath  
 Appointed 1985

*Associate Professor*  
Raymond Kearney, BSc PhD *Qld*

*Lecturers*  
Colin Harbour, BSc *Wales PhD Lond.*  
Mary A. Pegler, MSc, MASM

*Lecturer (temporary)*  
Carol H. Thompson, MVS

*Lecturers (part time)*  
Richard A. Benn, DipBact *Lond.* BSc(Med) MB BS, FRCPA FRACP  
Ross Bradbury, MB BS, FRACP  
Gerald Williams, BSc(Med) MB BS, FRCPPath

*Senior Tutor*

.....

## Medicine

*Laura Bushell Professor of Neurology and Bosch Professor of Medicine*  
James Graham McLeod, AO, DPhil *Oxf.* BSc(Med) MB BS, FRCP FRACP FAA  
Appointed 1972

*Professors*  
Douglas William Piper, MD BS, FRCP, FRACP  
Appointed 1973  
James Roland Lawrence, MB BS *Adel.*, FRACP Hon.FACP  
Appointed 1976  
Peter Anthony Castaldi, MD BS, FRACP FRCPA  
Appointed 1978  
John Ross Turtle, MD BS, FRACP  
Appointed 1979

*Scandrett Professor of Cardiology*  
David Thomas Kelly, MB ChB *N.Z.*, FRACP FACC  
Appointed 1976

*Florance and Cope Professor of Rheumatology*  
Peter Michael Brooks, MD BS *Monash*, FRACP  
Appointed 1983

*Professor of Respiratory Medicine*  
Ann Janet Woolcock, MB BS *Adel.* MD, FRACP  
Appointed 1984

*Professor of Geriatric Medicine (with Community Medicine)*  
Gerald Anthony Broe, BA MB BS, FRACP FACRM  
Appointed 1985

*Clinical Professor of Gastroenterology*  
Neil David Gallagher, MD BS, FRACP  
Appointed 1985

*Associate Professors*  
Norbert Berend, MD BS, FRACP  
Geoffrey C. Farrell, MB BS *Tas.* MD *Qld*, FRACP  
Akos Z. Györy, MD BS, FRACP  
John D. Pollard, BSc(Med) MB BS PhD, FRACP  
Solomon Posen, BA MD BS *Adel.*, FRACP FRCP  
Tania C. Sorrell, MD BS *Adel.*, FRACP  
Colin E. Sullivan, BSc(Med) MB BS PhD, FRACP  
Ronald S. Walls, MB ChB *Cape T.* DPhil *Oxf.*, FCP (SA) FRACP FRCPA  
Dennis K. S. Yue, MB BS PhD, FRACP

*Senior Lecturers*  
Helen Creasey, MB BS, FRACP (with *Community Medicine*)

Michael J. Field, BSc(Med) MD BS, FRACP (*Geriatric Medicine*)  
Peter J. Fletcher, MB BS PhD, FRACP  
Richard F. Kefford, MB BS PhD, FRACP (*Medical Oncology*)  
Leslie Schrieber, MD *N.S.W.* MB BS, FRACP (*Rheumatology*)  
Daniel Stiel, MSc *Lond.* MD BS, FRACP

*Senior Lecturer in Cardiology and Chapman Fellow*  
Saul B. Freedman, BSc(Med) MB BS PhD, FRACP

*Professional Officers Grade III*  
Peter M. Donnelly, DipMT *A.I.M.L.T.*, AAIMLS  
Wesley F. Green, DipMT *A.I.M.L.T.*, AAIMLS

*Professional Officer Grade II*  
German Kositzin, BSc *N.S.W.*

## Honorary Appointments

*Honorary Associates*  
C. J. Eastman, MD BS, FRACP  
L. A. Engel, MB BS *Melb.* PhD *McG.*, FRACP  
G. A. Nicholson, MB BS PhD, FRACP

*Research Affiliates*  
R. C. Baxter, BSc PhD  
L. Dintenfass, MSc PhD *N.S.W.* DipIng *Poly. Lvov.*, FRACI FRSH FICA MIEAust MACPSM  
W. K. T. Fowler, MSc *N.Z.* PhD *Lond.*  
A. C. MacFarlane, MB BS DP *Adel.*, MRANZCP

## Lidcombe Hospital

*Clinical Lecturers in Medicine (part time)*  
J. A. Booker, MB BS, FRACP MRCP(UK)  
P. Burnett, MB BS, FRACP  
T. M. Cahill, BA MB BS, FRACP  
T. Choy, MB BS, FRACP  
C. F. Clowes, MB BS, FRACP  
R. F. Dunn, MB BS, FRACP  
G. Elder, MB BS, FRACP  
J. Ell, MB BS, FRACP  
C. Elliott, MB BS, FRACP  
J. Flack, MB BS FRACP  
J. Gallo, MB BS, FRACP FRCPA  
T. P. Gibian, MB BS, FRACP  
W. Hughes, MB BS, FRCPA  
E. Imperial, MD *Philippines*, FPCP FPCC FACC  
P. Kelleher, MB BS, FRACP  
F. Kirsten, MB BS, FRACP  
J. Mann, MD BS, FRACP  
C. Meredith, MB BS, FRACP  
D. Rail, MB BS, FRACP  
J. Tidmarsh, MB BS, FRACP  
T. Tydd, MB BS, FRACP  
V. Vignaendra, MB BS, FRACP

*Clinical Lecturers in Gastroenterology (part time)*  
K. Bhanthumnavin, BSc(Med) MB BS, FRACP  
C. Meredith, MB BS, FRACP  
T. Tydd, MB BS, FRACP

*Clinical Lecturers in Haematology (part time)*  
J. Gallo, MB BS, FRACP FRCPA  
W. Hughes, MB BS, FRCPA

*Clinical Lecturers in Neurology (part time)*  
H. Creasey, MB BS, FRACP  
J. Ell, MB BS, FRACP  
C. F. Elliott, MB BS *Qld*, FRACP  
D. Rail, MB BS, FRACP  
V. Vignaendra, MB BS, FRACP

TEACHING STAFF:  
MEDICINE

# OFFICERS

*Clinical Lecturer in Rheumatology (part time)*  
T. Choy, MB BS, FRACP

*Clinical Lecturers in Thoracic Medicine (part time)*  
J. Mann, MD BS, FRACP  
J. Rutland, MB BS, FRACP

*Clinical Lecturer in Dermatology (part time)*  
K. Georgouras, MB BS DDM, FACD

*Clinical Lecturers in Cardiology (part time)*  
P. Burnett, MB BS, FRACP  
R. F. Dunn, MB BS, FRACP  
E. Imperial, MD *Philippines*, FPCP FPCC FACC  
P. Kelleher, MB BS, FRACP

*Clinical Lecturers in Endocrinology (part time)*  
J. Flack, MB BS, FRACP  
J. Tidmarsh, MB BS, FRACP

*Clinical Lecturers in Renal Medicine (part time)*  
T. Cahill, BA MB BS, FRACP  
G. Elder, MB BS, FRACP

## **Mater Misericordiae Hospital**

*Clinical Lecturers in Medicine (part time)*  
L. B. Coy, MB BS, FRACP  
G. Diethelm, MB BS  
R. C. Edwards, MB BS, FRACP MRCP(UK)  
R. F. O'Rielly, MB BS, FRACP  
D. Sinclair, MB BS, FRCPCan FRACP  
J. R. Johnson, MB BS, FRACP  
I. S. Love, MB BS, FRACP

*Clinical Lecturers in Dermatology*  
M. Rogers, MB BS, FACD  
G. S. Cottee, MB BS DDM, FACD

## **Repatriation General Hospital, Concord**

*Clinical Lecturers in Medicine (part time)*  
R. Bradbury, MB BS, FRACP FRCPA  
Y. T. Choong, MB BS, FRACP  
A. B. Conomy, MB BS, FRACP  
P. R. Davis, MB BS, FRACP  
O. A. Peiris, MD BS, FRACP MRCP(UK)  
S. Waller, MB BS *Lond.*, FRACP MRCP(UK)

*Clinical Lecturers in Cardiology (part time)*  
W. J. Arter, MB BS, FRACP  
H. M. Eisenberg, MB BS, FRACP  
N. R. Noble, MB BS, FRACP  
N. Patel, MD BS, FRACP  
M. Savvides, MB BS, FRACP  
J. Yiannikas, MB BS

*Clinical Lecturers in Dermatology (part time)*  
L. D. Cains, MB BS DDM, FACD  
W. E. de Launey, MB BS DDM, FACD FRACP  
W. Land, MB BS DDM, FACD  
W. Regan, MB BS DDM, FACD

*Clinical Lecturers in Endocrinology (part time)*  
J. N. Carter, BSc(Med) MB BS, FRACP  
M. J. Hooper, MB BS, FRACP  
G. M. Marel, MB BS, FRACP FACP

*Clinical Lecturers in Gastroenterology (part time)*  
G. Barr, MB BS, FRACP  
J. L. Cowlshaw, MB BS, FRACP  
K. Goulston, MD BS, FRACP  
C. Loh, MB BS, FRACP  
M. R. Lunzer, MB BS, FRACP MRCP(UK)  
C. McDonald, MB BS, FRACP

*Clinical Lecturers in Geriatric Medicine (part time)*  
G. Chapman, MB BS, FRACP  
J. S. Cullen, MB BS, FRACP  
P. J. D'Arbon, MB BS, FRACGP  
G. N. Gyory, MS *Minn.* BSc(Med) MB BS, MRCP(UK)

*Clinical Lecturers in Haematology (part time)*  
B. J. Arnold, DCP *Lond.* MB BS, FRCPA FRCPPath  
FRACP  
W. J. Benson, MB BS, FRACP FRCPA  
I. S. Collins, MB BS, FRACP FRCPed MRCP(UK)  
G. G. Crane, MB BS, FRACP FRCPA  
F. Hanly, MB BS, FRCPA  
J. Hewson, MB BS, FRCPA  
M. D. Nicholls, MB BS, FRACP FRCPA

*Clinical Lecturers in Neurology (part time)*  
A. Corbett, MB ChB *Otago*, FRACP  
R. Joffe, MB BCh *Witw.*, FRCP FRACP  
G. D. Lord, MB BS, FRACP  
R. A. Mackenzie, MB BS, FRACP  
G. Nicholson, MB BS PhD, FRACP  
D. Sharpe, MB BS, FRCP

*Clinical Lecturer in Oncology (part time)*  
R. Aroney, MB BS, FRACP

*Clinical Lecturers in Renal Medicine (part time)*  
P. V. Collett, MB BS, FRACP  
R. E. Evans, MB BS, FRACP  
C. R. P. George, MB BS, FRACP  
S. Kalowski, MB BS, FRACP  
R. N. Wyndham, MB BS, FRACP

*Clinical Lecturers in Rheumatology (part time)*  
A. B. Corrigan, DipPhysMed *Lond.* MB BS DPM,  
FRACP MRCP(UK)  
S. Kannangara, MB BS, FRACP

*Clinical Lecturers in Thoracic Medicine (part time)*  
A. B. X. Breslin, MB BS, FRACP  
M. B. Dally, MB BS, FRACP  
B. J. S. Hartnett, MB BS, FRCPed FRACP  
C. R. Jenkins, MB BS  
G. E. Marlin, MB BS, FRACP  
J. Rutland, MB BS, FRACP

## **Royal Alexandra Hospital for Children**

*Clinical Lecturer in Paediatric Dermatology (part time)*  
M. Rogers, MB BS DDM, MACD

*Clinical Lecturers in Paediatric Pathology (part time)*  
P. M. Bale, MB BS *Melb.*, MRCPA MRCPPath  
C. J. Bryant, MB BS *Qld.*, FRCPA  
D. C. Dorman, BSc *Adel.* PhD *Lond.*  
A. E. Kan, MB BS, FRCPA  
A. T. Lammi, MB BS, FRACP FRCPA

## **Royal North Shore Hospital**

*Clinical Lecturers in Medicine (part time)*  
D. H. Allen, MB BS, PhD, FRACP  
G. E. Bauer, MB BS, FRCP FRACP FACC  
D. R. Bell, MB BS, FRACP  
M. Bridegman, MB BS, FRACP  
P. G. Caspari, MB BS, FRACP FACC  
R. Caterson, MB BS, FRACP  
P. Clifton-Bligh, BSc(Med) MB BS, FRACP  
R. A. Cooper, MB BS, FRACP  
G. Diethelm, MB BS  
A. C. Edwards, MB BS, FRACP  
R. C. Edwards, MB BS, FRACP MRCP(UK)  
F. M. Elliott, MB BS, PhD, FRACP  
D. I. Fevre, MB BS, FRACP  
T. Finnegan, BMedSc MB BS *Adel.*, FRACP



J. F. Gunning, MD BS, FRACP FACC  
 I. B. Hales, MD BS, FRCP FRCPed FRACP  
 T. R. Heap, MB BS, FRACP  
 R. Hoschl, MD  
 L. S. Ibels, MB BS, FRACP  
 J. P. Isbister, BSc(Med) MB BS, FRACP FRCPA  
 R. Joffe, MB BCh *Witw.*, FRCP FRACP  
 R. W. Johnston, MB BS DPM, FRACP MRCP(UK)  
 K. O. Jones, MB BS DCP, FRCPA FRCPPath  
 J. A. Levi, MB BS, FRACP  
 M. R. Lunzer, MB BS, FRACP MRCP(UK)  
 D. D. F. Ma, MD BS, FRACP FRCPA  
 J. F. Mahony, MB BS, FRACP  
 W. R. J. Middleton, BSc MD BS, FRCP FRACP  
 G. I. Nelson, MB BS, FRACP  
 R. J. Oakeshott, MB BS DPRM, FRCSEd FRACS  
 FACRM  
 R. F. O'Reilly, MB BS, FRACP  
 P. Piggott, MB BS, FRACP  
 S. R. Potter, MB BS, FRACP  
 R. B. M. Ravich, MB ChB *N.Z.*, FRACP  
 J. W. Riley, MD BS FRACP  
 R. D. Scurr, MB BS, FRCPA  
 M. R. Shanahan, MB BS *N.S.W.* DTM&H *Liv.*, FRACP  
 B. H. Short, MB BS, FRACP  
 P. Slezak, MB BS, FRACP  
 R. E. Spielman, MB BS, FRANZCP, MANZCP  
 J. N. Stiel, MB BS, FRACP  
 G. S. Stokes, MD *N.S.W.* MB BS, FRACP  
 C. Storey, MB BS, FRACP  
 M. Sulway, MD *Birm.* MB BS, FRACP  
 S. F. Tattersall, MD BS *Lond.*, FRACP MRCP(UK)  
 T. R. Terenty, MB BS, FRACP  
 A. G. Tyndall, MB BS, FRACP  
 R. A. Vandenberg, MB BS, FRACP  
 S. Van Nunen, MB BS, FRACP  
 H. Washington, MB BS, FRACP  
 J. Webb, MB BS *Qld.* FRACP  
 J. V. Wells, MD BS, FACP FRCPA FRACP  
 P. M. Williamson, MB BS, FRACP  
 E. G. Wilmshurst, MD BS, FRACP  
 J. D. Wingfield, MB BS, FRACP  
 J. C. Wiseman, MD BS, FRACP  
 R. L. Woods, MB BS, FRACP MRCP(UK)

*Clinical Lecturers in Cardiology (part time)*

G. E. Bauer, MB BS, FRCP FRACP FACC  
 P. Caspari, MB BS, FRACP FACC  
 G. L. Donnelly, MB BS, FRCP FRACP  
 A. C. Edwards, MB BS, FRACP  
 J. Gunning, MD BS, FRACP FACC  
 K. Hellestrand, MB BS PhD, FRACP  
 S. Hunyor, MB BS, FRACP FACC  
 F. Nasser, MB BS, FRCP FRACP  
 G. I. Nelson, MB BS, FRACP  
 B. H. Short, MB BS, FRACP  
 H. Washington, MB BS, FRACP

*Clinical Lecturers in Dermatology (part time)*

A. J. Cooper, BSc MB BS  
 G. S. Cottee, MB BS DDM, FACD  
 N. Goldman, MB BS  
 J. M. Lark, MB BS, FACD  
 J. L. Le Guay, MB BS DDM, FACD

*Clinical Lecturers in Endocrinology (part time)*

M. Bridgeman, MB BS, FRACP  
 P. Clifton-Bligh, BSc(Med) MB BS, FRACP  
 I. Hales, DTM&H *Liv.* MD BS, FRACP  
 M. J. Hooper, MB BS, DTM&H *Liv.*, FRACP  
 R. Mason, MB BS PhD  
 M. R. Shanahan, MB BS *N.S.W.* DTM&H *Liv.*, FRACP

G. Shenfield, MB BCh *Oxf.*, FRACP MRCP(UK)  
 J. Stiel, MB BS, FRACP  
 M. Sulway, MD *Birm.* MB BS, FRACP  
 E. Wilmshurst, MD BS, FRACP

*Clinical Lecturers in Gastroenterology (part time)*

C. P. Bambach, MB BS, FRACP  
 D. I. Fevre, MB BS, FRACP  
 I. R. Fielding, PhC MB BS, FRCS FRACS  
 T. R. Heap, MB BS, FRACP  
 R. M. Hollings, MB BS, FRCS FRACS  
 M. R. Lunzer, MB BS, FRACP MRCP(UK)  
 W. R. J. Middleton, BSc(Med) MD BS, FRCP FRACP  
 J. P. Percy, MB BS, FRCS FRACS  
 J. Riley, MD BS, FRACP

*Clinical Lecturers in Haematology (part time)*

J. P. Isbister, BSc(Med) MB BS, FRCPA FRACP  
 K. O. Jones, MB BS DCP, FRCPPath FRCPA  
 K. S. Lau, MB BS *Malaya*, FRCPA  
 D. D. F. Ma, MD BS, FRACP FRCPA  
 R. Ravich, MB ChB *N.Z.*, FRACP  
 R. D. Scurr, MB BS, FRCPA

*Clinical Lecturers in Neurology (part time)*

R. Joffe, MB BCh *Witw.*, FRCP FRACP  
 R. W. Johnston, MB BS DPM, FRACP FRCP  
 G. Selby, MD BS, FRCP FRCPed FRACP  
 C. Storey, MB BS, FRACP  
 T. R. Terenty, MB BS, FRACP  
 P. M. Williamson, MB BS, FRACP  
 J. D. Wingfield, MB BS, FRACP

*Clinical Lecturers in Rheumatology (part time)*

S. Dodman, MB ChB *Manc.*, FRACP MRCP(UK)  
 P. J. McNaught, BSc *Well.* MB ChB *Otato*, FRACP  
 MRCP(UK)  
 M. Nelson-Marshall, MB BS, FRACGP  
 S. R. Potter, MB BS, FRACP  
 A. G. Tyndall, MB BS, FRACP  
 J. Webb, MD BS *Qld.* FRACP

*Clinical Lecturers in Thoracic Medicine (part time)*

D. H. Allen, MB BS PhD, FRACP  
 F. M. Elliott, PhD *Lond.* MB BS, FRACP  
 P. Piggott, MB BS, FRACP  
 S. Tattersall, MD BS *Lond.*, FRACP MRCP(UK)  
 R. A. Vandenberg, MB BS, FRACP  
 H. E. Ward, MB BS, FRACP

**Royal Prince Alfred Hospital**

*Clinical Lecturers in Medicine (part time)*

R. A. V. Benn, BSc MB BS, FRACP  
 W. J. Benson, MB BS, FRCP FRACP  
 J. A. Burgess, MB BS, FRACP  
 F. H. Burns, MB BS, FRACP MRCP(UK)  
 I. D. Caterson, MB BS, FRACP  
 D. T. Church, MB BS, FRACP  
 P. E. Donnelly, MB BS PhD, FRACP  
 J. Forrest, MB BS, FRACP  
 R. Garsia, MB BS, FRACP  
 J. Gibson, MB BS, FRACP  
 M. A. Gillies, MB BS, FRACP  
 J. M. Greenaway, MB BS, FRCP FRACP  
 B. M. Hall, MB BS PhD, FRACP  
 J. E. Hassall, MB BS, FRACP  
 A. Joasoo, MD BS, FRACP  
 R. M. H. Kater, MB BS, FRACP FRCP  
 R. J. Mulhearn, MB BS, FRCP FRACP  
 K. W. Perkins, MB BS, FRACP  
 D. Raghaven, MB BS, FRACP  
 P. M. Stewart, MB BS, FRACP  
 P. C. Vincent, BSc(Med) MD BS, FRACP FRCPA

TEACHING STAFF:  
 MEDICINE

# OFFICERS

P. R. Wikramanayake, MD *Ceyl.* MB BS, FRCP  
FRCPEd

J. York, MD *Melb.* MB BS, FRACP  
W. Zylstra, MB BS DTM&H, FRACP

## *Clinical Lecturers in Cardiology (part time)*

I. K. Bailey, MB BS, FRACP  
L. Bernstein, MB BS, FRACP FACC  
R. Dunn, MB BS, FRACP  
P. J. Harris, BSc(Med) MB BS PhD, FRACP  
J. G. Richards, MB BS, FRCP FRACP  
D. R. Richmond, MB ChB BSc *Leeds* MSc *Minn.*,  
FRCP FRACP FACC

## *Clinical Lecturers in Dermatology (part time)*

I. H. E. Dawson, MB BS  
S. Lee, MB BS, FACP  
S. Richards, MB BS, FACP

## *Clinical Lecturers in Haematology (part time)*

D. Joshua, PhD *Oxf.* MB BS, FRACP FRCPA  
H. Kronenberg, MB BS DCP, FRACP, FRCPA  
FRCPPath  
K. A. Rickard, MB BS *Melb.*, FRACP FRCPA FCAP  
MRCPath

## *Clinical Lecturers in Neurology (part time)*

J. L. Allsop, MB BS, FRACP  
G. J. Halmagyi, BSc(Med) MB BS, FRACP  
J. Leicester, MB BS, FRACP  
J. Walsh, BSc(Med) MD BS, FRACP  
W. H. Wolfenden, MB BS, FRCP FRCPEd FRACP

## *Clinical Lecturers in Renal Medicine (part time)*

G. G. Duggin, MB BS PhD, FRACP  
J. Horvath, MB BS, FRACP  
J. R. Johnson, MB BS, FRACP  
D. Tiller, MB BS, FRACP

## *Clinical Lecturers in Thoracic Medicine (part time)*

P. Corte, MB ChB *N.Z.*, FRACP  
P. Gianoutsos, MB ChB *N.Z.*, FRACP  
J. H. Lee, MB BS, FRACP  
I. Young, MB BS PhD, FRACP

## Westmead Hospital

### *Clinical Lecturers in Medicine (part time)*

R. G. Batey, BSc(Med) MB, FRACP MRCP(UK)  
K. F. Bradstock, BSc MB BS, FRACP FRCPA  
D. V. Cody, MB BS, FRACP  
P. Despas, MB BS, FRACP  
P. Francis, MS, FRACP MRCP(UK)  
C. J. Eastman, MD BS, FRACP  
L. A. Engel, MB BS *Melb.* PhD *McG.*, FRACP  
P. E. Gillespie, MB BS, FRACP  
P. W. Harvey, MB BS, FRACP  
J. R. Hazel, MB BS *Qld*, FRSTM&H FRACP  
R. Jeremy, MB BS, FRACP  
J. Koutts, MB BS, FRACP FRCPA  
C. H. Lee, MB BS *Adel.*, FRACP FRCPA  
I. Lorentz, MB BS, FRCP FRACP  
G. Maberly, BSc(Med) MD BS, FRACP  
J. G. L. Morris, BA DM BCh *Oxf.*, FRACP FRCP  
D. R. Packham, MB BS, FRACP  
D. A. Richards, BSc(Med) MB BS, FRACP  
T. I. Robertson, MB BS, FRACP FRCP  
D. Ross, MB BS *Melb.*, FRACP  
P. Russell, MB BS, FRACP  
H. C. Smith, BSc(Med) MB BS, FRACP  
G. Stewart, BSc(Med) MB BS, FRACP  
J. Stewart, MB ChB *N.Z.*, FRCP FRACP  
A. P. Skyring, MB BS, FRACP  
A. Young, MB BS, FRACP FRCP

### *Clinical Lecturers in Cardiology (part time)*

Y. T. Choong, MB BS, FRACP  
D. V. Cody, MB BS, FRACP  
J. F. Farrar, MB BS, FRACP  
G. Geary, MB BS, FRACP  
D. A. Richards, BSc(Med) MB BS, FRACP  
D. Ross, MB BS *Melb.*, FRACP  
P. Russell, MB BS, FRACP  
N. Sadick, MB BS, FRACP  
J. F. B. Uther, MD BS, FRACP  
A. Young, MB BS, FRACP FRCP

### *Clinical Lecturers in Dermatology (part time)*

C. Commens, MB BS, FACP  
W. E. de Launey, MB BS DDM, FACP FRACP  
E. Gow, MB BS, FACP

### *Clinical Lecturers in Endocrinology (part time)*

D. R. Chipps, MB BS, FRACP  
C. J. Eastman, MD BS, FRACP  
J. R. Hazel, MB BS *Qld*, FRSTM&H FRACP  
G. Maberly, BSc(Med) MD BS, FRACP  
H. C. Smith, BSc(Med) MB BS, FRACP

### *Clinical Lecturers in Gastroenterology*

R. G. Batey, BSc(Med) MB BS, FRACP MRCP(UK)  
P. Francis, MS, FRACP MRCP(UK)  
P. E. Gillespie, MB BS, FRACP  
P. W. Harvey, MB BS, FRACP  
D. Ruppini, MB BS, FRACP  
A. P. Skyring, MB BS, FRACP

### *Clinical Lecturers in Geriatric Medicine (part time)*

P. Landau, MB BS, FRACP  
M. Price, MB BS, FRACP  
T. Rosenfeld, MB BS, FRACP

### *Clinical Lecturers in Haematology (part time)*

K. F. Bradstock, BSc MB BS, FRACP FRCPA  
W. Hughes, MB BS, FRCPA  
J. Koutts, MB BS, FRACP FRCPA  
C. H. Lee, MB BS *Adel.*, FRACP FRCPA  
T. I. Robertson, MB BS, FRACP FRCP

### *Clinical Lecturers in Immunology (part time)*

S. Kamath, MB BS DCP, FRCPA  
C. Katelaris, MB BS, FRACP  
G. Stewart, BSc(Med) MB BS, FRACP

### *Clinical Lecturer in Infectious Diseases (part time)*

R. Munro, MB BS DipBact *Manc.*, MRCP(UK)  
MRCPath  
D. R. Packham, MB BS, FRACP

### *Clinical Lecturers in Neurology (part time)*

C. F. Elliott, MB BS *Qld*, FRACP  
I. Lorentz, MB BS, FRCP FRACP  
J. G. L. Morris, DM BCh BA *Oxf.*, FRACP FRCP  
G. Walker, MB BS, FRACP  
C. Yiannikas, MB BS, FRACP

### *Clinical Lecturers in Nuclear Medicine and Ultrasound (part time)*

E. F. Crocker, MB BS BSc *N.S.W.* DDU *Aust.Soc.*  
*Ult.Med.*, FRACP  
S. M. Gruenewald, MB ChB MSc *Cape T.*, MRCP(UK)  
P. J. Sullivan, MB BS, FRACP  
A. G. Walker, DDU *Aust.Soc.Ult.Med.* MB BS, FRACP

### *Clinical Lecturers in Renal Medicine (part time)*

D. Jeremy, MB BS, FRACP

S. Lawrence, MB BS, FRACP  
J. Stewart, MB ChB N.Z., FRCP FRACP

*Clinical Lecturers in Rheumatology (part time)*

G. Howe, MB BS, FRACP  
R. Jeremy, MB BS, FRACP  
D. G. Spencer, MB BS, FRACP

*Clinical Lecturers in Thoracic Medicine (part time)*

P. Despas, MB BS, FRACP  
L. A. Engel, MB BS Melb. PhD McG., FRACP  
I. Gardiner, MB BS, FRACP

## Obstetrics and Gynaecology

### Professors

Rodney Philip Shearman, MD BS DGO, FRCOG  
FRACOG

Appointed 1968

Clyde Roger Sydney Houghton, DPhil Oxf. BSc(Med)  
MB BS, FRACOG MRCOG

Appointed 1986

### Reader

Bevan L. Reid, MD BS BVSc DTM&H

### Associate Professors

Ian S. Fraser, BSc MB ChB Edin., FRCOG FRACOG  
J. Derek Llewellyn-Jones, OBE, BA MD BCh MAO  
Dub., FRCOG FRACOG

Douglas M. Saunders, MD BS, FRACS FRCOG  
FRACOG

Brian J. Trudinger, BSc(Med) MB BS N.S.W. DDU  
Aust.Soc.Ult.Med.MD, FRCSEd FRACOG FRCOG

### Senior Lecturers

Suzanne F. Abraham, MSc PhD Melb.  
Diana L. Jakubowicz, MB BS Melb., FRACOG

### Professional Officer Grade IV

Peter M. Blackwell, DipMT A.I.M.L.T. MSc, FAIMLS  
FRMS

### Professional Officer Grade III

Robert Markham, DipMT A.I.M.L.T., FAIMLS FACBS

### Repatriation General Hospital, Concord

#### *Clinical Lecturer in Gynaecology (part time)*

J. K. Tully, MB BS, FRCOG FAGO FRACOG

### Royal North Shore Hospital

#### *Clinical Lecturers in Obstetrics and Gynaecology (part time)*

E. S. Boyce, MB BS, FRACOG MRCOG  
E. D. M. Gallery, MD BS, FRACP  
J. C. Hunter, MB BS, FRACOG MRCOG  
I. McN. Kelso, MB BS N.S.W., FRACOG MRCOG  
J. F. Kemp, MB BS, FRCSEd FRCOG FRACS FAGO  
FRACOG

I. D. McCrossin, MB BS, FACD  
W. H. Patterson, MB BS, FRCOG FACS FRACOG  
J. C. Pennington, MB BS, FRACOG MRCOG  
D. W. Pfanner, MB BS, FRCSEd FRACS FRCOG  
FRACOG

R. H. Picker, DDU Aust.Soc.Ult.Med. MB BS, FRCSEd  
FRACOG MRCOG

R. Robertson, MB BS, FRACOG MRCOG  
D. Smith, MB BS, FRACOG, MRCOG  
E. Sussman, MB BS, FRCOG FRACOG  
I. D. Truskett, MB BS, FRCOG FRACOG

#### *Clinical Lecturers in Human Reproduction (part time)*

C. N. Kellow, BSc PhD LaT.  
C. J. O'Neill, BSc PhD N'cle  
M. J. Sinosich, MSc N.E., AAIMLS

#### *Clinical Lecturers in Neonatal Paediatrics (part time)*

G. J. Bench, DCH Lond. MB BS, FRACP  
B. Wyeth, MB BS, FRACP

### Royal Prince Alfred Hospital

#### *Clinical Lecturers in Obstetrics and Gynaecology (part time)*

K. H. Atkinson, MB BS, FRACOG MRCOG  
J. C. Anderson, MB BS, FAGO FRACOG  
W. R. S. Birrell, MB BS, FRCOG FRACOG  
A. Boogert, MB BS, FRACOG  
A. H. Bradfield, MB BS DGO, FRCOG FRACOG  
A. G. Child, MB BS, FRACOG MRCOG  
J. V. Malcolm Coppleson, MD BS, FRCOG FRACOG  
P. M. Elliott, MB BS DGO, FRACOG MRCOG  
A. M. Frumar, MB BS, FRCOG FRACOG  
F. C. Hinde, MB BS DGO, FRCSEd FRACS FRACOG  
MRCOG  
R. P. Jansen, BSc(Med) MD BS, FRACP FRACOG  
MRCOG  
A. R. Korda, MB BS, FRACOG MRCOG  
R. Lawrence, MB BS DGO, FRCOG FRACOG  
R. Lyneham, MB BS, FRACOG MRCOG  
J. C. Murray, MB BS, FRCOG FRACOG  
M. C. O'Connor, MB BS, DCH, FRACOG MRCOG  
G. M. Parkin, MB BS DGO, FRCOG FRACOG  
H. J. Solomon, MB BS DGO, FRACOG MRCOG

#### *Clinical Lecturers in Infectious Diseases, Pathology and Cytology in Obstetrics (part time)*

P. Bannatyne, MB BS, FRCPA  
P. Russell, BSc(Med) MB BS, FRCPA

### St Margaret's Hospital

#### *Clinical Lecturers in Obstetrics and Gynaecology (part time)*

I. Brake, MB BS, FRCOG FRACOG  
T. J. Cody, MB BS, FRACOG MRCOG  
K. L. Collins, MB BS, FRCOG FRACOG  
D. Eisenberg, MB BS, FRACOG  
M. J. Fortune, MA MB BCh Camb., FAGO FRACOG  
MRCOG  
K. G. Hartman, MB BS, FAGO FRACOG MRCOG  
K. Hollebhone, MB BS, FRACOG MRCOG  
W. B. Molloy, MB BS, FRCS FRCOG FRACOG  
J. V. Mutton, MB BS, FRACOG MRCOG  
A. A. Pickett-Heaps, MB BS, FRACOG, MRCOG  
S. Robertson, MB BS, FRCOG FRACOG  
G. Turner, MB BS DCH, MRCP(UK)

#### *Clinical Lecturer in Obstetric Anaesthetics (part time)*

M. G. Scarf, MB BS, FFARCS

#### *Clinical Lecturers in Care of the Newborn (part time)*

D. Bau, MB BS DCH Lond., FRACP MRCP(UK)  
G. Bench, MB BS DCH, FRACP  
P. Van Vliet, BSc MD N.S.W. MB BS, FRACP

#### *Clinical Lecturer in Obstetric Medicine (part time)*

Richard O'Reilly, MB BS, FRACP

#### *Clinical Lecturer in Obstetric and Gynaecological Pathology (part-time)*

W. W. Wielebinski, MB BS DCP, FRCPA.

### Westmead Hospital

#### *Clinical Lecturers in Obstetrics and Gynaecology (part time)*

A. Baccarini, MB BS, FRCOG FRACOG  
R. Bellingham, MB BS, FRACOG MRCOG  
Phillip S. Cocks, MB BS, FRACOG MRCOG  
A. J. Crandon, PhD Leeds MB BS, FRACOG MRCOG  
G. L. Driscoll, MB BS, FRCS FRACOG MRCOG  
R. Fay, MB BS, MRCOG  
J. S. Gibson, MB BS, FRCOG FRACOG

TEACHING STAFF:  
MEDICINE

W. Giles, MB BS, FRACOG  
 K. B. Kuah, MB BS *Sing. AM Malaya*, FRCOG FICS  
 FRACOG  
 R. D. MacDonald, MB BS, FRCS FRACS FRCOG  
 FRACOG  
 G. A. Mobbs, MB BS, FRCOG FRACOG  
 M. J. Simcock, BMedSc MB ChB *N.Z.*, FRCS FRCOG  
 FRACOG  
 B. R. Spurrett, MB BS, FRACOG MRCOG  
 E. Tischler, MB BS, FRACOG MRCOG

*Clinical Lecturer in Family Planning (part time)*  
 B. W. Simcock, BSc MB BS, MRCS LRCP

*Clinical Lecturers in Gynaecological Pathology (part time)*

P. J. Baird, MB BS PhD, FRCPA  
 R. Osborn, BSc MD BS, FRCP FRCPath FRCPA  
 MAAC MAC

*Clinical Lecturer in Reproductive Biology (part time)*  
 J. Tyler, BSc *S'ton* PhD *Lond.*

## Ophthalmology and Eye Health

*Professor of Clinical Ophthalmology*  
 Francis Alfred Billson, MB BS *Melb.* DO *R.C.P.&S.*,  
 FRCSEd FRCS FRACS FACS FRACO  
 Appointed 1977

### Lecturer

Kathleen A. McClellan, MB BS, FRACS FRACO

### Lecturers (part time)

Frank J. Martin, MB BS DO, FRACO FRACS  
 Justin T. Playfair, MB BS, FRACS FRACO  
 Peter A. Rogers, MB BS DO, FRACS FRACO

## Lidcombe Hospital

*Clinical Lecturers in Ophthalmology (part time)*  
 R. S. Bengier, MB BS *Adel.*, FRACS FRACO  
 J. Chandra, MB BS *Luck.*, FRACS FRACO  
 A. Chara, MB BS *AM Sing.* DO *Edin.*, FRCSEd  
 S. H. Sarks, MB BS DO, FRCSEd FRACS LRCP

## Repatriation General Hospital, Concord

*Clinical Lecturers in Ophthalmology (part time)*  
 F. M. Booth, DO *Lond.* MB BS, FRACS  
 I. C. Francis, MB BS, FRACS FRACO  
 M. B. Kappagoda, MB BS *Ceyl.* DO *Lond.*, FRCS  
 FRACS FRACO  
 J. F. Killick, MB ChB *Edin.* DO, FRCS  
 A. L. McKay, DO *R.C.P.&S.* MB BS, FRACO

## Royal Alexandra Hospital for Children

*Clinical Lecturers in Paediatric Ophthalmology (part time)*  
 G. C. T. Burfitt-Williams, DO *R.C.P.&S.* MB BS,  
 FRACO FRACS  
 J. W. Hornbrook, DO *R.C.P.&S.* MB BS, FRACO  
 FRACS  
 F. Martin, MB BS DO, FRACO FRACS

## Royal North Shore Hospital

*Clinical Lecturers in Ophthalmology (part time)*  
 C. N. Banks, MA MB BCh *Camb.*, FRCS FRACO  
 LRCP  
 S. E. Cains, MB BS, FRACS  
 D. Campbell, MB BS, FRACS FRACO  
 G. C. Hipwell, MB BS DO, FRCS FRACO  
 S. Hollo, MD DipOphth *Bud.*, FRACO  
 C. M. Rogers, MB BS, FRACS FRACO

## Royal Prince Alfred Hospital

*Clinical Lecturers in Ophthalmology (part time)*  
 P. S. Duke, MB BS DO, FRCS FRACS FRACO  
 L. F. Hann, MB BS DO, FRACO  
 P. H. Hughes, BSc MB BS *N.S.W.* DO *Lond.*, FRACS  
 FRACO  
 P. J. McCluskey, MB BS *N.S.W.*, FRACO FRACS  
 K. M. Silva, MB BS *Qld* DO *R.C.P.&S.*, FRCS FRACO  
 H. Stern, MB BS *W.Aust.* DO, FRACO  
 R. F. Taylor, DO *Lond.* MB BS, FRACS FRACO  
 R. D. Williams, MB BS, FRACS FRACO

## Sydney Eye Hospital

*Clinical Lecturers in Ophthalmology (part time)*  
 D. Campbell, MB BS, FRACS FRACO  
 E. J. Donaldson, MB BS DO, FRACS FRACO  
 P. Hanbury, MB BS DO, FRACO  
 R. A. Higgins, MB BS DO, FRACS FRACO  
 J. W. Hornbrook, DO *R.C.P.&S.* MB BS, FRACO  
 FRACS  
 A. B. L. Hunyor, BSc(Med) MB BS DO, FRACS  
 FRACO  
 F. J. Martin, MB BS DO, FRACS FRACO  
 E. J. Milverton, MB BS DO, FRACO  
 W. Muntz, DO *R.C.P.&S. & Vienna* MB BS, FRACO  
 G. Pittar, DO *Lond.* MB BS, FRCSEd FRACO  
 J. Playfair, MB BS, FRACS FRACO  
 L. P. Robinson, MB BS DO, FRACS FRACO  
 P. A. Rogers, MB BS DO, FRACS FRACO  
 A. W. Wechsler, MB BS, FRACS FRACO

## Westmead Hospital

*Clinical Lecturers in Ophthalmology (part time)*  
 D. J. Du Temple, MB ChB *N.Z.* DO *R.C.P.&S.*, FRCS  
 FRACS FRACO  
 J. A. Harding, DO *R.C.P.&S.* MB BS, FRCS FRACS  
 FRACO  
 J. G. Henry, DO *R.C.P.&S.* MB BS, FRCS FRACS  
 FRACO  
 G. G. B. Thomson, MB BS DO, FRACO

## Paediatrics and Child Health

*Professor of Child Health*  
 Neil Buchanan, BSc MB BS *Lond.* PhD *Witw.*,  
 FCP(SA) FRACP MRCS LRCP  
 Appointed 1979

### Douglas Burrows Professor of Paediatrics and Child Health

Ronald Kim Oates, MHP *N.S.W.* DCH *R.C.P.&S.* MD  
 BS, FRACP FRACMA FRCP  
 Appointed 1985

### Senior Lecturer (fixed term)

Edward V. O'Loughlin, MB BS, FRACP

### Lecturer (temporary)

Roger C. Allen, MB BS, FRACP

## Royal Alexandra Hospital for Children

*Clinical Lecturers (part time)*  
 G. Angel-Lord, MB BS  
 A. Antony, BSc MD *Pitt.*, FRACP  
 D. D. Arnold, MB BS, FRCS FRACS  
 P. A. Barr, MB BS, FRACP  
 I. R. Barrett, MB BS, FRACS  
 L. Baur, MB BS  
 E. J. Beckenham, MB BS, FRCSEd FRACS  
 B. N. P. Benjamin, OBE, MB BS DLO, FRACS  
 D. L. Bennett, MB BS, FRACP  
 M. Bergin, MB BS, FRACP  
 M. Besser, MB BS, FRACS FRCSCan

J. Boulos, MB BS, FRACS  
 J. M. Brown, MB BS, FRACP  
 G. C. T. Burfitt-Williams, DO *R.C.P.&S.* MB BS, FRACO  
 M. Burgess, MD BS, FRACP  
 A. Bye, MB BS, FRACP  
 J. M. Celermajer, MB BS, FRACP  
 D. H. Cohen, AM, MB MS, FRACS  
 P. Concannon, MB BS, FRACP MRCP(UK)  
 J. Constantinou, MB ChB *Rhodesia*, LRCP LRCSEd LRCPSGlas  
 C. Cowell, MB BS, FRCPCan FRACP  
 A. Cottrill, MB BS  
 G. Cummins, BSc MB BS *Melb.*, FRACS  
 L. Dalla-Pozza, MB BS, FRACP  
 R. H. Davenport, MB BS DObst *R.C.O.G.*  
 M. De Silva, MB BS *Ceyl. DMRD Lond.*, MRACR  
 R. Dewey, MB BS DCH  
 R. Falk, MB BS, MRANZCP  
 J. C. M. Friend, BA MB BS, FRACP MRANZCP  
 K. Gaskin, MB ChB *Otago*, FRACP FRCPCan  
 M. D. Gett, MB BS, FRACP  
 J. Gillis, MB BS, FRACP  
 M. J. Glasson, MB BS BAgr, FRCS FRACS MRCPI  
 T. Grattan-Smith, MB BS  
 C. Green, MB DCH *Belf.*, FRACP MRCPI MRCP  
 W. G. Grigor, AM, MB BS, FRACP  
 F. Grunseit, MB BS, FRACP  
 R. Hanson, MB BS  
 J. G. Harvey, MB BS *Lond.*, FRCS FRACS LRCP  
 R. Hawker, MB BS, FRACP  
 P. Hutchins, MB BS, FRACP MRCP(UK)  
 C. Ingall, MB BS  
 C. A. James, MB BS, FRACP  
 A. Kakakios, MB BS, MRCP(UK)  
 K. R. Kamath, MD DCH *Madr.*, FRACP  
 B. E. Kearney, MB BS, FRACP  
 A. S. Kemp, MB BS *Melb.*, PhD *A.N.U.*, FRACP  
 J. P. Keneally, MB BS, FFARACS  
 H. A. Kilham, MB BS, FRACP  
 J. Kirk, MB BS  
 A. H. Lam, MB BS *H.K. DDU Aust.Soc.Ult.Med.*, MRACR  
 A. T. Lammi, MB BS, FRACP FRCPA  
 A. Lipson, MB BS *N.S.W.*, FRACP  
 M. Llewelyn, MB BS  
 D. Macauley, MB BS, FRACP  
 A. Mansour, MB BS PhD, FRACP  
 H. C. O. Martin, MB BS, FRACS FRCS  
 I. McCrossin, MB BS, FACP  
 J. D. McDonald, MB BS, FRACP  
 P. McVeagh, MB ChB *N.Z.*, FRACP  
 C. M. Mellis, MB BS, FRACP  
 L. Moore, MB BS, MRANZCP  
 A. S. Oldfield, MB BS, FRACP  
 R. A. Ouvrier, BSc(Med) MD BS, FRACP  
 P. G. Procopis, MB BS, FRACP  
 C. Quigley, MB BS, FRACP  
 P. M. Rahilly, BSc MD BS *Lond.*, MRCP  
 M. Rogers, MB BS, FACP  
 P. B. Rowe, MD BS, FRACP  
 L. P. Roy, BSc(Med) MB BS, FRACP  
 M. Silink, MD BS, FRACP  
 D. O. Sillence, MD *Melb.* MB BS, FRCPA FRACP  
 G. B. Soutter, MB ChB *Cape T. DCH R.C.P.&S.*, FRACP  
 V. Soutter, MB BS, FRACP  
 D. Starte, MB BS, MRCP(UK)  
 M. Stevens, MB BS, FRACP  
 A. R. Tink, MB BS, FRACP  
 S. Towns, MB BS, FRACP  
 R. H. Vines, DCH *R.C.P.&S.* MB BS, FRCP FRACP

B. Webster, MB ChB DCP *Otago*, FRACP  
 D. W. Whiteway, MB BS, FRCS FRCSEd FRACS FACS  
 R. D. Wines, MB BS, FRCS FRACS FRCSEd  
 B. E. Wyeth, MB BS *Qld.*, FRACP  
 J. S. Yu, DCH *R.C.P.&S.* MB BS, FRACP

*Clinical Lectures in Child Psychiatry (part time)*  
 J. L. Brennan, BSc(Med) MB BS, MRANZCP  
 M. Fairley, MB BS, MRANZCP

#### **Royal North Shore Hospital** *Clinical Lecturers (part time)*

J. Arnold, MB BS, FRACP  
 P. Barr, MB BS, FRACP  
 G. J. Bench, DCH *Lond.* MB BS, FRACP  
 J. Davis, MB BS, FRACP  
 B. Wyeth, MB BS, FRACP

#### **Royal Prince Alfred Hospital**

*Clinical Lecturers in Care of the Newborn (part time)*  
 M. Gett, MB BS, FRACP  
 D. Henderson-Smart, MB BS PhD, FRACP  
 C. James, MB BS, FRACP  
 H. Jeffery, MB BS PhD, MRCP(UK)  
 G. N. B. Storey, DABP *Amer.Bd Paediatrics* MB BS, FRACP

#### **Westmead Hospital**

*Clinical Lecturers (part time)*  
 D. Cass, MB BS, FRACS  
 A. Chong, MB BS MMed *Sing.*, FRACP  
 S. Clarke, MB BS, FCP(SA)  
 M. Deloughery, MB BS, FRACP  
 A. M. Fasher, MB BS  
 B. Filmer, MB BS, FRACP FRCS FACS  
 M. Frost, MB BS  
 A. Greenberg, MB BS  
 E. Haskard, DPH, MRCS LRCP  
 E. John, MB BS *Madr.*, FRACP  
 B. E. Kearney, MB BS FRACP  
 P. W. Knight, MB BS, FRACP  
 G. C. Miller, MB BS, FRACP  
 S. O'Flaherty, MB BS, FRACP  
 J. Pitkin, MB BS, FRACP FRCS  
 C. C. Poon, MB BS, FRACP  
 D. Thomas, MD BS, FRACP  
 P. Van Asperen, MB BS, FRACP  
 M. West, MB BS, MRANZCP  
 D. Whiteway, MB BS, FRCS FRACS FACS

#### *Temporary Lecturer*

P. Hawe, BSc

### **Pathology**

#### *Professors*

Alan Beh Puan Ng, MB BS *Melb.*, FASCP FIAC  
 FASDerm FRCPA  
 Appointed 1980  
 Susan Evelyn Dorsch, MB BS PhD  
 Appointed 1983

#### *Professor of Neuropathology*

Clive Gordon Harper, MB BS, FRCPA  
 Appointed 1985

#### *Clinical Professor*

Ernest Sydney Finckh, MD BS DCP, FRCPA FRACP  
 FRCPath  
 Appointed 1978

TEACHING STAFF:  
MEDICINE

**Reader**

John R. Gibbins, MDS PhD

**Senior Lecturers**

Leslie Arnold, BSc(Med) MB BS PhD  
Paul D. Garen, BSc(Med) MD *Florida*  
Roger S. Pamphlett, MB ChB *Cape T.*, FRACP  
MRCPPath

**Lecturer**

Annabelle Farnsworth, MB BS, FRCPA

**Senior Tutor**

Ian W. Clark, MB BS

**Professional Officers Grade III**

Graeme L. Morrison, DipMT *A.I.M.L.T.*, FAIMLS  
Bruce H. Munro, DipMT *A.I.M.L.T.*, FAIMLS

**Visiting Senior Lecturer (part time)**

W. A. Evans, BSc(Med) MB BS DCP, FRCPA

**Visiting Lecturers (part time)**

P. Bale, MB BS *Melb.*, FRCPA MRCPPath  
A. M. Bilous, MA MB ChB *Oxf.*, FRCPA  
W. H. Brighton, MB BS, FRCPA  
T. Jelihovsky, MB BS DCP  
R. C. Newland, BSc(Med) MB BS DCP, FRCPA  
E. J. Wills, BSc MD BS DCP

**Visiting Tutors**

S. Arbuckle, MB BS, FRCPA  
B. Arnold, MB BS, FRCPA  
F. Chambers, MB BS  
A. Chan, MB BS, FRCS  
V. Geddes-Dwyer, MB BS  
M. Gibson, MB BS  
L. Gupta, MB BS *Delhi*  
H. G. Healy, MB BS, FRACP  
E. Hirst, MB BS DCP  
J. F. Huang, MB BS  
S. Kondapalli, MB BS  
J. A. Loudon, BSc(Dent) BDS  
G. Martin, MB BS, FRCPA  
R. L. O'Grady, BSc BDS PhD  
W. H. Payne, MB BS DCP  
P. Samson, MA MB BS  
A. G. Tay, MB BS MPath *Malaya*  
C. P. Trebeck, MB BS, FRCPA  
M. Van Rooijen, MB BS  
H. Zoellner, BDS

**Pharmacology****Reckitt and Colman Professor of Clinical Pharmacology**

John Shaw, MB BS PhD, FRACP  
Appointed 1979

**Professor**

Graham Allen Ross Johnston, PhD *Camb.* MSc,  
FRACI  
Appointed 1980

**Associate Professors**

L. Bruce Cobbin, BSc *Melb.* PhD  
David M. Jackson, BPharm MSc PhD  
J. Paul Seale, MB BS PhD *Lond.*, FRACP  
Graham A. Starmer, MSc *Manc.* PhD  
Diana M. Temple, BSc *W.Aust.* MSc PhD

**Clinical Associate Professor**

Gillian M. Shenfield, MA BCh DM *Oxf.*, FRCP  
FRACP

**Senior Lecturers**

Robin D. Allan, BSc *Qld* PhD *James Cook*  
Rosemarie Einstein, BSc PhD  
Ewan J. Mylecharane, BPharm *Vic.I.C.* BSc PhD *Melb.*

**Tutors**

Ann E. Cincotta, BPharm  
Edward J. Damas, BSc  
Susan D. Whicker, BSc *Adel.*

**Honorary Appointments****Honorary Associates**

S. D. Anderson, PhD *Lond.* BSc  
J. W. Hambley, BSc *Adel.* PhD *A.N.U.*  
I. Spence, BSc PhD *Monash*

**Research Affiliates**

P. R. Andrews, BSc PhD *Melb.*  
J. Boutagy, BPharm MSc PhD  
L. P. Davies, BSc *Flin.* PhD *A.N.U.*  
G. M. Eckert, MB BS MSc PhC, FPS  
J. J. Grygiel, BPharm MD BS, FRACP  
G. Holan, DipAppChem *Melb.*, FRACI FAATS  
M. E. H. Howden, BSc PhD *Cal.Tech.*  
R. Kazlauskas, BSc PhD  
R. Malor, BSc PhD  
J. F. Marwood, BSc PhD *W.Aust.*  
C. M. Mellis, MB BS, FRACP  
G. S. Stokes, MD BS, FRACP  
R. P. Weatherby, BPharm MSc PhD  
M. Willow, BSc PhD *A.N.U.*

**Physiology****Professors**

Michael Gleeson Taylor, MD BS *Adel.* PhD DSc *Lond.*,  
FRACP  
Appointed 1961  
Appointed Deputy Vice-Chancellor 1975  
William Burke, BSc PhD *Lond.*  
Appointed 1967  
John Atherton Young, BSc(Path) MD BS DSc *Qld.*,  
FRACP FAA  
Appointed 1976

**Reader**

Joseph F. Y. Hoh, PhD *A.N.U.* BSc(Med) MB BS

**Associate Professors**

David F. Davey, BSc PhD *McG.*  
Barry S. Gow, MDS PhD, FRACDS  
Ann E. Sefton, BSc(Med) MB BS PhD

**Senior Lecturers**

Brian G. Cleland, BE *N.S.W.* MS PhD *Northwestern*  
Roger A. L. Dampney, BSc PhD  
Brian J. Morris, BSc *Adel.* PhD *Monash*  
Alan G. Pettigrew, BSc PhD

**Lecturer**

David I. Cook, BSc(Med) MB BS MSc

**Tutors**

Lynne J. Cottey, BSc PhD  
Miriam I. Fabian, PhD *Lond.* BSc  
Vivian Fabricatorian, BSc *Beirut* MSc *Amer. U. Beirut*

**Professional Officer Grade III**

Donald J. Bowen, HNC *LiBiol Lond.* BA *Mitchell*  
*C.A.E.*, MRSH

**Professional Officer Grade II**

John W. A. Dodson, HNC *Lond.*, MIEEIE

## Honorary Appointments

### Research Affiliates

A. Anselin, BA *Macq.* MSc  
I. Hutchinson, BSc *Lond.* PhD *Leeds*  
J. M. Lingard, BSc *Qld* PhD

## Psychiatry

### Professors

Pierre Joseph Victor Beumont, MB ChB *Pret.* MSc *Oxf.*  
MPhil *Lond.* DMP, FRANZCP FRACP FRCPsych  
MRCP(UK)  
Appointed 1975  
Russell Ainslie Meares, MD BS *Melb.* DPM *Lond.*,  
FRANZCP FRCPsych  
Appointed 1985

### Associate Professors

Gordon F. S. Johnson, MB BS *Qld* DPM *Lond.*,  
FRCPsych FRANZCP  
Christopher C. Tennant, MD BS MPH DPM,  
MRCPsych MRANZCP

### Senior Lecturer

Ralph J. Schureck, MA DPM *Camb.* MB BS *Qld*  
MHPEd *N.S.W.*, FRCPsych MRANZCP

### Lecturer

Janice Russell, MB BS, FRACP MRANZCP

## Banks House, Bankstown District Hospital

### Clinical Lecturers (part time)

W. B. Andrews, MB BS, MRANZCP  
M. Giuffrida, MB BS, FRANZCP

## Cumberland Hospital

### Clinical Lecturers (part time)

C. Allcock, MB BS, MRANZCP  
C. S. Balaraman, MB BS *Madr.*, MRANZCP  
S. Choy, MB BS, MRANZCP  
K. A. Henson, MB BS, FRANZCP  
C. Kordick, MB BS, MRANZCP  
R. D. Motum, MB BS, MRANZCP  
G. J. M. Westerink, MB ChB *N.Z.* DPM *Melb.*,  
FRANZCP

## Lidcombe Hospital

### Clinical Lecturers (part time)

D. Learoyd, MB BS, MRANZCP  
S. Williams, MB BS, FRANZCP

## Macquarie Hospital

### Clinical Lecturers (part time)

W. A. Barclay, MSc *Col.* BSc(Med) MB BS DPM,  
FRANZCP  
S. K. Dutta, MB BS *Calc.* DPM *Lond.*, MRCPsych  
D. C. Ingham, MB ChB *Edin.* DPM *DHA Lond.*,  
FRANZCP MRCPsych  
R. Kaneyson, MB BS *Calc.* MPM *Malaya*, MRANZCP  
M. D. McGrath, MB ChB *Leeds* DPM, FRANZCP  
MRCPsych  
D. I. Nasser, MB BS DPM *Qld* MHP MHPEd *N.S.W.*,  
FRANZCP FRACMA MRCPsych  
A. Rosen, MB BS DPM, MRANZCP MRCPsych  
A. Smallman, MB BS, MRANZCP

## Northside Clinic (an affiliated teaching unit of the Department of Psychiatry)

### Clinical Lecturers (part time)

B. Glass, MB ChB *Cape T.*, MRANZCP  
K. Mayne, MB BS, FRANZCP MRCPsych

C. MacFie, MB ChB *Glas.* MPhil *Lond.* DPM, MRCP  
MRCPsych MRANZCP

R. Morstyn, MB BS *Monash* DipABPN *Harv.*,  
MRANZCP

A. Orsmond, MB BS *Lond.* DPM, FRANZCP  
MRCPsych MRCS LRCP  
J. Phillips, MB BS *Melb.* FRANZCP

## Palmerston Clinic—Hornsby Hospital

### Clinical Lecturers (part time)

W. Eaton, MB BS, MRCPsych MRANZCP  
P. Finlayson, MB BS, FRANZCP MRCPsych  
M. Jacobsen, MB BS, MRCPsych  
W. Jenneke, MB ChB *Cape T.*, MRANZCP  
M. Roberts, MB BS, MRANZCP

## Repatriation General Hospital, Concord

### Clinical Lecturers (part time)

B. Boman, MB BS, MRANZCP  
M. J. Fairley, MB BS, MRANZCP  
A. E. McCarron, MB BS, MRANZCP  
M. G. Roxanas, MB BS *N.S.W.* FRANZCP  
C. Smith, MB BS, MRANZCP  
P. Tucker, MB BS, FRANZCP

## Rozelle Hospital

### Clinical Lecturers (part time)

L. H. Barnes, MB BS DPM, FRANZCP MRCPsych  
C. Cullen, MSc *Lond.* MB BS, MRCP(UK) MRCPsych  
M. H. D. Johnson, MB ChB *Cape T.*, MRCPsych  
MRANZCP  
C. Kirby, MB BS, MRCPsych MRANZCP  
P. H. Merory, BM *DOMS Lond.* DPM, FRANZCP  
MRCS MRCPsych LRCP  
C. Thom, MB BS, MRANZCP

## Rydalmere Hospital

### Clinical Lecturers (part time)

R. Elliott, MB BS, MRANZCP  
R. D. Moorthy, MB BS *Madr.*, MRANZCP  
G. Murugesan, MB BS MPM *Malaya* BHA *N.S.W.*,  
FRANZCP FRACMA MRCPsych  
C. Sochan, MB BS, MRANZCP

## Royal North Shore Hospital

### Clinical Lecturers (part time)

R. Bartrop, MD *N.S.W.* DPM *R.C.P.* MB BS *Lond.*,  
FRACP MRCPsych MRANZCP  
M. Freeman, MB BS DPM, MRANZCP  
J. Greenwood, MB BS, MRANZCP  
R. Kaneyson, MB BS *Calc.* MPM *Malaya*, MRANZCP  
A. Rosen, MB BS DPM, MRANZCP MRCPsych  
J. G. Short, MB BS, FRANZCP  
J. H. Streimer, MB BS, MRANZCP  
J. A. Telfer, MB BS, FRANZCP  
J. A. Thompson, BSc MB BS, FRANZCP  
J. M. Vautin, MB BS DipEd, MRANZCP

## Royal Prince Alfred Hospital

### Clinical Lecturers (part time)

G. J. Barnes, MB BS, FRANZCP MRCPsych  
M. Bashir, MB BS, FRANZCP  
J. Bergen, MB BS, MRANZCP  
F. J. Buttsworth, MB BS, FRANZCP  
A. Campbell, MB BS, FRANZCP  
P. G. Churven, MB BS, FRANZCP  
R. Cooper, MB BS, FRANZCP MRCPsych  
R. Gertler, MB BS, FRANZCP  
A. Gilandas, BSc *Oregon* MSc PhD  
H. P. Greenberg, MB BS DPM, FRANZCP FRCPsych  
T. Hance, MB BS, MRANZCP  
M. Jennings, MB BS DPM, FRANZCP FRCPCan  
K. Kerr, MB BS DPM, MRANZCP MRCPsych  
J. Plapp, BA *Melb.* PhD *St Louis*

TEACHING STAFF:  
MEDICINE

## OFFICERS

J. Rey, MD PhD, MRANZCP  
I. Richards, MB BS, MRANZCP  
M. Schwarz, MB BS, MRANZCP  
H. H. Smartt, MB BS DPM, FRANZCP  
S. Touyz, BSc PhD *Cape T. BSc Witw.*  
R. B. Vickery, MB BS DPM, FRANZCP  
R. T. White, MB BS DPM, FRANZCP MRCPsych  
A. T. Williams, MPH *Yale BSc(Med)* MB BS, FRANZCP

### Westmead Hospital

#### *Clinical Lecturers in Psychiatry (part time)*

G. A. Edwards, MD MHA *N.S.W.* DPM, FRANZCP MRCPsych  
R. Garofali, MA DipPsychol  
R. Hampshire, MB BS, MRANZCP  
P. Morse, MB BS, FACMA MRANZCP  
M. Nicholas, MSc *Auck.* MPsychol  
A. Robertson, MB BS *Lond.* MRCS MRANZCP LRCP  
L. I. Segal, MD DPM, FAPA MRANZCP  
J. Stephenson, MB BS, MRANZCP  
G. J. M. Westerink, MB ChB *N.Z.* DPM *Melb.*, FRANZCP  
N. Whan, MB BS, MRCPsych  
R. W. White, MB BS DPM, FRANZCP MRCPsych

## Radiology<sup>1</sup>

### Lidcombe Hospital

#### *Clinical Lecturer in Radiology (part time)*

B. T. Hammond, MB BS, FRACR

### Repatriation General Hospital, Concord

#### *Clinical Lecturers in Radiology (part time)*

G. R. Faithful, MB BS DDR, FRACR FRCR  
S. C. Kos, MB BS, FRACR  
M. C. Schieb, PhC MB BS DDR, FRACR FRACP  
W. F. Sporr, MB BS DDR

### Royal Alexandra Hospital for Children

#### *Clinical Lecturers in Paediatric Radiology (part time)*

M. de Silva, MB BS *Ceyl.* DMRD *R.C.P.&S.*, FRACR  
A. H. Lam, MB BS *H.K.* DDU *Aust.Soc.Ult.Med.*, FRACR

### Royal North Shore Hospital

#### *Clinical Lecturers in Radiology (part time)*

S. A. Blome, MB BS, FRACR  
D. H. Brazier, MB BS, FRACR  
G. M. Briggs, MB BS, FRCR  
G. K. Chapman, MB BS, FRACR  
A. J. Fulton, MA MB BChir *Cantab.* DDU, FRCR FRACR  
V. S. Grinnell, BA *Harv.* MD *U.S.C.*  
J. H. Hunt, MB BS, FRACR  
M. W. Jones, DDU *Aust.Soc.Ult.Med.* BSc(Med) MB BS, FRACR  
P. K. Macintosh, DDU *Aust.Soc.Ult.Med.* MB BS, FRACR  
J. Roche, MB ChB *Liv.*, FRACR  
W. A. Sorby, MB BS DDR, FRACR

### Royal Prince Alfred Hospital

#### *Clinical Lecturers in Radiology (part time)*

J. M. Hallinan, MB BS, FRCR FRACR  
L. J. Harding-Smith, MB BS DDR, FRACR  
P. Ingle, MB BS, FRACR  
T. S. Lamond, MB BS DDR, FRACR  
B. A. Markell, MB BS, FRCR FRACR MRCP(UK)  
G. S. Peretz, MB BS, FRACR

J. P. Raleigh, MB ChB *Otago* DDU *Aust.Soc.Ult.Med.*, FRACR  
J. F. Ryan, DDU *Aust.Soc.Ult.Med.* MB BS, FRACR  
K. J. Sherbon, DDU *Aust.Soc.Ult.Med.* MB BS DDR, FRACR FRCR  
M. E. B. Stewart, MB DS DDR, FRACR  
A. B. Thiele, DDU *Aust.Soc.Ult.Med.* MB BS DDR, FRCR FRACR  
R. C. Waugh, MB BS DDR, FRACR

### Westmead Hospital

#### *Clinical Lecturers in Radiology (part time)*

E. M. Broadfoot, DCH *Lond.* DDU *Aust.Soc.Ult. Med.* MB BS DDR, FRACR  
J. Read, MB BS, FRACR  
K. C. Simmons, MB BS, FRACR  
Y. S. Soo, MB BS *H.K.* DMRD *R.C.P.&S.*, FRACR  
M. Vowels, MB BS, FRACR  
K. P. Wong, MB BS, FRCR

## Radiotherapy<sup>1</sup>

### Repatriation General Hospital, Concord

#### *Clinical Lecturer in Radiotherapy (part time)*

B. W. McEwen, MB BS, FRACR FRCR

### Royal North Shore Hospital

#### *Clinical Lecturers in Radiotherapy (part time)*

B. J. Biggs, MB BS *Melb.* DTM&H, MRACR  
M. Holecek, MB BS, MRACR  
A. Mallik, MB BS *Calc.* DMRT *Lond.* FRCR  
R. T. H. Shephard, MB ChB *Oxt.* DMRT *Liv. & Lond.*, FRCR

### Royal Prince Alfred Hospital

#### *Clinical Lecturers in Radiotherapy (part time)*

D. Green, MB BS, FRACR FRACS FRCS  
J. K. Donovan, DMRT *Lond.* MB BS, FRACR  
P. J. Duval, MB BS, FRCR FRACR

### Westmead Hospital

#### *Clinical Professor of Radiotherapy*

Allan Ogilvie Langlands, BSc MB ChB DMRT *Edin.*, FRCR FRACR FRCSED

#### *Clinical Lecturer in Radiotherapy (part time)*

K. W. Tiver, MB BS, MRACR

## School of Public Health and Tropical Medicine

[See 'Other units' at the end of the Faculty of Medicine section]

## Surgery

### *Bosch Professor*

Gerald White Milton, MB BS *Adel.*, FRCS FRACS  
Appointed 1966

### *Professor of Orthopaedics and Traumatic Surgery*

Thomas Kinman Fardon Taylor, DPhil *Oxf.* MB BS, FRCS FRCSED FRACS  
Appointed 1969

### *Professors*

Thomas Smith Reeve, CBE, DDU *Aust.Soc.Ult. Med.* MB BS, FACS FRACS Hon.FRACR  
Appointed 1974

John Miles Little, MD MS, FRACS  
Appointed 1977

<sup>1</sup> Not a department in the University

<sup>1</sup> Not a department in the University



James May, MB MS, FRACS FACS

Appointed 1979

Robert J. Lusby, BS *N.S.W.* MD *Brist. & N.S.W.*, FRCS  
FRACS

Appointed 1983

*Raymond E. Purves Professor (in the field of Transplantation)*

Ainslie Glenister Ross Sheil, BSc MA *Oxf.* MB MS *Qld.*,  
FRCS FRACS FACS

Appointed 1978

*Professor of Otolaryngology*

William Peter Rea Gibson, MD BS *Lond.*, FRCS  
(*Otolaryngology*)

Appointed 1983

*Director of the Raymond Purves Laboratories and Associate Professor*

Peter Ghosh, BSc *Lond.* PhD, FRACS ARIC

*Director of the Gordon Craig Urological Research Laboratories*

Paul M. Satchell, BSc(Med) MB BS PhD, FRACP

*Associate Professors*

E. Lesley Bokey, MB MS, FRACS

William H. McCarthy, MEd *Ill.* MB BS, FRACS

Janet McCredie, DMRD *Lond.* MD BS, FRCR FRACR  
(*Diagnostic Radiology*)

Frederick O. Stephens, MD MS, FRCSEd FACS  
FRACS

*Senior Lecturers*

Stephen A. Deane, MB BS, FRACS FRCS (temporary)

John P. Fletcher, MB BS *W.Aust.*, FRCS FRACS

John P. Harris, MB MS, FRCS FRACS

John E. Payne, MB BS, FRCSEd

Michael D. Ryan, MB BS, FRCSEd FRACS

Ross C. Smith, MD BS *N.S.W.*, FRACS

*Senior Lecturers (part time)*

Michael Appleberg, MB BCh *Witw.*, FCS(SA) FRACS

Christopher P. Bambach, MB BS, FRACS

Pierre H. Chapuis, MB DS *Qld.*, FRACS

Michael S. Stephen, MB BS, FRACS

*Clinical Senior Lecturer*

Peter F. Thursby, MB BS, FRACS

*Lecturer (temporary)*

Leigh W. Delbridge, BSc(Med) MD BS, FRACS

*Lecturer to Dental Students (part time)*

Nicholas A. Packham, BDS MB BS, FRACS

*Lecturer in Plastic Surgery (part time)*

Edward W. Gibson, MB MS, FRACS FACS

*Lecturers in Surgical Diseases of Children (part time)*

D. H. Cohen, MB BS, FRACS

A. W. Middleton, MB BS, FRCS FRACS

*Lecturers in Orthopaedics and Traumatic Surgery (part time)*

R. Higgs, MB BS, FRACS

Francis W. Marsden, MB BS, FRCSEd FRACS

Stephen Ruff, MB BS, FRACS

David H. Sonnabend, MB BS, FRACS

*Lecturers in Ear, Nose and Throat Surgery (part time)*

Bruce N. P. Benjamin, MB BS DLO, FRACS

J. H. Seymour, MB BS, FRCS FRACS

*Professional Officers Grade III*

Desmond Varga, DipIng *E.L. Bud.*

Douglas Mears, DipMT *S.T.C.*, FACBS FRMS MASM

## Honorary Appointments

*Research Affiliates*

O. Dent, MA PhD

G. Kossoff, BSc DEng

A. Sendel. MD *Justus Liebig*, FRACR

## Blacktown Hospital

*Clinical Lecturers in Surgery (part-time)*

C. G. Davis, MB BS, FRCS FRACS

D. Dunn, MB BS, FRACS

M. H. Ellis, MB BS, FRCS FRACS

M. Hughes, MB BS, FRACS

M. Malouf, MB BS, FRCS FRACS

L. Szabo, MB BS, FRCSEd FRACS

P. Tomlinson, MB BS, FRACS

P. Zelas, MB BS, FRCSEd FRACS

## Lidcombe Hospital

*Clinical Lecturers in Surgery (part time)*

F. J. Bonar, MB BS, FRACS FRCS

P. Catts, MB BS, FRCS FRACS

W. O. Sheilds, BSc MB ChB *Glas.*, FRCSEd

B. H. Stone, MB BS, FRCSEd

P. F. Thursby, MB BS, FRACS

S. K. C. Wong, MB BS, FRACS FRCSEd

*Clinical Lecturers in Ear, Nose and Throat Surgery (part time)*

O. Harrison, MB BS, FRACS

V. Rasa, MB BS *Cey.* DLO *Lond.*, FRCS

*Clinical Lecturers in Neurosurgery (part time)*

B. Kwok, MB BS, FRACS

J. Matheson, BA MB BS, FRACS

*Clinical Lecturers in Orthopaedic Surgery (part time)*

R. Clarke, MB BS, FRACS

W. Donaldson, MB BS, FRCS

G. Kalnins, MB BS, FRCSEd FRCS

J. Walsh, MB ChB *Otago*, FRCSEd FRCSGlas

*Clinical Lecturer in Reconstructive Surgery (part time)*

N. V. Sweeney, MSc MB BS, FRACS FRCSGlas

*Clinical Lecturers in Urology (part time)*

J. Boulas, MB BS, FRACS

P. Langdon, MB BS, FRCS

A. Mitterdorfer, MB BS, FRACS

## Macquarie Hospital

*Clinical Lecturers in Surgery (part time)*

D. E. Cam, MB BS, FRCS FRACS

S. Khan, MB BS *Osm.*, FRACS FRCSEd

## Mater Misericordiae Hospital, North Sydney

*Clinical Lecturers in Surgery (part time)*

F. H. D. Breslin, MB BS, FRCS FRACS

G. J. Coorey, MB BS, FRCS FRACS

M. K. Eagleton, MB BS, FRCS FRACS

I. R. Fielding, DPharm MB BS, FRCS FRACS

T. O'Connor, MB BS, FRCS FRACS

B. F. Sheridan, MB BS, FRCS FRCSEd FRACS

*Clinical Lecturers in Orthopaedic Surgery (part time)*

R. A. Elliott, MB BS, FRCS FRACS LRCP

F. J. Harvey, MB BS MChOrth *Liv.*, FRCS FRCSEd  
FRACS FACS

A. Hodgkinson, MB BS, FRCSEd FRACS FACS

J. P. H. Stephen, MB BS, FRCS FRACS

## Mt Druitt Hospital

*Clinical Lecturers in Surgery (part time)*

L. Boshell, MB BS *N.S.W.*, FRACOG MRCOG

L. Chang, MB BS, FRACS

A. de Costa, FRCS FRACS LRCPSI

TEACHING STAFF:  
MEDICINE

D. Hughes, MB BS, FRCS FRACS  
 R. Wilkinson, MB BS, FRCS FRACS  
 J. M. Wyllie, MB BS, FRCSEd FRACS

#### **Repatriation General Hospital, Concord**

##### *Clinical Lecturers in Surgery (part time)*

T. P. Aczel, MB BS, FRACS  
 H. Carmalt, MB BS, FRACS FRCSEd FRCS  
 P. H. Chapuis, MB DS *Old*, FRACS  
 R. C. Claxton, MB BS, FRCS FRCSEd FRACS  
 D. Dunn, MB BS, FRACS  
 D. J. Gillett, ChM *Liv*, MB BS, FRCS FRCSEd FRACS  
 A. C. Gray-Weale, MB BS, FRACS  
 R. J. Healey, MB BS, FRCS FFR FRACS MCRA  
 J. Hollinshead, MB BS, FRACS  
 W. J. Hughes, MB BS, FRCS FRACS  
 P. J. Kennedy, MB BS MDS, FRACDS FRACS  
 S. G. Koorey, MB BS, FRCS FRACS  
 J. E. Moulton, MB BS, FRCS FRCSEd FRACS  
 W. Patrick, MB BS, FRACS  
 M. T. Pheils, MA MB MChir *Camb.*, FRCS FRACS  
 LRCP

##### *Clinical Lecturers in Cardiothoracic Surgery (part time)*

D. K. Baird, BSc(Med) MB BS, FRCS FRACS  
 C. F. Hughes, MB BS, FRACS  
 B. McCaughan, MB BS, FRACS

##### *Clinical Lecturers in Ear, Nose and Throat Surgery (part time)*

O. J. Davies, MB BS DLO, FRACS  
 J. Szasz, MB BS DLO

##### *Clinical Lecturer in Neurosurgery (part time)*

N. Dan, MB BS, FRCS FRACS

##### *Clinical Lecturers in Orthopaedic Surgery (part time)*

R. J. E. D. Higgs, MB BS *Lond.* FRCSEd FRACS  
 (Orth)  
 K. Hume, MB BS, FRCS FRACS  
 W. P. Lennon, MB BS, FRACS  
 K. W. Walter, MB BS, FRCSEd FRACS

##### *Clinical Lecturers in Reconstructive Surgery (part time)*

T. R. M. Furber, MB MS, FRACS  
 P. Haertsch, MB BS, FRACS FRCSEd  
 A. W. Lewis, MB BS, FRACS

##### *Clinical Lecturers in Urology (part time)*

J. H. Alexander, MB BS, FRACS  
 A. Lalak, MB BS, FRCSEd FRACS  
 P. W. O. Maher, MB BS, FRCS FRACS  
 A. Mitterdorfer, MB BS, FRACS

#### **Royal Alexandra Hospital for Children**

##### *Clinical Lecturers in Paediatric Surgery (part time)*

D. H. Cohen, AM MS, FRACS  
 G. Cummins, BSc(Med) MB BS, FRACS  
 M. J. Glasson, MB BS, FRCS FRACS  
 J. G. Harvey, MB BS, FRCS FRACS  
 H. C. O. Martin, MB BS, FRACS FRCS  
 A. W. Middleton, MB BS, FRCS FRACS

##### *Clinical Lecturers in Paediatric Ear, Nose and Throat Surgery (part time)*

E. J. Beckenham, MB BS, FRACS FRCSEd  
 B. N. P. Benjamin, OBE, MB BS DLO, FRACS

##### *Clinical Lecturers in Paediatric Neurosurgery (part time)*

M. Besser, MB BS, FRCS FRACS  
 I. H. Johnston, MB ChB *St.And.* BSc, FRCS  
 FRCSGlas

##### *Clinical Lecturers in Paediatric Orthopaedic Surgery (part time)*

I. Barrett, MB BS, FRACS  
 M. D. Ryan, MB BS, FRCSEd FRACS  
 D. W. Whiteway, MB BS, FRCS FRCSEd FRACS FACS

##### *Clinical Lecturers in Paediatric Urology (part time)*

D. D. Arnold, MB BS, FRCS FRACS  
 R. D. Wines, MB BS, FRCS FRACS

#### **Royal North Shore Hospital**

##### *Clinical Lecturers in Surgery (part time)*

M. Appleberg, MB BCh *Witw.*, FCS(SA) FRACS FACS  
 C. P. Bambach, MD BS, FRACS  
 A. R. Brown, MB ChB *N.Z.*, FRCS FRACS  
 G. A. Cutler, BEc MB BS, FRCS FRACS  
 G. Douglas, MB BS, FRACS  
 M. K. Eagleton, MB BS, FRCS FRACS  
 I. R. Fielding, MB BS, FRCS FRACS  
 J. Graham, MB BS, FRACS  
 R. M. Hollings, MB BS, FRCS FRACS  
 P. B. Humphries, MB BS, FRCSEd FRCS FRACS  
 S. Khan, MB BS *Osm.*, FRACS FRCSEd  
 R. Lane, DDU *Aust.Soc.Ult.Med.* MB BS,, FRCS  
 FRCSEd FRACS  
 M. J. Morris, BSc(Med) MB BS, FRACS  
 J. P. Percy, MB BS, FRACS FRCS  
 B. Piper, MB BS, FRCSEd FRACS  
 A. G. Poole, MB BS, FACS FRACS  
 S. B. Rutkowski, MB BS  
 D. Stephenson, MB BS, FRACS FRCSEd  
 J. D. Yeo, MB MS, FRACS

##### *Clinical Lecturers in Cardiothoracic Surgery (part time)*

C. W. Deal, MB BS, FRCSEd FRCS FRACS  
 D. E. Ross, MB BS, FRCSEd FRACS

##### *Clinical Lecturers in Ear, Nose and Throat Surgery (part time)*

O. J. Davies, MB BS DLO, FRACS  
 A. C. Dowe, DLO *Lond.* MB BS, FRCS FRCSEd  
 FRACS  
 G. Lucchese, MB BS, FRCSEd FRCS

##### *Clinical Lecturers in Neurosurgery (part time)*

J. M. F. Grant, MB BS, FACS FRACS  
 R. G. Rushworth, MB BS, FRCS FRACS

##### *Clinical Lecturers in Orthopaedic and Traumatic Surgery (part time)*

K. R. Daymond, MChOrth *Liv*, MB BS, FRCSEd  
 FRACS  
 D. Dixon, MB BS, FRACS  
 F. J. Harvey, MChOrth *Liv*, MB BS, FRCSEd FRCS  
 FRACS  
 S. Ruff, MB BS, FRACS  
 R. W. D. Middleton, MB BS, FRCSEd FRACS  
 D. H. Sonnabend, BSc (Med) MB BS, FRACS

##### *Clinical Lecturers in Reconstructive Surgery (part time)*

R. Barnett, MB BS, FRACS  
 P. J. O'Keefe, MB BS, FRCS FRACS  
 J. Vanderwood, MB BS, FRACS

##### *Clinical Lecturers in Urology (part time)*

J. H. Alexander, MB BS, FRACS  
 F. Breslin, MB BS, FRACS  
 D. H. Keller, MB BS, FRCS FRACS  
 J. A. A. H. Saalfeld, MB BS, FRCS FRACS

#### **Royal Prince Alfred Hospital**

##### *Clinical Lecturers in Surgery (part time)*

A. A. Eyers, MB BS, FRACS  
 D. C. Glenn, BSc(Med) MB BS, FRCS FRACS

J. E. D. Goldie, MB BS, FRCS FACS FRACS  
 P. Halliday, MB BS, FRCS FRACS  
 D. Millons, MB BS, FRACS  
 B. P. Morgan, MB BS, FRACS  
 G. R. Nicks, OBE, MB ChM N.Z., FRCS FRCSEd  
 FRACS  
 F. W. Niesche, MB BS, FRCS FRACS  
 N. A. Packham, BDS MB BS, FRACS  
 S. B. Renwick, MB BS, FRCS FRACS FACS  
 L. M. Roberts, MB BS, FRCS FRACS  
 D. M. Sheldon, MB BS, FRCS FRACS  
 M. Stephen, MB BS, FRCS FRACS  
 G. Ramsey Stewart, MB BS, FRCS FRACS FRCSEd  
 FACS  
 D. W. Storey, MB BS, FRACS  
 R. West, MB BS, FRCS FRACS

*Clinical Lecturers in Ear, Nose and Throat Surgery (part time)*

G. M. Halliday, MB BS, FRCSEd  
 J. H. Lancken, MB BS, DLO, FRACS  
 D. Pohl, MB BS, FRACS  
 J. Scoppa, MB BS, FRACS  
 J. H. Seymour, MB BS, FRACS

*Clinical Lecturers in Hand Surgery*

A. E. D. Meares, MB BS, FRCS FRACS  
 R. Honner, MB BS, FRCS FRACS

*Clinical Lecturers in Neurosurgery (part time)*

M. Besser, MB BS, FRACS FRCS  
 N. W. C. Dorsch, MB BS, FRCS

*Clinical Lecturers in Orthopaedic Surgery (part time)*

I. Barrett, MB BS, FRACS  
 P. Holman, MB BS, FRACS  
 F. W. Marsden, MB BS, FRCS FRACS  
 H. D. D. Tyer, MB BS, FRACS

*Clinical Lecturers in Plastic and Reconstructive Surgery (part time)*

K. Lee, MB BS, FRACS  
 D. Pennington, MB BS, FRCS FRACS

*Clinical Lecturers in Thoracic Surgery (part time)*

D. K. Baird, BSc(Med) MB BS, FRACS FRCS  
 A. F. Grant, MB BS, FRCS FRACS  
 C. F. Hughes, MB BS, FRACS  
 B. D. Leckie, MB BS, FRCS FRCSEd  
 B. McCaughan, BSc(Med) MB BS, FRACS  
 D. Thompson, MB BS, FRACS

*Clinical Lecturers in Urology (part time)*

D. D. Arnold, MB BS, FRCS FRACS  
 J. Bouldas, MB BS, FRACS  
 G. J. Coorey, MB BS, FRCS FRACS  
 B. S. Pearson, MB BS, FRCS FRACS  
 J. Rogers, MB BS, FRCS FRACS  
 R. Wines, MB BS, FRACS FRCSEd FRCS

**Westmead Hospital**

*Clinical Lecturers in Surgery (part time)*

R. D. Allen, MB BS, FRACS  
 B. H. Barraclough, MB BS, FRACS  
 T. B. Comins, MB BS, FRCS FRACS  
 R. Campbell, MB BS, FRCSEd FRACS  
 D. G. Failes, MB BS, FRCS FRACS  
 S. J. Hazelton, MB BS, FRACS FRCS  
 M. J. Hollands, MB BS, FRCS FRACS  
 D. S. Johnson, MB BS, FRCS FRACS  
 I. Kalnins, MB BS, FRACS  
 I. C. O'Rourke, MB BS, FRCS FRACS  
 W. Roney, MB BS, FRCSEd FRCS  
 G. V. Shead, MB MS, FRCS FRACS

*Clinical Lecturers in Ear, Nose and Throat Surgery (part time)*

J. Currotta, BSc MB BS, FRACS  
 P. F. Kevin, MB BS, FRCS FRACS  
 P. W. Noyce, MB BS, FRACS

*Clinical Lecturer in Facio-Maxillary Surgery (part time)*

A. J. Coren, BDS, FDSRCS FDRCS

*Clinical Lecturers in Neurosurgery (part time)*

R. Chaseling, MB BS, FRACS  
 N. W. C. Dorsch, MB BS, FRCS  
 M. R. Fearnside, MB MS, FRACS

*Clinical Lecturers in Orthopaedic Surgery (part time)*

J. L. Cummine, MB BS, FRACS  
 P. J. McGrath, MB BS, FRCS FRACS  
 S. Nade, BSc MD BS, FRACS FRCS MRCP(UK)  
 D. W. Whiteway, MB BS, FRCS FRACS FACS  
 J. T. Wong, MB BS, FRACS

*Clinical Lecturers in Paediatric Surgery (part time)*

D. Cass, BSc(Med) MB BS, FRCS FRACS  
 J. Pitkin, MB BS, FRCS FRACS LRCP

*Clinical Lecturers in Reconstructive and Plastic Surgery (part time)*

G. P. Curtin, MB BS BDS, FRCS FRACS FRACDS  
 P. G. Thompson, MB BS, FRCS FRACS  
 G. N. Threlfall, MB BS, FRACS  
 V. Zielinski, MB BS, FRACS

*Clinical Lecturers in Thoracic Surgery (part time)*

T. B. Cartmill, MB BS, FRACS  
 D. C. Johnson, MB BS, FRACS  
 W. Meldrum-Hanna, MB BS, FRACS  
 G. Nunn, MB BS, FRACS

*Clinical Lecturers in Urology (part time)*

A. Brooks, MB BS, FRACS  
 M. Drummond, MB BS, FRCS FRACS  
 L. Hayden, MB BS, FRACS

**OTHER TEACHING STAFF**

**Diseases of the Ear, Nose and Throat**

*Lecturer*

Bruce N. P. Benjamin, MB BS DLO, FRACS

**Diseases of the Skin**

*Lecturer*

W. E. de Launey, MB BS DDM, FACD FRACP

**OTHER UNITS**

**Menzies School of Health Research**

*Robert Menzies Professor and Director*

John Duncan Mathews, BSc MD BS PhD Melb.,  
 FRACP

*Senior Lecturers*

Ian D. Gardner, BSc Flin. PhD A.N.U.  
 Hedley Peach, BSc MB BCh Wales PhD Lond.  
 K. S. Sriprakash, BPharm Andhra MPharm Banares  
 PhD (IIS, Bangalore)

**National Occupational Health and Safety Commission**

*Professor of Occupational Health*

David A. Ferguson, AM, MD BS, FRACP FFOM  
 FACOM  
 Appointed 1976

TEACHING STAFF:  
 MEDICINE

## OFFICERS

### *Associate Professor*

Grahame M. Budd, MD BS, FRACP (*Environmental Health*)

### *Senior Lecturer*

John R. Brotherhood, MB BS *Lond.* (*Environmental Health*)

### *Lecturers*

Anthony W. Findlay, BSc *N.S.W.* CIH *Amer.B.Ind.Hyg.*, MAIOH (*Occupational Hygiene*)

Michael S. Frommer, DOBst *R.C.O.G.* MB BS MPH, FACOM (*Occupational Health*)

Melvyn E. Henderson, BSc *Wales* MA *Melb.*, FTCPProdEng *C.G.I.* (*Environmental Health*)

Colin C. Reid, MB BS, FACOM (*Occupational Health*)

Alan J. Rogers, BSc *N.S.W.* MSc *N.S.W.&Lond.* CIH *Amer.B.Ind.Hyg.*, MAIOH (*Occupational Hygiene*)

Neill H. Stacey, BSc PhD *Adel.* (*Toxicology*)

### *Tutor*

Barbara J. McPhee, DipPhty *Aust.Physio.Asscn.*, MAPA (*Occupational Physiotherapy*)

## **School of Public Health and Tropical Medicine**

### *Director of the School*

Charles Baldwin Kerr, DPhil *Oxf.* MB BS, FRACP  
FFCM

### *Registrar of the School*

Vera Charnas, BA

### *Academic Registrar*

Susan Hudson

### *Librarian*

Susan Doyle, DipLib *C.C.A.E.* BA

### **Epidemiology and Biostatistics**

#### *Professor*

.....

### *Associate Professor*

Geoffrey Berry, MA *Cant.*, FIS (*Biostatistics*)

### *Senior Lecturer*

Leslie M. Irwig, BSc MB BCh PhD *Witw.*, FFCM  
FACEpi AFOM (*Epidemiology*)

### **Preventive and Social Medicine**

#### *Professor*

Charles Baldwin Kerr, DPhil *Oxf.* MB BS, FRACP  
FFCM

Appointed 1968

### *Senior Lecturer*

John P. Pierce, BSc *Monash* MSc *McM.* MA PhD *Stan.*  
(*Health Education*)

### *Lecturers*

Gregory B. Goldstein, MB BS, FRACP (*Preventive and Social Medicine*)

Chloe Refshaug, BA *Macq.* (*Health Services*)

### **Public Health Biology**

#### *Professor*

David Owen Sillence, MD *Melb.* MB BS, FRACP  
FRCPA

Appointed 1982

### *Senior Lecturers*

Robert S. U. Baker, BSc PhD *W. Aust.*, MASM (*Cell Biology*)

Janette C. Brand, BSc PhD *N.S.W.*, AAIFST (*Nutrition*)

John C. Walker, BSc(GenSc) MSc PhD (*Medical Parasitology*)

### *Lecturers*

Susan Ash, MHP *N.S.W.* BSc DipND (*Nutrition*)

Ian Darnton-Hill, MB BS *Adel.* DA *R.C.P.&S.* DipNut&Diet *Flin.* (*Nutrition*)

Patricia M. Desmarchelier, BAppSc. *Q.I.T.* PhD (*Public Health Biology*)

### **Tropical Health**

#### *Professor*

.....

### *Associate Professors*

Joan H. Bryan, AO, BSc *Qld* PhD *Lond.* (*Medical Entomology*)

Peter M. Moodie, MD BS DTM&H (*Tropical Health*)

Janice C. Reid, BSc *Adel.* MA *Hawaii* & C'nell PhD *Stan.* (*Medical Anthropology*)

### *Senior Lecturers*

Antonia Bagshawe, MB BS *Lond.* DTM&H *Liv.*, FRCP  
FRCPed (*Clinical Tropical Medicine*)

Richard C. Russell, MSc (*Medical Entomology*)

### **National Perinatal Statistics Unit**

#### *Senior Lecturer*

Paul A. L. Lancaster, MPH *Calif.* MB BS, FRACP  
(temporary)

### **Honorary Appointments**

#### *Emeritus Professor*

R. Black, ED, DTM&H *Liv.* MD BS DipAnth, FRACP

### *Honorary Associates*

Professor J. Biddulph, MB BS DTM&H DCh, FRCPed  
FRACP MRCP

A. R. Sweeney, MScAgr PhD

## **Research centres**

### **Children's Medical Research Foundation**

#### *Lorimer Dods Professor and Director*

Peter Brock Rowe, MD BS, FRACP

Appointed 1980

### *Senior Lecturers*

Peter W. Gunning, BSc PhD *Monash*

Peter L. Jeffrey, PhD *N.S.W.* DipEd *Monash* BSc

### *Lecturers*

Edna C. Hardeman, BA *Texas* PhD *Stan.*

Eric McCairns, BSc PhD *Glas.*

Geoffrey P. Symonds, PhD *Weizmann* MSc

### **Clinical Immunology Research Centre**

#### *Director and Professor of Immunology*

Antony Basten, MB BS *Adel.* DPhil *Oxf.*, FRCP  
FRACP FRCPA FTS

Appointed Professor 1975; Director 1982

### *Senior Lecturers*

Robert H. Loblay, MB BS PhD, FRACP

Robert L. Raison, BSc PhD *Monash*

Ronald J. A. Trent, DPhil *Oxf.* BSc(Med) MB BS PhD,  
FRACP FRCPA (*Molecular Biology*)

#### Senior Lecturers (honorary)

Paul A. Gatenby, MB BS PhD, FRACP FRCPA (temporary)

Karen Z. Walker, BSc *Well.* PhD *A.N.U.* (temporary)

#### Institute of Paediatric Endocrinology, Diabetes and Metabolism

Director and Professor

Martin Silink, MD BS, FRACP

#### Neurobiology Research Centre

Director and Professor of Physiology

Maxwell Richard Bennett, BE MSc PhD *Melb.* DSc, FAA

Appointed Director 1982; Professor 1983

### University administrative units in the teaching hospitals

#### Lidcombe Hospital

P. F. Thursby, MB BS, FRACS (*Warden of the Clinical School*)

#### Macquarie Hospital

M. D. McGrath, MB ChB *Leeds* DPM, FRANZCP MRCPsych (*Clinical Supervisor*)

#### Mater Misericordiae Hospital

R. F. O'Reilly, MB BS, FRACP (*Director, Division of Medicine*)

#### Northside Clinic

R. F. O'Reilly, MB BS, FRACP (*Director, Division of Medicine*)

#### Repatriation General Hospital, Concord

S. G. Koorey, MB BS, FRCS FRACS (*Warden of the Clinical School*)

O. Peiris, MD BS *Ceyl.*, FRACP MRCPed MRCP

#### Royal Alexandra Hospital for Children

R. C. Allen, MB BS, FRACS (*Temporary Lecturer*)

#### Royal North Shore Hospital

R. O'Reilly, MB BS, FRACP (*Warden of the Clinical School*)

C. P. Bambach, MD BS, FRACS

R. C. Edwards, MB BS, FRACP MRCP(UK)

#### Royal Prince Alfred Hospital

J. A. Burgess, MB BS, FRACP (*Warden of the Clinical School*)

D. K. Baird, BSc(Med) MB, FRACS FACS

A. Joasoo, BSc(Med) MD BS, FRACP

#### Rozelle Hospital

L. H. Barnes, MB BS, DPM, FRANZCP MRCPsych (*Clinical Supervisor*)

#### St Margaret's Hospital

D. Llewellyn-Jones, OBE, BA MD BCh MAO *Dub.*, FRCOG FRACOG (*Clinical Supervisor*)

#### Westmead Hospital

J. S. Gibson, MB BS, FRCOG FACOG FAGO (*Warden of the Clinical School*)

Elizabeth F. Linley, BA (*Administrative Officer*)

### FACULTY OF SCIENCE

### DEPARTMENTS OR SCHOOLS

#### Applied Mathematics

Professor

Peter Robert Wilson, BA MSc *Melb.* PhD, FRAS  
Appointed 1971

Reader

Alex H. Klotz, MSc PhD *Lond.* DSc, FRAS

Associate Professors

Edward D. Fackerell, MSc PhD

Alex Reichel, PhD *N.S.W.* MSc DipEd, FRAS

Denis E. Winch, MSc PhD, FRAS

Senior Lecturers

Peter W. Buchen, PhD *Camb.* BSc

Christopher J. Durrant, MA PhD *Camb.*

W. Barrie Fraser, BSc ME *Cant.* SM PhD *Harv.*

William G. Gibson, MSc *Cant.* PhD *N.S.W.*

Ronald W. James, BSc PhD

Leo Karlov, MSc

David E. Rees, MSc PhD

Lecturers

Christopher M. Cosgrove, BSc PhD

David J. Galloway, BA PhD *Camb.*

David J. Ivers, BSc PhD

Charles Macaskill, BSc PhD *Adel.*

Tutors

Graham B. Byrnes, BSc

Phillip C. Harmsworth, BSc *Monash*

#### Honorary Appointment

Honorary Associate

D.E. Robinson, MEng DSc *N.S.W.*

### Biochemistry

McCaughy Professor

Robert Gerard Wake, MSc PhD

Appointed 1976

Boden Professor of Human Nutrition

Arthur Stewart Truswell, MD ChB *Cape T.*, FRCP

FFCM FRACP

Appointed 1978

Professor

Philip William Kuchel, BMedSc MB BS *Adel.* PhD  
*A.N.U.*

Appointed 1980

Associate Professors

Arnold L. Hunt, BSc PhD *Adel.*

Alan R. Jones, PhD *Manc.* MSc

Michael A. Messer, MSc PhD *Melb.*

Michael B. Slaytor, MSc PhD

Senior Lecturers

Ivan G. Darvey, BSc PhD *N.S.W.*

Richard E. Loughlin, MSc PhD *Melb.*

M. Dan Montague, BSc PhD *Manc.*

Gregory B. Ralston, BSc *N.S.W.* PhD *A.N.U.*

David C. K. Roberts, BSc *Liv.* PhD *A.N.U.*

Michael A. W. Thomas, DPhil *Oxf.* BSc

Vivian K. L. Whittaker, MB BS *Qld* PhD *A.N.U.*

TEACHING STAFF:

MEDICINE

SCIENCE

*Senior Lecturer in the Human Nutrition Unit*  
Janette C. Brand, BSc PhD N.S.W., AAIFST (SPHTM)

#### *Lecturers*

Audrey M. Bersten, MSc  
Richard I. Christopherson, BSc PhD Melb.  
Simon B. Easterbrook-Smith, BSc Well. PhD Adel.

#### *Lecturers in the Human Nutrition Unit*

Susan Ash, MHP N.S.W. BSc DipND (SPHTM)  
Ian Darnton-Hill, MB BS Adel. DA R.C.P. & S.  
DipNut&Diet Flin. (SPHTM)

#### *Senior Tutors*

Sharon V. Cleland, BS Wheaton Coll. PhD North-western GradDipEdStudies Kuring-gai C.A.E.  
Michele A. Hanwell, MAppSc N.S.W.I.T.  
Joan P. Loke, GradDipEdStudies Kuring-gai C.A.E.  
MSc

#### *Tutors (half-time)*

Helen P. Hudson, PhD Stan. DipEd Mitchell C.A.E.  
BSc  
Philippa M. Lyons, BSc

#### *Professional Officer Grade IV*

Dennis R. Leonard, MSc

#### *Professional Officer Grade III*

John R. Alden, DipMT A.I.M.L.T., FAIMLS  
William A. Bubb, DIC Lond. BSc PhD  
Emil Trifonoff, DipMT A.I.M.L.T., AAIMLS

#### *Professional Officer Grade II*

Leonard Higginbottom, DipMT A.I.M.L.T., AAIMLS

#### *Administrative Officer*

Michael C. Miller, BSc N.S.W.I.T.

#### **Honorary Appointments**

##### *Honorary Associates*

B.A. Cornell, BSc PhD Monash DipElectroEng  
R.M.I.T.  
V.A. Lovric, MB BS, FRACP FRCPA FRCPath(U.K.)

## **Biological Sciences**

#### *Challis Professor of Biology*

Donald Thomas Anderson, AO, PhD Lond. DSc Lond.  
& Syd., FRS FIBiol  
Appointed 1972

#### *Professors of Biology*

John Alexander Thomson, MSc MAgrSc PhD Melb.  
Appointed 1979  
Norman Alan Walker, BSc Qld PhD Tas., FAA  
Appointed 1985  
Ian Douglas Hume, BSc(Agric.) PhD W.Aust. DSc N.E.  
Appointed 1987

#### *Readers*

Valerie B. Morris, BSc PhD Edin.  
John A. Sved, BSc PhD Adel.  
Antony J. Underwood, PhD DSc Brist., FIBiol

#### *Associate Professors*

Roger C. Carolin, BSc Lond. PhD  
A. Clive Crossley, BSc R'dg PhD Camb.  
Gordon C. Grigg, BSc Qld PhD Oregon  
Anthony W. D. Larkum, BSc Lond. DPhil Oxf., ARCS  
Mary Peat, BSc Birm. PhD Brist.  
Peter F. Sale, BSc MA Tor. PhD Hawaii

#### *Senior Lecturers*

William G. Allaway, MA Camb. PhD Lanc.  
Patricia J. Armati, MSc PhD  
Keith D. Brown, MSc Melb. PhD N.Y.  
Christopher B. Gillies, MAgrSc Qld PhD Alta  
Rosalind T. Hinde, BSc PhD  
Willem J. R. Lanzing, DrMath&NatSc Utrecht  
Anthony R. H. Martin, MA Camb. PhD Lond.  
Alfred W. Meats, BSc Durh. PhD N'cle (U.K.)  
(McCaughy Lecturer in Entomology)  
Peter J. Myerscough, MA DPhil Oxf.  
Richard Shine, BSc A.N.U. PhD N.E.  
Peter G. Valder, PhD Camb. BScAgr

#### *Lecturers*

Mary A. C. Besly, BA BSc PhD  
Richard A. Bradley, BSc MA Calif. State PhD New  
Mexico (fixed term)  
Daniel F. Catanzaro, BA Macq.  
Veronica H. K. Low, BSc PhD  
Robyn L. Overall, BSc N.S.W. PhD A.N.U.  
Garry R. Russ, BSc PhD Melb. (fixed term)

#### *Senior Tutors*

Barbara M. Bohdanowicz, BSc DipEd  
Gerald P. Quinn, BSc PhD Melb.

#### *Tutors*

Maura Boland, BSc Macq.  
Peter Dalmazzo, BSc  
Andrew Doust, BSc  
Lesley Hughes, BSc  
Peter Lockhart, BSc  
Kim Plummer, BSc DipEd N.E.  
John Reynolds, BSc Adel.  
Cheryl Watterson, BSc

#### *Professional Officers Grade III*

M. Gee Chapman, BSc Natal MSc  
Mark Curran, BSc(GenSc)  
Janice L. Jacobs, BSc(GenSc)  
Terence M. Mangan, BSc N.S.W.

#### *Curator of Zoological Collections (part time)*

Angela Low, BSc

#### *Administrative Officer*

Lyn Harrison, BA A.N.U. DipEd Syd. Teachers Coll.

#### **Honorary Appointments**

##### *Honorary Visitor*

Emeritus Professor Sir Rutherford Robertson, AC  
CMG, PhD Camb. DSc

##### *Emeritus Professors*

L.C. Birch, BAgrSc Melb. DSc Adel., FAA FAAAS  
M.G. Pitman, OBE, MA PhD ScD Camb., FAA  
S. Smith-White, DScAgr, FAA

##### *Visiting Professor*

Neil Willets, MA PhD Camb.

##### *Honorary Associates*

D.J.G. Griffin, MSc Well. PhD Tas.  
G.F. Humphrey, MSc PhD  
P.A. Hutchings, BSc Lond. PhD N'cle (U.K.)  
S. Jeffrey, MSc PhD Lond.

##### *Research Affiliates*

D. Bartels, BSc DipEd PhD N.S.W.  
J.R. Smith, BSc PhD N.S.W.  
T. Ward, BSc PhD A.N.U.  
C. Willoughby, BSc LaT. PhD Leeds

## Chemistry

*Professor of Chemistry (Inorganic Chemistry)*  
Hans Charles Freeman, MSc PhD, FAA FRACI  
Appointed 1971

*Professor of Chemistry (Theoretical Chemistry)*  
Noel Sydney Hush, DSc Manc. MSc, FAA FRACI  
Appointed 1971

*Professors of Chemistry (Organic Chemistry)*  
Sever Sternhell, PhD DSc DIC Lond. MSc, FRACI  
Appointed 1977  
Walter Charles Taylor, PhD DSc Manc. MSc, FRACI  
Appointed 1985

*Professor of Chemistry (Physical Chemistry)*  
Donald H. Napper, PhD Camb. MSc, FRACI  
Appointed 1985

*Readers*  
K. Sture J. Nordholm, FilKand Gothenburg PhD  
*Maryland (Theoretical Chemistry)*  
John T. Pinhey, PhD DSc, FRACI (*Organic Chemistry*)

*Associate Professors*  
Robert S. Armstrong, MSc PhD (*Inorganic Chemistry*)  
Manuel J. Aroney, OBE, MSc PhD, FRACI FRSCHEM  
CorrMembAcadAthens (*Inorganic Chemistry*)  
James K. Beattie, BA Prin. MA Camb. PhD North-  
western, FAAAS FRACI (*Inorganic Chemistry*)  
Robert G. Gilbert, PhD A.N.U. BSc, FRACI  
(*Theoretical Chemistry*)  
Robert J. Hunter, BSc PhD, FAA FRACI (*Physical  
Chemistry*)  
John C. Mackie, MSc PhD, FRACI (*Physical  
Chemistry*)  
Alexander V. Robertson, MSc Melb. PhD DSc, FRACI  
(*Organic Chemistry*)

*Director of First Year Studies*  
A. John Harle, MSc DipEd, FACE MRSChem ARACI

*Senior Lecturers*  
Maxwell J. Crossley, BSc PhD Melb., ARACI, CChem  
James M. Eckert, BA MSc PhD  
Leslie D. Field, BSc PhD, ARACI  
Richard K. Haynes, BSc PhD W. Aust., ARACI  
Julia M. James, BSc PhD Lond.  
Ernest F. McFarlane, BSc Melb. PhD DIC Lond.  
Robert K. Norris, DIC Lond. BSc PhD, FRACI,  
CChem  
Raymond K. Pierens, MSc PhD, MRSC ARACI  
Damon D. Ridley, BSc PhD, ARACI  
Mark G. Sceats, BSc PhD Qld  
Pieter E. Schipper, BSc Qld PhD A.N.U., ARACI

*Lecturers*  
Anthony R. Lacey, MSc PhD, ARACI  
Peter A. Lay, BSc Melb. PhD A.N.U., ARACI  
Anthony F. Masters, BSc Melb. PhD A.N.U., ARACI  
John B. Parise, BSc PhD James Cook  
Donald V. Radford, DipEd N.E. MSc PhD  
Richard Roper, BSc W. Aust PhD  
Alan J. Williams, MSc PhD, ARACI

*Senior Tutors*  
Trevor W. Hambley, BSc W. Aust. PhD Adel.  
Malcolm A. Hooper, BSc PhD  
John A. Rideout, BAppSc Cap.I.A.E. MSc PhD Qld

## Tutors

Gregory W. Allen, BSc  
Gillian Carter, BSc MED MPhil *E. Anglia* PhD *Wales*  
W. Bret Church, BSc *N.S.W.* DipEd *N.E.*  
Robert Dancer, BSc  
Ronald J. Denning, BSc PhD *N.S.W.*  
David Everett, BSc  
Thomas P. J. Garrett, BSc  
Andrew Katsifis, BSc  
Robert Kaziro, BSc *Mak.* MSc *N.S.W.*, ARACI  
John Kniha, BSc  
Philip B. Lukins, BSc  
Richard Mann, BSc  
Emilios Patsalides, BSc PhD *N.S.W.*  
Derek Pert, BSc *Flin.*  
Burkhard Raguse, BSc  
Stephen Toth, BSc

*Mathematical Analyst*  
George Bacskey, BSc *Melb.* PhD *Camb.*

*Professional Officer Grade IV*  
J. Mitchell Guss, BSc PhD (*X-ray Diffraction*)

*Professional Officers Grade III*  
Ian R. Brown, BSc PhD *N.S.W.*, ARACI (*Mass  
Spectrometry*)  
Alan K. McPhail, BAppSci C.C.A.E. (*Electronics*)  
Jacques L. E. Nemorin, MSc *Uppsala* PhD (*NMR  
Spectroscopy*)  
Michael P. Smyth, BSc(GenSc) (*Mass Spectrometry*)

*Professional Officers Grade II*  
Robert A. Binstead, BSc PhD (*Spectroscopy*)  
Hashim Durrani, DME *Karachi* (*Ultracentrifuge*)  
Kelvin Picker, BSc PhD, ARACI (*GLC and HPLC*)  
Bruce A. Rowe, BSc PhD (*NMR Spectroscopy*)  
V. Hoi Vu, BSc ME MScEng *N.S.W.* (*Instrumentation*)

*Professional Officer Grade I*  
Emil O. Siara, MSc *Bucharest Tech. Univ.* (*Electronics*)

*Queen Elizabeth II Research Fellows*  
David P. Millar, MSc *Melb.* PhD *Cal.Tech.*  
Jeffrey Reimers, BSc PhD *A.N.U.*

*Assistant to the Head of School*  
Jack Smith

**Honorary Appointments**  
*Professorial Fellow*  
D.J. Swaine, MSc *Melb.* PhD *Aberd.*, FRACI  
(*Inorganic Chemistry*)

*Honorary Associate*  
S. Hacopian, PhD DSc, FRACI FRSCHEM  
(*Physical Chemistry*)

*Research Affiliates*  
J.R. Kalman, BSc PhD (*Organic Chemistry*)  
J.V. Leyendekkers, BSc (*Physical Chemistry*)

## Basser Department of Computer Science

*Professor*  
.....

*Reader*  
Jennifer R. Seberry, BSc *N.S.W.* MSc PhD *LaT.*,  
FIMA MACS

TEACHING STAFF:  
SCIENCE

*Associate Professor*

Christopher C. Paige, PhD *Lond.* BSc BE

*Senior Lecturers*

Allan G. Bromley, BSc PhD

Norman Y. Foo, ME *Cant.* MA PhD *Mich.*

Donald Herbison-Evans, MA DPhil *Oxf.*

FRSchem FRAS MIEE

Doan B. Hoang, BE *W.Aust.* ME PhD *N'cle* (N.S.W.)

Hsuen Ren Hwa, BS *Natnl Taiwan* MS *Natnl*

*Chiao Tung (Taiwan)* PhD *Ott.*

Robert J. Kummerfeld, BSc PhD

Ian A. Parkin, BSc PhD *Adel.*

Nial C. Wareing, MSc

*Lecturers*

Bryden T. Allen, BSc *Lond.* PhD

Keith Brinck, BSc PhD

Gregory Butler, BSc PhD

Jason Catlett, BA

Lorraine Chim, BCBUSAdm *Taiwan* MBA *H.K.*

Alison M. Edye, BSc

Antony J. Gerber, BSc *N.S.W.* PhD

Judy Kay, MSc

Jozef P. Pieprzyk, MSc *Bydgoszcz* MSc *Torun* PhD *Warsaw*

George Politis, BSc

*Senior Tutors*

Stephen M. Russell, BSc

Gregory Ryan, BSc

*Tutors*

James A. Asthon, BMATH *W'gong*

Isabelle Carleton, MSc IngCompSc&Man *Langeudoc*

Linda Dawson, GradDipEngDev *N.S.W.* BSc

James Donovan, BA DipCompSc

Sue Halmagyi, BSc

Stephen Hirst, BSc

Conrad McKenzie, BSc

Francis B. O'Carroll, BSc

Nancy L. Rutherford, BSc *W.Aust* BA *Macq.* DipEd *N.E.*

Andrew Taylor, BSc

Keir Vaughan-Taylor, BSc

James H.C. Watts, BSc *S'ton* MSc *Kingston Poly.*

Serena Yeung, BSc

John Zic, BE

*Professional Officer Grade II*

Ronald Cullen, BE *N.S.W.*

*Administrative Officer (Registrar's Office)*

Jeannette B. Deitch, BA

**Honorary Appointments***Emeritus Professor*

John Makepeace Bennett, AO, BE(Civ)

BE(Mech&Elec) BSc *Qld* PhD *Camb.* ME, FTS

FACS FBCS FIEAust FIMA—Computer Science

*Honorary Associate*

M. Kassler, A.B. *Harv.* PhD *Prin.*

**Geography***McCaughey Professor*

Maurice Timothy Daly, BA PhD

Appointed 1976

*Professor*

Bruce Graham Thom, BA PhD *Louisiana State*

Appointed 1985

*Associate Professors*

Dennis N. Jeans, BA PhD *Lond.*

Robin F. Warner, BA *Birm.* PhD *N.E.*

*Senior Lecturers*

David E. M. Chapman, BA PhD

John Connell, BA PhD *Lond.*

Deirdre Dragovich, MA *Adel.* PhD

Ronald J. Horvath, BA *Calif. State* MA PhD *Calif.*

Andrew D. Short, MA *Hawaii* PhD *Louisiana State* BA

Philip D. Tilley, BA CertEd *Birm.* DrPhil *Bonn*

*Lecturers*

Paul Bishop, BA PhD *Macq.* (temporary)

Katherine D. Gibson, PhD *Clarke Coll.* BA

Barry O'Rourke, MA LittB *N.E.*

*Tutors*

Rochelle Ball, BA *N'cle* (N.S.W.)

Andrew Rawson, BSc *N.S.W.*

Coral Young, BSc *Macq.*

*Cartographer*

John E. Roberts

**Honorary Appointment***Emeritus Professor*

T. Langford-Smith, BA *Melb.* MSc *Adel.* PhD

*A.N.U.* BSc

*Research Affiliate*

P.S. Roy, BSc PhD *Lond.*

**Geology and Geophysics***Edgeworth David Professor of Geology and**William Hilton Hovell Lecturer*

Graeme Maxwell Philip, PhD *Camb.* DSc *Melb.*

FGS MAIMM

Appointed 1972

*Associate Professors*

David F. Branagan, MSc PhD, FGS

Donald W. Emerson, BE MSc *N.S.W.* PhD, FAIG

MAIMM

Charles V. G. Phipps, PhD *Tor.* BSc

Thomas G. Vallance, BSc PhD, FGS

Barry D. Webby, MSc *N.Z.* PhD DSc *Brist.*, FGS

Kenneth L. Williams, MSc *N.E.* PhD *A.N.U.*

*Senior Lecturers*

Alan A. Day, PhD *Camb.* BSc, FRAS

David A. F. Hendry, BSc *Aberd.* PhD *Camb.*

T. B. Huw Jenkins, BSc PhD *Wales*, FGS

John B. Keene, BAgEc *N.E.* PhD *Calif.* BSc

Evan C. Leitch, MSc *Auck.* PhD *N.E.*, FGS

Eric A. K. Middlemost, MSc PhD *Cape T.*

Kingsley J. Mills, BSc PhD *Adel.*

Jan J. Stienstra, MSc *Delft*

Ian M. Threadgold, MSc *W. Aust.* PhD *Wisc.*

Matthias Tomczak, DipOceanog DrRerNat *Kiel*

DrHabil *Hamburg*

Robin E. Wass, BSc *Qld* PhD

*Senior Tutor*

.....

*Tutors*

R. Armstrong L. Osborne, MSc

Sonja G. A. Willis, BSc *Macq.*



*Professional Officers Grade III*  
Rolf W. Beck, BSc  
Peter Kolbe, BSc *Cape T. PhD A.N.U.*

*Professional Officer Grade II*  
Gabor Z. Foldvary, MSc *N.S.W.*

**Honorary Appointments**  
*Emeritus Professor*  
C.E. Marshall, PhD *Durh. DSc Birm., FGS*  
MAustIMM

*Honorary Associates*  
B.V. Hamon, BSc BE  
R.J. Helby, MSc PhD  
I.S.F. Jones, BE *N.S.W. PhD Waterloo*

*Research Affiliates*  
J. Dulhunty, DSc  
I. Irvine, BSc PhD  
D. King, BSc *E.Anglia MSc DIC Lond. PhD*  
*A.N.U.*  
P. Mulhearn, BSc BE PhD

## Mathematical Statistics

*Professor*  
Eugene Seneta, MSc *Adel. PhD A.N.U., FAA*  
Appointed 1979

*Associate Professor*  
John Robinson, BSc *Qld PhD*

*Senior Lecturers*  
Malcolm P. Quine, MSc *Lond. PhD A.N.U.*  
Neville C. Weber, MSc PhD

*Lecturer*  
Howard J. D'Abrera, PhD *Calif. BSc*

*Senior Tutor*  
Philip Durham, MSc DipEd

*Tutor*  
Diana J. Gibson, BSc

## Mathematics

**Applied Mathematics**  
**Pure Mathematics**  
[See separate alphabetical listing]

## Pharmacy

*Professor of Pharmaceutical Chemistry*  
Thomas Robert Watson, MSc *N.Z. PhD, FRACI FPS*  
Appointed 1970

*Professor of Pharmaceutics*  
Ronald Alexander Anderson, BSc *AUA(Pharm) Adel.*  
PhD, FPS  
Appointed 1979

*Readers*  
H. T. Andrew Cheung, MSc *H.K. PhD DIC Lond.*  
*(Pharmaceutical Chemistry)*  
Adrian J. Ryan, PhD *Manc. MSc (Pharmaceutical*  
*Chemistry)*

*Associate Professors*  
Reginald G. Coombe, MSc *N.Z. PhD, MPS*  
*(Pharmaceutical Chemistry)*

Jack Thomas, MSc PhD *Manc., FPS (Pharmaceutical*  
*Chemistry)*  
Richard E. Thomas, MSc PhD, FPS *(Medicinal*  
*Chemistry)*

*Senior Lecturers*  
John J. Ashley, PhD *Calif. MSc, MPS*  
Kenneth F. Brown, MPharm PhD, MPS  
Igor Gonda, BSc PhD *Leeds, FRSCHEM*  
Gerald M. Holder, PhD *Lond. MSc, MPS*  
Douglas E. Moore, MSc PhD  
Brian J. Rawson, BSc PhD

*Lecturers*  
Lorna G. Cartwright, BA MSc, MPS  
David J. Cutler, PhD *Lond. BPharm MSc*  
Susan G. Owen, BAppSc *Tasmania C.A.E. PhD Tas.*  
DipHPharm  
Elizabeth Y.S. Yip, BS BPharm *Wash. State, MPS*

*Senior Tutor*  
Amanda Venables, BPharm DipHPharm, MPS

*Tutors*  
Stephen Carter, BPharm  
Victor Ferrari, BPharm, MPS  
Romano Fois, BPharm, MPS  
Peter Gray, MSc *Macq.*  
Carolyn J. Nelson, MS *Calif.*  
Anthony Reeder, MSc *N.S.W.*

*Professional Officers Grade IV*  
Warren A. Olsen, BPharm BCom *N.S.W. MSc, MPS*  
John H. Vine, MSc PhD *Manc.*

*Professional Officers Grade III*  
Ortwin Bode, DipPharm *Hamburg*  
Fred T.K. Wong, DipMedTech *S.T.C. BSc, FACBS*

## Physics

*Professor and Head of the School of Physics*  
Harry Messel, CBE, BA BSc *Qu. PhD N.U.I., FAAAS*  
Appointed 1952

*Professor of Physics (Theoretical Physics)*  
Donald Blair Melrose, BSc *Tas. DPhil Oxf.*  
Appointed 1979

*Professor of Applied Physics*  
Richard Edward Collins, PhD *N.Y. BSc*  
Appointed 1980

*Professor of Physics (Plasma Physics)*  
Maxwell Howard Brennan, AO, Hon.DSc *Flin. BSc*  
PhD

Appointed 1981  
Appointed Pro-Vice-Chancellor 1986

*Professor of Physics (Astronomy)*  
.....

*Professor of Physics (Astrophysics)*  
Lawrence Edward Cram, BSc BE PhD

*Readers*  
John Davis, BSc PhD *Manc.*  
Graham H. Derrick, BSc *Qld PhD*  
Michael I. Large, BA PhD *Camb.*

*Associate Professors*  
Robert G. Hewitt, BSc PhD  
John A. Lehané, BSc PhD  
Donald D. Millar, BSc *St. And. PhD N.U.I.*  
Lawrence S. Peak, BSc PhD  
Murray M. Winn, PhD *Birm. MSc*

TEACHING STAFF:  
SCIENCE

## OFFICERS

### *Director of First Year Courses*

Brian A. McInnes, MSc PhD *Qld BSc*

### *Senior Lecturers*

L. Roy Allen, BSc PhD *Manc.*  
 Ian M. Bassett, MSc PhD *Melb.*  
 Neil F. Cramer, BSc PhD  
 David F. Crawford, BSc PhD  
 Rodney C. Cross, BSc PhD DipEd  
 Ian S. Falconer, MSc *N.Z.* PhD *A.N.U.*  
 Richard W. Hunstead, BSc PhD  
 Brian W. James, BSc PhD  
 Ian D. S. Johnston, BSc *Qld* PhD  
 W. Bruce McAdam, MSc *N.Z.* PhD *Camb.*  
 David R. McKenzie, BSc PhD *N.S.W.*  
 Ross C. McPhedran, BSc PhD *Tas.*  
 Robert R. Shobbrook, BSc *St. And.* PhD *A.N.U.*  
 Anthony J. Turtle, BA PhD *Camb.*

### *Lecturers*

James B. T. McCaughan, MSc PhD  
 Bernard A. Pailthorpe, BSc *N.S.W.* PhD *Indiana*  
 Ian M. Sefton, MSc  
 William J. Tango, BS *Calif.* PhD *Colorado*  
 Juris Ulrichs, BSc PhD

### *Professional Officers Grade IV*

Andrew M. Bakich, MSc  
 G. Fergus Brand, MSc *Otago* PhD

### *Professional Officers Grade III*

Hendrik Bennis, BSc  
 John M. Durdin, BSc *Adel.* PhD *C'nell*  
 Laurence Horton, BSc *Lond.*  
 George C. Vorlicek, BSc PhD

### **Honorary Appointments**

#### *Emeritus Professors*

R. Hanbury-Brown, AC, BScEng DIC *Lond.* DSc  
*Manc.*, FRS FRAS FAA Hon.FNA Hon.FASc MIEE  
 B.Y. Mills, AC, BSc DScEng, FRS FAA  
 C.N. Watson-Munro, OBE, DSc *N.Z.*, FIP FAA MIEE

#### *Honorary Associates*

D.L. Jauncey, BSc PhD  
 R.N. Manchester, BSc *Cant.* PhD *N'cle(U.K.)*

## **Psychology**

### *McCaughey Professor*

Richard Annells Champion, MA *Iowa* BA, FASSA  
 Appointed 1965

### *Professors*

John Philip Sutcliffe, MA PhD, FASSA  
 Appointed 1966  
 Philip Ley, BA *Manc.* PhD *Liv.* DipPsychol *Lond.*,  
 FBPsS  
 Appointed 1980

### *Readers*

Dale M. Atrens, BA *Windsor* MA *Hollins* PhD *Rutgers*  
 Ian S. Curthoys, PhD *Monash* BA  
 Peter M. Wenderoth, MA PhD

### *Associate Professor*

John R. Maze, MA

### *Senior Lecturers*

Helen C. Beh, BA PhD *N.E.*  
 Brian D. Crabbe, BA PhD

Alan E. Craddock, BA PhD  
 V. Rae Hensley, BA *Qld* DipPsychol  
 David J. Ivison, BA DipPsychol  
 Eric G. Johnson, MA PhD  
 Terence McMullen, BA PhD  
 William W. Pitty, BA DipClinPsych *W. Aust.*  
 John M. Predebon, BA PhD  
 Susan H. Spence, BSc *R'dg* PhD *Birm.*  
 Lazar Stankov, MA *Belgrade* PhD *Denver*  
 Alison M. Turtle, MA  
 Michael B. Walker, BSc *W. Aust.* BA *Adel.* DPhil  
*Oxf.*  
 Peter H. Wilson, BA PhD *N.S.W.*

### *Lecturers*

Penelope J. Davis, BA PhD *Qld*  
 Raymond F.S. Job, BA PhD  
 Olga Katchan, BA  
 David J. Kavanagh, MA *Stan.* BA  
 Cyril R. Latimer, BA PhD  
 Roslyn H. Markham, MA PhD  
 Joel B. Michell, BA PhD  
 George W. Oliphant, BA  
 David L. Robinson, BSc *Ulster* DPhil *Oxf.*

### *Senior Tutor*

Ann E. Snell, BA *Macq.*

### *Tutors*

Kate Baggs, BA  
 Michael Cain, BA  
 Ian J. Faulks, BA *N.S.W.* MSc *A.N.U.*  
 Valerie A. Gray, BA *Qu.*  
 Robert Heard, BA  
 Anthony J. Jenkins, BSc  
 Kerrie A. Pinkerton, BSc  
 Agnes Rappaport, BA MPPsychol  
 Diana Sansom, MA MPPsych *W. Aust.*  
 Susan L. Wearne, BA  
 Jennifer A. Woodward, BA DipPsych

### *Field Supervisors — Master of Psychology*

Amanda Baker, BA *N.S.W.* MPPsychol  
 Mary E. Burke, BA MPPsychol *N.S.W.* MA *Macq.*  
 Rocco D. Crino, BSc *N.S.W.* MPPsychol  
 Francis Flannery, BSc MPPsychol *N.S.W.*  
 Roberto Garofali, MA DipPsychol  
 Samuel Grosvenor, BA *Macq.* MPPsychol  
 Julie Hendy, MA *Melb.*  
 Megan N. Jones, MA DipPsychol  
 Thomas W. Jones, BSc *N.S.W.* MPPsychol  
 Skye McDonald, MA *Melb.*  
 Michael K. Nicholas, BSc *Otago* MSc *Auck.*  
 MPPsych *N.S.W.*  
 Wayne G. J. Reid, BA *R'dg* MPPsychol  
 Nicolina Rotundo, BA MPPsychol  
 Christine Senediak, BA *Macq.* MPPsychol  
 Arthur Shores, MA *Melb.*  
 Stephen W. Touyz, BSc PhD *Cape T.* BSc *Witw.*

### *Administrative Officers*

Peggy Hume, BA  
 Anthony J. Zanderigo, BA *N.S.W.*

## **Pure Mathematics**

### *Professors*

Gordon Elliott Wall, BSc *Adel.* PhD *Camb.*, FAA  
 Appointed 1965  
 Gregory Maxwell Kelly, BA PhD *Camb.* BSc, FAA  
 Appointed 1973

#### **Readers**

Donald W. Barnes, DPhil *Oxf.* BSc  
John J. Cannon, MSc PhD  
Samuel B. Conlon, MA PhD *Camb.* BSc  
Michael J. Field, BA *Camb.* PhD *Warw.*  
Tzee-Char Kuo, BS *Natnl Taiwan* PhD *Chic.*  
Gustav I. Lehrer, PhD *Warw.* BSc

#### **Associate Professors**

Terence M. Gagen, BSc *Qld* PhD *A.N.U.*  
John M. Mack, BA *Camb.* BSc PhD

#### **Senior Lecturers**

Geoffrey R. Ball, BA  
Donald I. Cartwright, PhD *Ill.* BSc  
Koo-Guan Choo, BSc *Nan.* MSc *Ott.* PhD *Br. Col.*  
Joseph Hammer, Dipl *E.L.Bud.* MSc  
Philip B. Kirkpatrick, BA PhD  
John R. McMullen, BSc *A.N.U.* PhD *Wash.*  
Gordon P. Monro, BSc *Monash* PhD *Brist.*  
Donald E. Taylor, MSc *Monash* DPhil *Oxf.*  
Graham J. Tilly, BSc DipEd *Adel.* MSc  
Robert F. C. Walters, MSc *Qld* PhD *A.N.U.*  
James N. Ward, BSc PhD  
Karl H. Wehrhahn, BSc *Alta* PhD

#### **Lecturers**

Roger W. Eyland, PhD *Camb.* MSc  
Robert B. Howlett, BA PhD *Adel.*  
Nigel R. O'Brian, MA *Camb.* PhD *Warw.*

#### **Senior Tutors**

Humphrey M. Gastineau-Hills, MSc PhD  
Adrian M. Nelson, PhD *Lond.* BSc

#### **Tutors**

Gregory J. Bird, BSc *Qld* MSc PhD  
Sandra C. Britton, BSc *N.S.W.* MA  
Huy-Qui Bui, LèsSciMath *Saigon* DSc *Hiroshima*  
Jenny J. Henderson, DipEd *Flin.* MSc  
C. Barry Jay, PhD *McG.* BSc  
Michael S. J. Johnson, BSc DipEd

#### **Programmer**

James S. Richardson, PhD *Warw.* MSc

#### **Honorary Appointment**

*Honorary Affiliate*  
R.H. Street, BSc PhD

### **OTHER UNITS**

#### **Coastal Studies Unit**

*Director*  
Andrew D. Short, MA *Hawaii* PhD *Louisiana State*  
BA

#### **Chairman**

Bruce G. Thom, BA PhD *Louisiana State*

#### **History and Philosophy of Science**

*Senior Lecturer*  
Alan F. Chalmers, BSc *Brist.* MSc *Manc.* PhD *Lond.*

#### **Institute of Marine Ecology**

*Director*  
Antony J. Underwood, PhD DSc *Brist.*, FIBiol

#### **Associate Director**

Peter F. Sale, BSc MA *Tor.* PhD *Hawaii*

#### **Chairman**

Donald T. Anderson, AO, PhD DSc *Lond.&Syd.*, FRS  
FIBiol

### **Neurobiology Research Centre**

*Director and Professor of Physiology*  
Maxwell Richard Bennett, BE MSc PhD *Melb.* DSc,  
FAA  
Appointed Director 1982; Professor 1983

### **Ocean Sciences Institute**

*Director (part time)*  
Graeme M. Philip, PhD *Camb.* DSc *Melb.* FGS  
MAIMM

#### **Research Scientists (part time)**

John B. Keene, BAgEc *N.E.* PhD *Calif.* BSc  
Matthias Tomczak, DipOceanog DrRerNat *Kiel*  
DrHabil *Hamburg*

#### **Principal Research Fellow (part time)**

Gordon H. Packham, BSc PhD

#### **Research Fellows**

Peter T. Harris, BSc *Wash.* MSc PhD *Wales*  
Christopher J. Jenkins, BSc PhD *Camb.*

#### **Honorary Appointments**

*Research Affiliates*  
B.V. Hamon, BSc BE  
P.J. Mulhearn, BSc BE PhD  
D.L. Wilkinson, BE PhD *N.S.W.*

## **FACULTY OF VETERINARY SCIENCE**

### **DEPARTMENTS**

#### **Animal Husbandry**

*Sydney*  
*Professor*  
David Ross Fraser, PhD *Camb.* BVSc  
Appointed 1986

#### **Reader**

Donald M. Walker, MSc *Lond.* BSc PhD *R'dg*

#### **Senior Lecturers**

John R. Mercer, BSc *W.Aust.* PhD *Camb.*  
Christopher Moran, PhD *A.N.U.* BSc  
Frank W. Nicholas, PhD *Edin.* BScAgr

#### **Lecturer**

Gareth Evans, BA *Oxf.* PhD

#### **Honorary Appointments**

*Honorary Associate*  
R.J. Scaramuzzi, BScAgr PhD

#### **Research Affiliate**

J.R. Parks, MS *Case Reserve* DScAgr

#### **Camden**

*Professor*  
Ernest Frank Annison, PhD DSc *Lond.*, FRSCChem  
Appointed 1974

#### **Reader**

Jane M. L. Leibholz, MS PhD *Iowa* DAgSc *Melb.*

*Associate Professor and William McIlrath Fellow*  
Roy C. Kellaway, BSc(Hort)*Lond.* PhD *N.E.* DTA *W.I.*

TEACHING STAFF:  
SCIENCE  
VETERINARY SCIENCE

**Associate Professors**

Derick Balnave, PhD DSc *Belf.*, FRSCChem  
 Graham H. McDowell, BAgSc *Melb.* PhD  
 Neil W. Moore, MAgrSc *Melb.* PhD *Camb.*

**Garland Senior Lecturer**

Bevan G. Miller, BVSc PhD

**Senior Lecturer**

James M. Gooden, BAgSc *Adel.* PhD

**Lecturer**

Wayne L. Bryden, MRurSc DipEd *N.E.* PhD

**Honorary Appointments****Honorary Associates**

G. J. Faichney, PhD DAgSc *Melb.* MScAgr  
 J. P. Hogan, BScAgr PhD *Aberd.*

**Veterinary Anatomy****Professor**

.....

**Associate Professor**

Brian R. H. Farrow, BVSc PhD, FACVSc

**Senior Lecturers**

Clive R. E. Hainan, MA VetMB *Camb.* PhD, FRCVS  
 MACVSc (on secondment to Karyotype Research  
 Laboratory)  
 Paul R. Hopwood, DipTertiaryEd *N.E.* BVSc PhD,  
 MRCVS  
 Patrick H. McCarthy, BVSc PhD *Qld* DrVetMed *F.U.*  
*Berlin* MVSc

**Part-time Tutors**

Rhonda B. Canfield, BVSc  
 Howard S. Mychael, BVSc  
 Glenn M. Shea, BVSc

**Honorary Appointments****Emeritus Professor**

Rex M. Butterfield, PhD DVSc *Qld* MVSc, FACVSc—  
 Veterinary Anatomy

**Research Affiliate**

V.E. Osborne, BVSc Hon.MVSc, MACVSc

**Veterinary Clinical Studies****Sydney****Professor**

Marshall John Edwards, MVSc *Liv.* PhD DVSc,  
 MRCVS MACVSc  
 Appointed 1975

**Associate Professor and Superintendent of the  
Veterinary Hospital and Clinic**

.....

**Associate Professors**

Christopher R. Bellenger, BVSc PhD, FACVSc MRCVS  
 Reuben J. Rose, BVSc PhD DipVetAn, FRCVS FACBS  
 MACVSc  
 A. David J. Watson, BVSc PhD, FRCVS FAAVPT  
 MACVSc

**Senior Lecturers**

Phillip E. Davis, MVSc, MRCVS  
 Jan E. Ilkiw, BVSc PhD DipVetAn, MACVSc  
 William L. Porges, HDA *Hawkesbury Agric. Coll.*  
 DipEd(Tert) *Darling Downs I.A.E.* BVSc PhD,  
 MRCVS  
 Andrew K. W. Wood, PhD *Melb.* MVSc DipVetRad,  
 FACVSc

**Lecturers**

David B. Church, BVSc PhD  
 Kenneth A. Johnson, MVSc PhD, FACVSc FACBS

**Clinical Registrar**

Robert C. C. Ratcliffe, BVSc MRCVS MACVSc

**Clinical Residents**

Simon C. Roe, BVSc *Qld* MVSc *Melb.*  
 Rory J. Todhunter, BVSc DipACVS *Amer.Coll.Vet.Surg.*

**Professional Officer, Grade II**

Robert A. Waters, DipMT *A.I.M.L.T.*, AAIMLS AAIST

**Honorary Appointment****Honorary Associate**

C.R. Howlett, BVSc PhD, MRCVS MACVSc

**Camden****Professor**

John Ross Egerton, BVSc *Qld* DipBact *Lond.* DVSc,  
 MACVSc MASM  
 Appointed 1972

**Associate Professor and Superintendent of the  
Rural Veterinary Centre**

David R. Hutchins, BVSc, MACVSc

**Associate Professor**

Trevor J. McClure, BVSc PhD, MACVSc

**Senior Clinical Instructor**

Ronald H. J. Hyne, BVSc, MACVSc

**Senior Clinical Veterinary Pathologist**

Kenneth G. Johnston, DipBact *Lond.* BVSc, MACVSc  
 MASM

**Senior Lecturers**

Garry M. Cross, MVSc PhD  
 Anthony W. English, RFD, BVSc PhD *Qld*, MACVSc  
 Bruce C. Farquharson, BVSc *Qld* PhD *Massey*, FACVSc  
 MACVSc  
 Robert J. Love, PhD *Brun.* MVSc, FACVSc  
 Robert J. Rawlinson, BVSc DipVetRad, FACVSc

**Lecturers**

Robert J. Dixon, PhD *Massey* BSc(Vet) BVSc  
 Gary M. Good, MVSc PhD

**Senior Tutor**

Sally Church, BVSc

**Clinical Residents**

Debbie J. Edwards, BVSc DipVetClinStud  
 Stephen A. McClintock, MVSc

**Professional Officer, Grade III**

Evan E. Lephed, DipMT *A.I.M.L.T.*, FAIMLS FACBS

**Professional Officer Grade II**

Noel F. Jones, DipMT *A.I.M.L.T.*, AAIMLS

**Honorary Appointment****Research Affiliates**

K.G. Haughey, BVSc, MACVSc  
 J. B. Mattick, PhD *Monash* BSc

**Veterinary Pathology****Hughes Professor**

Clifford Harold Gallagher, PhD *Lond.* DVSc, FACVSc  
 FRCPath  
 Appointed 1966

### *Associate Professors*

Daria N. Love, BVSc PhD, MRCPATH MASM  
Terence L. W. Rothwell, BVSc PhD, MACVSc  
J. Margaret Sabine, MSc *Melb.* PhD *Lond.*,  
Hon. FACVSc MASM

### *Senior Lecturers*

Paul J. Canfield, BVSc PhD, MACVSc  
G. Henry Collins, BVSc *Brist.* PhD *Massey*, MRCVS

### *Lecturer*

Linda Herbert, BVSc

### *Tutors*

Janet D. Moore, BVSc DipVetPath  
Christopher J. Oxenford, BVSc DipVetPath

### *Senior Research Assistant*

Vivienne G. Reeve, BSc PhD

### *Wellcome Research Fellow*

Nicholas C. Sangster, BSc(Vet) BVSc PhD

### *Professional Officers Grade II*

David L. Griffin, DipMT *A.I.M.L.T.*, AAIMLS  
Jindrick Raus, BSc *W'gong*

### **Honorary Appointments**

#### *Honorary Associates*

J.C. Boray, DVM PhD *Bud.*, FACVSc  
J.K. Dineen, PhD DSc *Adel.*

## **Veterinary Physiology**

### *Professor*

Donald Alexander Titchen, MA PhD ScD *Camb.* BVSc  
Appointed 1979

### *Readers*

Ian C. A. Martin, BVSc PhD, FRCVS MACVSc  
Ian G. White, PhD DSc

### *Associate Professor*

Grant M. Stone, BScAgr PhD

### *Senior Lecturer*

Angus A. Gidley-Baird, BSc *A.N.U.* PhD (on  
secondment to Australian Monoclonal Development  
Pty Ltd)

### *Lecturers*

Lindsay H. Heywood, BVSc PhD *Qld*  
Elizabeth Post, BSc PhD (fixed term)

### *Tutor*

Christina M. Murray, BScAgr

### *Professional Officer Grade IV*

Ronald M. Penn, OAM, DipMT *A.I.M.L.T.*, FRMS  
FACBS AAIMLS

### **Honorary Appointment**

#### *Emeritus Professor*

C. W. Emmens, PhD DSc *Lond.* Hon.DVSc, FSS FAA  
Hon.FACVSc FIBiol CBiol

## **OTHER UNITS**

### **Animal Houses**

#### *Director*

W. Graeme Cotton, DVSM *Edin.* BVSc PhD

## **University Farms**

### *Director (Camden)*

Elizabeth A. Kernohan, MScAgr PhD

### TEACHING STAFF:

SCIENCE

VETERINARY SCIENCE

## Other than faculty

### Centre for Continuing Education

#### *Director*

Derek G. Peat, BA *York (U.K.)* MA

#### *Lecturers*

Wayne M. Hooper, BA *Tas.*

Laurice Penfold, BA DipSocStud *Melb.*

#### *Administrative Officer*

Grant Walter, BA *Adel.* MA *N.S.W.*

### Graduate School of Management and Public Policy

#### *Arthur Young Professor*

Murray C. Wells, MComm *Cant.* PhD, FASSA  
FASA, CPA

#### *Senior Lecturer*

Elizabeth J. Savage, MSc(Econ) *Lond.* BSc(Arch)

Members of the staff are seconded from various departments throughout the University.

## Studies centres

### Accounting Research Centre

#### *Director*

Professor M. C. Wells (Accounting)

#### *Research Assistant*

Ms S. Pitakserikul, BA *Bangkok MBA N.S.W.*

### Asian Studies Centre

#### *President*

Dr M. J. van Langenberg (Indonesian and Malayan Studies)

#### *Secretary*

Mrs J. E. G. George (Social Work)

### Centre for European Studies

#### *Acting Director*

Associate Professor S. M. Jack (History)

#### *Assistant Director*

Dr F. J. Ravenhill (Government and Public Administration)

#### *Secretary*

Dr R. Aldrich (Economic History)

#### *Treasurer*

Dr J.-P. Descoeudres (Archaeology)

### Centre for Human Aspects of Science and Technology

#### *Director*

Associate Professor A. Reichel (Applied Mathematics)

#### *Assistant Director*

Dr B. T. McCaughan (Physics)

#### *Secretary*

Dr D. E. Rees (Applied Mathematics)

#### *Treasurer*

Dr K. O'Connor (Counselling Service)

### Marine Studies Centre

#### *Director*

Professor B. G. Thom (Geography)

*Co-Ordinator Research Programmes*  
Associate Professor P. Sale (Biological Sciences)

*Co-Ordinators Teaching Programme*  
Dr R. Hinde (Biological Sciences)  
Dr M. Tomczak (Geology and Geophysics)

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# Foundations

TEACHING STAFF:  
OTHER THAN FACULTY  
STUDIES CENTRES/  
FOUNDATIONS

## **Accounting and Finance Foundation**

*Chairman*

Mr D. M. Hoare

*Director*

Professor M. C. Wells

## **Birth Defects Foundation**

*Chairman*

.....

*Director*

Professor M. J. Edwards

*Deputy Director*

Dr W. S. Webster

## **Chemical Engineering Foundation**

*Chairman*

Mr H. G. Babbage

*Deputy Chairman*

Dr A. K. Khorana

*Director*

Professor R. G. H. Prince

*Executive Officer*

Mr T. Savage

## **Civil and Mining Engineering Foundation**

*Chairman*

Mr R. P. R. Chadwick

*Director*

Professor H. G. Poulos

*Assisting the Director*

Mr I. Bowie

## **Dairy Husbandry Research Foundation**

*Chairman*

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*Deputy Chairman*

Mr R. B. Whan

*Director*

Professor E. F. Annison

*Secretary*  
Mr P. J. Hewson

### **Dental Health Education and Research Foundation**

*President*  
Associate Professor G. G. Craig

*Vice-Presidents*  
Mr K. R. Powell  
Mr E. J. Wilkinson

*Business Manager*  
Mr C. Martyn

### **Earth Resources Foundation**

*Chairman*  
Dr C. Periam

*Deputy Chairman*  
Mr P. C. Dunn

*Director*  
Professor G. M. Philip

### **Electrical Engineering Foundation**

*Chairman*  
Mr P. T. Nicholson

*Deputy Chairman*  
Mr F. Brady

*Director*  
Professor H. K. Messerle

### **Research Foundation for Information Technology**

*Chairman*  
Mr B. Hannelly

*Director*  
Professor J. M. Bennett

### **Foundation for Inorganic Chemistry**

*Chairman*  
Dr A. Boden

*Director*  
Professor H. C. Freeman

### **Frederick May Foundation for Italian Studies**

*Chairman*  
Mr E. Daneo

*Deputy Chairman*  
.....

*Director*  
Professor G. Rizzo

*Honorary Secretary*  
Mrs B. McGilvray

### **Graduate School of Management and Public Policy Foundation**

*Chairman*  
.....

*Director*  
Professor M. C. Wells

### **Medical Foundation**

*President*  
Sir Robert Crichton-Brown

*Honorary Secretary*  
Mrs M. A. Gardiner-Hill

### **Melanoma Foundation**

*Chairman*  
Mr W. J. Trotter

*Deputy Chairman*  
Mr A. E. Harris

*Director*  
Associate Professor W. H. McCarthy

*Deputy Director*  
Professor G. Milton

### **Near Eastern Archaeology Foundation**

*Chairman*  
.....

*Chairman*  
Professor J. B. Hennessy

### **Nutrition Research Foundation**

*Chairman*  
Mr E. Bond, MBE

*Director*  
Professor A. S. Truswell

### **Peripheral Nerve Research Foundation**

*Chairman*  
Mr G. W. E. Barraclough

*Director*  
Professor J. G. McLeod

### **Pharmacy Practice Foundation**

*President*  
Mr W. J. Wilkinson

*Deputy President*  
Mrs V. Richardson

*Director*  
Professor R. A. Anderson

*Executive Officer*  
Associate Professor R. E. Thomas

*Field Officer*  
Mr J. Chalker

### **Planning Research Centre**

*Chairman*  
Mr J. P. McAuley

*Director*  
Professor M. T. Daly

### **Poultry Husbandry Research Foundation**

*Chairman*  
Mr B. S. Bains

*Deputy Chairman*  
Mr D. J. Ebbott



*Director*  
Professor E. F. Annison

*Secretary*  
Mr P. J. Hewson

### **John Power Foundation for Fine Arts**

*Chairman*  
Mr M. Sinclair

*Deputy Chairman*  
Mr R. C. Crebbin

*Director*  
Professor V. M. Spate

### **Save Sight and Eye Health Institute**

*Director*  
Professor F. A. Billson

*Chairman*  
Mr T. Wilson

### **Science Foundation for Physics**

*Chairman*  
Mr R. J. Kirby

*Deputy Chairman*  
Mr J. R. Slade

*Director*  
Professor H. Messel

*Secretary*  
Miss R. Knight

### **J. D. Stewart Veterinary Science Foundation**

*Chairman*  
.....

*Secretary*  
.....

### **Postgraduate Foundation in Veterinary Science**

*Chairman*  
Mr A. T. Reid

*Director*  
Mr T. G. Hungerford

*Associate Director*  
Mr D. I. Bryden

### **Warren Centre for Advanced Engineering**

*Chairman*  
Mr N. Chidgey

*Deputy Chairman*  
.....

*Executive Director*  
Associate Professor J. R. Glastonbury

*Executive Officer*  
Ms E. Hurst

## **Academic services**

FOUNDATIONS  
ACADEMIC SERVICES

### **Centre for Teaching and Learning**

*Director*  
Michael J. Dunkin, PhD *Qld* BA

*Senior Lecturer*  
Jacqueline R. Lublin, BA BEd *Melb.* MEd *LaT.*

*Lecturer*  
Michael T. Prosser, BSc DipEd *Tas.* BEd *W.Aust.*  
MAppSc *W.A.I.T.*

*Director of the English for Migrant and Overseas Students Programme*  
Carolyn Webb, BA *Qld*

### **Electron Microscope Unit**

*Director*  
David J. H. Cockayne, MSc *Melb.* DPhil *Oxf.*,  
FAInstP

*Senior Electron Microscopists*  
Guy C. Cox, MA DPhil *Oxf.*  
Clive E. Nockolds, BSc *W.Aust.* DPhil *Oxf.*  
Maret L. Veski, BSc PhD

*Professional Officer Grade II*  
Oen B. Tio, BE *N.S.W.*

*Professional Officer Grade I*  
Ian J. Kaplin, MSc PhD *N.S.W.* BScChemEng

### **Language Study Centre**

*Director*  
Alex E. McAndrew, BA DipEd

### **Mathematics Learning Centre**

*Officer-in-Charge*  
Mary S. Barnes, MA *Aberd.* DipEd *Syd.* Teachers  
Coll. MSc

### **N. W. G. Macintosh Centre for Quaternary Dating**

*Professional Officer Grade IV*  
Michael F. Barbetti, BSc *W.Aust.* MSc *Manit.* PhD  
*A.N.U.*

### **Sample Survey Centre**

*Officer-in-Charge*  
Brian I. O'Toole, BSc PhD

# Museums

## Museum of Pathology

*Curator*

Graeme L. Morrison, DipMT *A.I.M.L.T.*, FAIMLS

## Raymond Bullock Veterinary Anatomy Museum

*Honorary Curator*

Raymond Bullock, DipMT *A.I.M.L.T.*, AAIMLS

## Power Gallery of Contemporary Art

*Curator*

Bernice L. Murphy, BA *Melb.* TSTC *Sec. Teach.Coll.(Melb.)*

*Director (Acting)*

Leon F. Paroissien, BA *Melb.* DipArt *Vic. Coll.(Pahran)* TSTC *Sec.Teach.Coll.(Melb.)* SATC *Melb. Teach.Coll*

*Gallery Registrar*

Kay Campbell, BA *Melb.* GradDipMusStud *Vic.Coll.(Rusden)*

*Gallery Promotions and Publicity*

Joyce Parszos

*Technical Officer*

Russell Barker, DipArt *City Art Inst.*

## Dental Alumni Society Museum

*Curator*

Sydney Levine, MDS, FRACDS

## Nicholson Museum of Antiquities

*Honorary Curator*

Professor Alexander Cambitoglou, BA *Thessaloniki MA Manc. PhD Lond. DPhil Oxf., FAthensArchaeolS FAHA FSA CorrMGerman ArchInst CorrMathensAcad*

*Museum Assistant*

Edward G. D. Robinson, BA

*Conservator*

Patricia A. Johnson

## Macleay Museum

*Committee of Management*

Professor Michael G. Taylor, MD BS *Adel.* PhD DSc *Lond.*, FRACP (Chairman)

Deputy Principal and Bursar

Head of the School of Biological Sciences

Challis Professor of Biology

University Archivist

Director of the Macleay Museum

*Director and Curator*

Peter J. T. C. Stanbury, OAM, BSc PhD *Adel.*, AMAA

*Research Fellow*

Donald S. Horning, BSc(For) MSc *Idaho PhD Calif.*

*Senior Technical Officer*

ANTHROPOLOGY

Lydia T. Bushell

*Officer-in-Charge*

HISTORIC PHOTOGRAPH COLLECTION

Alison Lea

*Technical Officers*

Alan B. Davies, BSc(For) *A.N.U.*

Judith Leon

## Wilson and Shellshear Museums

J. T. Wilson Museum of Human Anatomy and J. L.

Shellshear Museum of Comparative Anatomy and Physical Anthropology

*Curator*

Kenneth C. Parsons, DipMT *A.I.M.L.S.*, FAIMLS

# University of Sydney Library

## University Librarian

Neil Anthony Charles Radford, AM PhD *Chic.*  
DipLib N.S.W. BEc, FLAA

## Deputy University Librarian and Associate Librarian (Technical Services)

Barbara I. Troy, DipLib N.S.W. BA, ALAA

## Associate Librarian (Reader Services)

Joan E. Barry, BA *Qld*, ALAA

## Associate Librarian (Branch and Department Libraries)

Judith W. Waterer, MA *Sheff.* BA, ALAA

## Fisher Library

### Librarians

#### ADMINISTRATION

Catherine Tweedie, BA(OS) *A.N.U.* GradDipLib  
*C.C.A.E.*, ALAA

#### ACQUISITIONS

Louise Watters, DipLib N.S.W. BA (in charge)  
Glynis D. Burnett, BA *Natal* DipLib *Stell.* MA,  
ALAA  
Rosalind T. Walters, DipLib N.S.W. BA

#### CATALOGUING

Christine C. Wells, DipLib N.S.W. BA, ALAA (in  
charge)  
Joseph S. Buttigieg, MA *Malta*, ALAA  
Vera Cooks, BA *Bud.*  
Richard Goodwin, DipLib N.S.W. BA  
Dorothy L. Kass, DipLib N.S.W. BA DipEd, ALAA  
Pamela W. Green, DipLib N.S.W. BA, ALAA  
Charles Palmier, DD *St Thomas Aq.* DipLib N.S.W.  
Cherin M. A. Sauterel, BA *N.E.*, ALAA  
Graham B. Sellwood, MA *Lond.*, ALAA  
Barbara J. Willoughby, BA *N.E.*, ALAA  
Barbara M. Wilson, BA DipEd, ALAA

#### INFORMATION SERVICES

Catherine M. Sexton, DipLib N.S.W. BA, ALAA (in  
charge)  
M. Elizabeth Carey, BA *Macq.*, ALAA  
Philip Dixon, BA *Macq.*, DipLib N.S.W., ALAA  
Ian B. Duncan, BA  
Ann E. Groth, Bibliothekar *Danmarks*  
*Biblioteksskole*, ALAA

Philomena Lapsley, BA DipEd DipLib N.S.W. MA,  
ALAA

Ann R. Light, BA DipEd *Manc.* DipLib N.S.W.  
Irene L. Rossendell, BA *Qld* DipLib N.S.W. ALAA  
Christobel Wescombe, DipLib N.S.W. MA, ALAA

#### LENDING SERVICES

Magdalen Lee, DipLib N.S.W. BA, ALAA  
Meryl R. Pannaci, BA, ALAA  
Robert Scott, BA *Qld* DipLib N.S.W. DipEd S.C.V.,  
ALAA

#### ORIENTAL LIBRARY

T. Kobayashi, BA LLB *Tokyo (Oriental Bibliogra-*  
*pher)*

#### RARE BOOK LIBRARY

Trevor Mills, MA *Oxf.* GradDipLib *R.M.I.T.* (in  
charge)

#### SELECTION AND COLLECTION BUILDING

Jennifer M. E. Alison, MLib N.S.W. BA, ALAA (in  
charge)  
Pauline Dickinson, BA, ALAA  
Pamela J. Leuzinger, BA *Monash* DipLib N.S.W.  
DipJuris, ALAA

#### SERIALS

M. Joanne Threlfall, DipLib N.S.W. BA, ALAA (in  
charge)  
Robyn L. Benjamin, GradDipLib *Riverina C.A.E.*  
BA, ALAA  
Patricia M. Conder, BA, ALAA  
Carolyn M. Kearney, MA DipLib N.S.W., ALAA  
Bernadette T. Small, BA *Qld*, ALAA  
Rosalyn R. Taylor, DipLib *Kuring-gai C.A.E.* BA  
Jurgen P. Wegner, BA *Macq.*, ALAA

#### SPECIAL PROJECTS

Rhonda J. Barry, GradDipLib *Kuring-gai C.A.E.* BA  
DipEd  
Wendy E. R. Holmes, BA, ALAA  
William E. Ronan, BA N.S.W. GradDipLibSci  
*Kuring-gai C.A.E.*, ALAA

#### SYSTEMS OFFICE

Colin J. Newell, BSc DipCompSc *N'cle (N.S.W.)*  
John Pittard, BSc *N'cle (N.S.W.)* (in charge)  
Hassan Toloo, BSc *Flor. Atlantic*

## Branch libraries

### Librarians

#### BRANCH AND DEPARTMENT LIBRARIES OFFICE

Pamela M. Jenkins, BA(AS) *A.N.U.* GradDipLibSci  
*Kuring-gai C.A.E.*, ALAA

#### BADHAM

David J. Potter, BSc(Eng) DipLib N.S.W.,  
ADipCivEng *R.M.I.T.*, ALAA

#### CURRICULUM RESOURCES UNIT

K. M. Elizabeth Curach, BA(LibSc) *Kuring-gai*  
*C.A.E.*, ALAA

#### ECONOMICS (WOLSTENHOLME)

Gloria E. Muir, DipLib N.S.W. BA

#### ENGINEERING

Joan P. Morrison, BA MSLS *Western Reserve*,  
ALAA

## MUSEUMS LIBRARY

**OFFICERS****LAW SCHOOL**

Margaret H. McAleese, BA *Monash LLB A.N.U.*  
 DipLib *N.S.W.* (in charge)  
 Sarah Bishop, BA *N.S.W.* GradDipLib *Kuring-gai*  
*C.A.E.*

**MEDICAL**

Diana E. Kingston, DipLib *N.S.W.* BA, ALAA  
 Gwendoline M. Rafferty, BA *N.E.*, ALAA (in charge)  
 Jean A. Wall, BSc *Adel.* DipLib *N.S.W.*

*Other library staff in charge of branch libraries*

**ARCHITECTURE**

Frances D. Stark, BA, ALAA

**BURKITT (MEDICINE)**

Peter Timpson

**CAMDEN FARMS**

Nolene R. Baker, BA

**DENTISTRY**

Joan S. Thwaite, BA

**GEOGRAPHY**

Nola D. Emerson, BA *Riverina C.A.E.* LitB *N.E.*,  
 ALAA

**GEOLOGY**

Stephen J. Cozens, BSc *Macq.*

**MATHEMATICS**

Jeanette C. Ironside, DipLib *N.S.W.* BA

**MUSIC**

Alice Taylor, DME *N.S.W. State Cons. Mus.*

**PHYSICS**

Stephanie Betar, MA DipInfMan *N.S.W.*

Note: Other departmental libraries are staffed from  
 within the department concerned.

**Honorary Appointment****Research Affiliate**

Harrison Bryan, AO, MA *Qld.* Hon.LLD *Monash &*  
*Qld.*, FASSA FLAA

---

# Administration<sup>1</sup>

**Office of the Vice-Chancellor**

(John M. Ward)

**Executive Assistant**

Patricia M. Lahy, PhD *Belf.* BA

**Equal Employment Opportunity Coordinator**

Suzanne H. Jobson, BA DipEd

**Deputy Co-ordinator, Equal Employment Opportunity Unit**

Catherine M. Glass, BSc (Behav.Sc.) *Aston*

**Senior Research Officer**

Gretchen Poiner, BA PhD

**Secretary to the Vice-Chancellor**

Marie Sim

---

**Office of the Registrar and Deputy Principal**

(Keith L. Jennings)

**Deputy Registrars**

Arthur J. Mason, BA MED DipEd

Maxwell C. Schroder, MA *N.E.*, FAIM

Donald B. Smart, BA MED

**Assistant Registrars**

Timothy P. Beckett, MA *Dub.*

Charles S. Davidson, BSc *Edin.*

Peter R. Dodd, BA *N.S.W.*, MIPMA

Carlos Gonzalez, BEc

Suzanne H. Jobson, BA DipEd (on secondment to the  
 position of Equal Employment Opportunity Coordinator)

Simon C. R. Malcolm, BA, MIPMA

Christine F. Samojluk, BA

Robert L. Stead, BA (on secondment to the position of  
 Executive Officer, University of Western Sydney  
 Advisory Council)

**Executive Assistant**

G. A. Neil, BA DipEd

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<sup>1</sup> For Principal Officers of the University see page 15.

### Archivist

Kenneth E. Smith, BA *Macq.* DipArchivesAdmin  
N.S.W.

### Senior Administrative Officers

David I. G. Bowan, BA  
Natalie C. Downey, BA *Sus.*  
Christopher Edye, BA  
T. J. Herlinger, BEc  
Judith F. D. Holliday, MA  
Alexander Low, LLB *N.S.W.I.T.*, MEc DipLab  
Relations and the Law  
Kathleen M. McGovern, BA  
Patricia Miller, BSc PhD *Manc.*  
Margaret Sager, BA *Keele* DipAdmin *Kuring-gai*  
C.A.E.  
Geoffrey J. Woods, BA *Monash*

### Administrative Officers

Anne M. Bryant, BA  
John Buchanan, LLB *Auck.*  
G. S. Butlin  
Catherine M. Cahill, DipEd *N.E.* BA  
Ann Casimir, DipEd *Syd. Teachers Coll.* BA  
Prudence Castleden, BSc *N.E.* DipEd *Riverina*  
C.A.E.  
Catherine F. Clarke, LLB *N.S.W.I.T.*  
Ria Deamer  
Jeanette B. Deitch, BA  
Deborah L. Dukes, BA  
Elizabeth Egan, MA *N.S.W.* DipEd *Syd. Teachers*  
*Coll.* BA  
Timothy Evans, BSc *N.S.W.*  
Ashlyn J. Field, BA *N.S.W.* DipEd  
Lyn Harrison, BA *A.N.U.* DipEd *Syd. Teachers Coll.*  
Alfred B. M. James, BA  
Anthony M. James, BVSc  
Robert Jeffs, BA *Waterloo Lutheran University*  
K. Ross Kuhn, BA *Macq.*  
Malcolm J. Lennox, BSc *Lond.*  
Elizabeth F. Linley, BA  
Patricia M. Neill, BA  
Robyn L. Nuss, BA  
Raymond J. Patman, MA BEc  
Mary F. Pollard, BA  
Robert T. Pollock, BCom *Melb.*  
Erica R. Ring, MA  
Noel E. G. Rogers, MA  
Kim P. Schwieters, BA *Well.* MA  
Roderick L. Tindall, BA  
Jennifer M. Turner, MIPMA  
Hugh V. Wilson, BEc

### Staffing Officer

A. E. Shave, MBE QPM CPM

### Housing Officer

Anne L. Peek

### Administration Data Processing

#### Manager

Peter K. Buckman, FASA, CPA MACS

#### Deputy Manager

William M. Ewing, BEc

### Systems Analysts

Leslie Cramer, BAppSc GradDipBusAdmin  
*N.S.W.I.T.*, MACS  
Parvez D. Marshall, BCom *Bom.*  
Helen A. Martin

Abdur Rauf, BSc *Punj.* BA  
Gerhard W. Ruhl

### Systems Programmer

Michael K. Holt, BSc *LaT*, DipDP *R.M.I.T.*

### Programmers

Maggie Huang, BSc *Tas*  
Chandrasiri Jayatilake, BBusAdmin *Sri Lanka*  
Evelyn Romero, BSc *Philippines*  
Elizabeth B. Tan, BSc *Philippines*

### Office of the Deputy Principal and Bursar

(Stephen B. M. Harrison)

#### Associate Bursar and Accountant

Desmond T. McCammon, ACANZ, FASA, CPA  
FAIM

#### Deputy Accountants

Michael L. Bannigan, BEc BA, FASA CPA, FCIS  
(Faculties)  
John M. Williams, BEc, AASA (Finance)

#### Assistant Accountants

Wing-Chee Leung, BSc *Lond.* (Systems)  
Roger B. Sebel, MBA *Harv.* MEc, AASA (Invest-  
ments)  
Colleen M. Sherwood, AASA (Faculties)  
Michael J. Webster, BCom *N.S.W.*, AASA (Finance)

#### Senior Administrative Officers

Geoffrey B. Stowell, BEc, AASA (Special Projects  
Officer)  
James W. Young, AASA (Assistant to Accountant)

#### Administrative Officers Grade II

Warren W. H. Bray (Procedures)  
John S. Buggy, AASA (Divisional Accountant,  
Investments)  
Neville R. Howell (Divisional Accountant, Budget)  
Charles B. Hughes, BEc, AASA (Divisional Account-  
ant, Salaries)  
Andrew T. Kuti, BEc, AASA ACIS (Divisional  
Accountant, Division 4)  
Anthony J. Lloyd, BCom *N.S.W.*, AASA (Divisional  
Accountant, Division 2)  
Warren J. McLeod, AASA ACIS (Divisional  
Accountant, Division 1)  
Andrew C. Mountford (Systems)  
Susan G. Watson, BA *Macq.*, AASA CPA (Div-  
isional Accountant, Division 3)  
Archibald R. Watts, BScAgr LLB, ASIA (Assistant  
Investment Officer)  
William A. Whitfield, BCom *N.S.W.*, AASA (Div-  
isional Accountant, Finance)

#### Administrative Officers Grade I

Clive S. Ah Tow, CA (SA) (Division 3)  
Keith Blundell, BEc *Macq.* (Division 6)  
Gabriel S. M. Chan, FCMA FCIS AHKSA AASA  
MBIM (Division 2)  
Robert Lagaida, BEc MCom *N.S.W.*, AASA  
(Budget)  
Paul Leotta, BBus *N.S.W.I.T.*, AASA (Division 4)  
Joy V. Lockray, MIAA (Receipts and Donations)  
Rosemary E. Sceats, BSc DipEd *Qld* (Statistics)  
Denis W. Wood, AASA (Division 1)

#### Deputy Bursar (Services)

William G. Hamilton, BEc

### LIBRARY

### ADMINISTRATION

## OFFICERS

*Senior Administrative Officer (Building Services)*  
Beverley Brown

*Word Processing Co-ordinator*  
Rita Devine

*Officer-in-Charge University Post Office*  
Kelvin Warnes

*Yeoman Bedell*  
Colin A. Bransdon (Acting)

*Supervisor of Cleaning*  
Ronald J. Weir

*Senior Administrative Officer (Central Services)*  
Roger W. Millington

*Purchasing Officer*  
A. Kathryn Green, BSc Wales, AHA AFIPSM

*Administrative Officer Overseas Purchasing*  
Keith M. Pollard

*Stores Officer*  
.....

*Officer-in-Charge, University Printing Service*  
Melvyn T. de Looze

*Officer-in-Charge, Photography*  
Max F. Williams

*Mechanic-in-Charge, University Garage*  
Eric Hutchinson

*Director of Security*  
R. W. Geoffrey Dove, AAIM

*Security Operations Co-ordinator*  
Robin I. G. A. McInnes

*Security Systems Officer*  
John I. Connal

*Deputy Bursar (Properties)*  
Grant F. Fulton, AASA (Snr) ACIS

*Assistant Bursar (Risk Management)*  
Richard Atkinson, BSc N.S.W.

*Administrative Officer Occupational Health & Safety Committees*  
Therese Cartmer, BA N.S.W.

*Administrative Officer Insurance*  
Robert E. Holloway

*Administrative Officer Properties*  
Michael D. Brown, BCom N.S.W., AASA CPA

*Administrative Officer Investment Properties*  
Michael N. Tesseymann, LREA

*Administrative Officer, Camden*  
Keith T. Smith

*Director of University Farms, Camden*  
Elizabeth A. Kernohan, MScAgr PhD

*Director, Livingston Farm*  
Ronald J. Esdaile, BScAgr

*Manager, Arthursleigh Farm*  
Anthony J. Burgun

*Manager, Mount Pleasant Farm*  
Terrence J. Burgun

*Deputy Bursar (Buildings & Grounds)*  
R. Philip Westwood, ASTC (Bldg), BCom N.S.W., MAIB

*Principal Architect*  
Maxwell C. Jackson, DipTCP, FRAIA ARIBA

*Architects*  
K. C. Joe, BArch Auck., ANZIA ARIBA  
Norman M. Johnson, BArch, ARAIA  
John E. P. Koh, ARIBA ARAIA  
Colin G. McGilvray, BArch N.S.W., ARAIA ARIBA

*Services Engineer*  
Alan L. Williams, DipMechEng S.T.C. DipBdgSc

*Engineers*  
M. Ridaun Osman, BE N.S.W. I.T.  
Frank Hurford, HNC(MechEng)

*Maintenance and Operations Officer*  
Roy Burton

*Assistant Bursar (Internal Audit)*  
Dennis R. Taylor, FASA CPA FAIM

*Legal Officer*  
John R. Cox, DipLaw

## General services

**Animal Houses**  
W. Graeme Cotton, DVSM Edin. BVSc PhD

**Business Liaison Office**  
*Executive Officer*  
Douglas S. Maclellan, MSc

**Careers and Appointments Service**  
*Director, and Secretary to the Appointments Board*  
Steven J. Rawling, MEd C.C.A.E. BA DipEd

*Assistant Directors*  
Megan Bolan, BA DipEd Macq.  
Diana Cooper, BA C.C.A.E., LittB A.N.U.  
Philip J. Coyte, BEc

*Information and Research Officer*  
Bruce Guthrie, BA N.S.W.

**Counselling Service**  
*Director*  
Clive Williams, BA BEd Qld PhD Iowa, FAPsS

*Counsellors*  
John S. Chapman, BSc N.S.W. BA  
Daphne I. Degotardi, BA DipSocStud  
Josephine S. Gaha, MSocStud  
Kathleen V. O'Connor, BA Qld PhD N.S.W.

**Information Services**  
*Director*  
Neville Petersen, MA

**Journalists**  
Susanne Coleby, BA *N.E.*  
Debra Colvin, BA *W.Aust*  
Robyn Stone, BA

**Office of Graduate and Community Relations**  
*Director*  
Philip Westlake, BEc

*Senior Administrative Officer*  
Jeremy M. Steele, BA *Keele*

**Student Health Service**  
*Director*  
Philip T. Brown, MB BS

*Medical Officers*  
Susan Z. Britton, MB BS  
Marilyn J. Dyson, MB BS (part time)  
Amr I. Marzouk, MB BS  
Leslie P. Miller, MB BS

**Television Service**  
*Director*  
Andrew B. Greig, MA *Camb. & Syd.*

*Head of Production*  
.....

*Head of Operations*  
Peter Ellis

*Head of Engineering*  
.....

*Producers*  
Graham Wilson  
Colin Hawke, BSc *Lough.*

*Senior Graphic Artist*  
Peter B. Elliott

**Theatre Studies Service Unit**  
*Director*  
Derek Nicholson DipProd *N.I.D.A.*

*Artists-in-Residence*  
Richard Lawton, BA *Warw.*  
Kim Spinks, DipLib *N.S.W.* BA

*Trainee Theatre Administrator*  
Geoffrey Winestock, BA

**University Computing Service**  
*Manager*  
Michael M. B. Sidhom, BSc *Alexandria* MEngSc  
*N.S.W.*

*Systems Manager*  
Michael R. Wilson, BSc

*User Support Manager*  
Douglas S. Richardson, BSc

*Network Manager*  
David C. Phipps, MSc

*Professional Officer*  
William Trotter, DipTertEd *N.E.* BA

## **Independent operations** **International House**

*Director*  
Geoffrey Andrews, MA *Cant.* DipEd *Lond.*  
DipEdAdmin *Hawthorn*, FRGS MIBG

*Assistant Director*  
Carol Carney

**Seymour Theatre Centre**  
*General Manager*  
Robert Love, BA *N.S.W.*

**Sydney University Press**  
*Director, and Secretary to the Press Board*  
David New

*Editor*  
Lesley J. Glaysher, BA DipEd

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**Esquire Bedell**  
The Hon. Frederick M. Osborne, CMG DSC and Bar,  
VRD, BA LLB

**University Auditor**  
Michael J. Sharpe, BEc, FCA

**University Carillanist**  
John D. Gordon, LRSM *R.S.M.* DSCM  
*N.S.W.S.C.M.* MA MMus DipEd

**University Organist**  
Norman Johnston

**University Solicitors**  
Minter Simpson & Co.

# Senior officers of the University since its establishment

## Visitors

The Governor of New South Wales for the time being is *ex officio* Visitor of the University.

- 1850 His Excellency Sir Charles Augustus Fitz Roy, KCB KH
- 1855 His Excellency Sir William Thomas Denison, KCB
- 1861 His Excellency the Right Hon. Sir John Young, Bart. GCMG KCB
- 1868 His Excellency the Right Hon. The Earl of Belmore
- 1872 His Excellency Sir Hercules George Robert Robinson, GCMG
- 1879 His Excellency the Right Hon. Lord Augustus W. Loftus, GCB
- 1886 His Excellency the Right Hon. Charles Robert, Baron Carrington, PC GCMG
- 1891 His Excellency the Right Hon. Victor Albert George Child Villiers, Earl of Jersey, GCMG
- 1893 His Excellency the Right Hon. Sir Robert William Duff, PC GCMG
- 1895 His Excellency the Right Hon. Henry Robert, Viscount Hampden
- 1899 His Excellency the Right Hon. William Lygon, Earl Beauchamp, KCMG
- 1902 His Excellency Vice-Admiral Sir Harry Holdsworth Rawson, GCB
- 1909 His Excellency the Right Hon. Frederick John Napier, Baron Chelmsford, GCMG CB
- 1913 His Excellency Sir Gerald Strickland, Count della Catena, GCMG
- 1918 His Excellency Sir Walter Edward Davidson, KCMG
- 1924 His Excellency Sir Dudley de Chair, KCB
- 1930 His Excellency Air Vice-Marshal Sir Philip Woolcott Game, GBE KCB DSO
- 1935 His Excellency Brigadier-General the Hon. Sir Alexander Gore Arkwright Hore-Ruthven, VC KCMG CB CMG DSO
- 1936 His Excellency Admiral Sir Murray Anderson, KCB KCMG MVO
- 1937 His Excellency the Right Hon. John De Vere Loder, Baron Wakehurst, KCMG
- 1946 His Excellency Lieutenant-General Sir John Northcott, KCMG KCVO CB KStJ
- 1957 His Excellency Lieutenant-General Sir Eric Winslow Woodward, KCMG KCVO CB CBE DSO

- 1966 His Excellency Sir Arthur Roden Cutler, VC KCMG KCVO CBE KStJ
- 1981 His Excellency Air Marshal Sir James Rowland, KBE DFC AFC KStJ

## Chancellors

The Chancellor is elected by the Fellows of the Senate for such period as the Senate may from time to time appoint. The period is at present limited by by-law to three years, but the retiring Chancellor is declared to be eligible for re-election.

- 1851 Edward Hamilton, MA *Camb.* (Provost)
- 1854 Sir Charles Nicholson, Bt, MD *Edin.* Hon.DCL *Oxf.* Hon.LLD *Camb.* (Provost)\*
- 1862 The Hon. Francis Lewis Shaw Merewether, BA *Camb.*
- 1865 The Hon. Sir Edward Deas-Thomson, KCMG CB
- 1878 The Hon. Sir William Montagu Manning, KCMG, LLD
- 1895 The Hon. Sir William Charles Windeyer, LLD MA
- 1896 The Hon. Sir Henry Normand MacLaurin, MA LLD *St And.* MD LLD *Edin.*
- 1914 The Hon. Sir William Portus Cullen, KCMG, MA LLD
- 1934 Sir Mungo William MacCallum, KCMG, MA *Glas.* Hon.DLitt *Oxf.* LLD
- 1936 The Hon. Sir Percival Halse Rogers, KBE, BCL *Oxf.* BA
- 1941 Lieutenant-Colonel Sir Charles Bickerton Blackburn, KCMG OBE, BA *Adel.* Hon.DLitt *N.E. & Syd.* Hon.DSc *Tas., N.S.W. & Qld* Hon.LLD *Melb. & W.Aust.* MD ChM, FRCP FRSM FRACP Hon.FRCPEd
- 1964 Sir Charles George McDonald, KBE KCMG, MB ChM, FRCP FRACP
- 1970 Sir Hermann Black, AC, Hon.DLitt *N'cle (N.S.W.)* MEC, FCIS

## Deputy Chancellors

The Deputy Chancellor is elected annually by the Fellows of the Senate out of their own body. The retiring Deputy Chancellor is eligible for re-election.

- 1924 Cecil Purser, BA MB ChM
- 1926 The Hon. Sir Philip Street, KCMG, BA (Chief Justice of N.S.W.)
- 1928 Sir Mungo William MacCallum, KCMG, MA *Glas.* DLitt *Oxf.* LLD
- 1934 The Hon. Sir Percival Halse Rogers, KBE, BCL *Oxf.* BA
- 1936 Arthur Edward Mills, MB ChM
- 1939 Lieutenant-Colonel Sir Charles Bickerton Blackburn, OBE, BA *Adel.* Hon.DLitt *N.E. & Syd.* Hon.DSc *Tas., N.S.W. & Qld* Hon.LLD *Melb. & W.Aust.* MD ChM, FRCP FRSM FRACP Hon.FRCPEd
- 1942 John Job Crew Bradfield, CMG, DScEng
- 1943 Dame Constance D'Arcy, DBE, MB ChM
- 1946 The Hon. Mr Justice Ernest David Roper, BA LLB
- 1953 Charles George McDonald, MB ChM, FRACP
- 1954 The Hon. Sir Victor Windeyer, CBE CB DSO ED, MA LLB (from 13 December)
- 1958 Major-General Ivan Noel Dougherty, CBE DSO ED, BEc
- 1966 The Reverend Bertram Russell Wyllie, MA BD

\* Title changed to Chancellor, 1860



- 1969 Hermann David Black, MEd  
 1970 The Hon. Mr Justice Russell Le Gay Brereton, BA LLB  
 1971 The Hon. Mr Justice David Mayer Selby, ED, BA LLB  
 1986 Daphne Anne Kok, BA LLM

### Vice-Chancellors

The Vice-Chancellor was, up to 1924, annually elected by the Fellows of the Senate out of their own body.

- 1851 Sir Charles Nicholson, Bt, MD *Edin.* Hon.DCL *Oxf.* Hon.LLD *Camb.* (Vice-Provost)  
 1854 The Hon. Francis Lewis Shaw Merewether, BA *Camb.* (Vice-Provost)\*  
 1862 The Hon. Edward Deas-Thomson, CB  
 1865 The Hon. John Hubert Plunkett, BA  
 1869 The Rev. Canon Robert Allwood, BA  
 1883 The Hon. Mr Justice William Charles Windeyer, LLD MA  
 1887 The Hon. Henry Normand MacLaurin, MA LLD *St.And.* MD LLD *Edin.*  
 1889 The Hon. Arthur Renwick, MD *Edin.* BA  
 1891 Henry Chamberlaine Russell, CMG, BA, FRS  
 1892 His Honour Judge Alfred Paxton Backhouse, MA  
 1895 The Hon. Henry Normand MacLaurin, MA LLD *St. And.* MD LLD *Edin.*  
 1896 His Honour Judge Alfred Paxton Backhouse, MA  
 1900 The Hon. Sir Arthur Renwick, MD *Edin.* BA  
 1902 The Hon. Mr Justice Archibald Henry Simpson, MA *Camb.*  
 1904 Sir Philip Sydney Jones, MD *Lond.*  
 1906 The Hon. Sir Arthur Renwick, MD *Edin.* BA  
 1908 The Hon. Sir William Portus Cullen, MA LLD  
 1911 His Honour Judge Alfred Paxton Backhouse, MA  
 1914 Frank Leverrier, KC, BA BSc  
 1917 Cecil Purser, BA MB ChM  
 1919 The Hon. Mr Justice David Gilbert Ferguson, BA  
 1921 Frank Leverrier, KC, BA BSc  
 1923 Cecil Purser, BA MB ChM

### Under new constitution

- 1924 Professor Sir Mungo William MacCallum, KCMG, MA *Glas.* DLitt *Oxf.* LLD  
 1928 Sir Robert Strachan Wallace, MA *Aberd.* LLD  
 1947<sup>†</sup> Emeritus Professor Sir Stephen Henry Roberts, CMG, MA LittD *Melb.* DSc(Econ) *Lond.* Hon.LLD *Brist.*, *Br. Col. & McG.* Hon.DCL *Durh.* Hon. DLitt *N.E.*  
 1967<sup>✓</sup> Professor Sir Bruce Rodda Williams, KBE, BA *Melb.* MA *Adel.* MA(Econ) *Manc.* Hon.DLitt *Keele* Hon.LLD *Melb.* Hon.DEcon *Qld.* FASSA  
 1981<sup>—</sup> Professor John Manning Ward, AO, MA LLB, FAHA FASSA FRAHS

### Deputy Vice-Chancellors

- 1955 Emeritus Professor Christopher Ralph McRae, MA DipEd *Melb.* PhD *Lond.*  
 1961 Emeritus Professor Alexander George Mitchell, PhD *Lond.* MA  
 1965–1978 Emeritus Professor William Matthew O'Neil, AO, MA DipEd, FASSA

- 1975– 'Professor Michael Gleeson Taylor, MD BS *Adel.* PhD DSc *Lond.*, FRACP  
 1979–1981 'Professor John Manning Ward, MA LLB, FAHA FASSA FRAHS  
 1982–1986 'Professor Arthur John Dunston, Cav., BA *R'dg* MA *Camb.*

SENIOR  
OFFICERS  
SINCE  
ESTABLISHMENT

### Pro-Vice-Chancellors

- 1986– Professor Maxwell Howard Brennan, AO, Hon.DSc *Flin.* BSc PhD  
 1986– Professor Susan Evelyn Dorsch, MB BS PhD

### Deputy Principals

- 1955–1973 Wilson Harold Maze, MBE, MSc (title changed from Assistant Principal, 1968)  
 1974–1982 Hugh McCredie, LLB, FCIS FASA

### Secretary

- 1972–1974 Hugh McCredie, LLB, FCIS FASA

### Registrars

- 1851 Richard Greenup, MD  
 1852 William Louis Hutton  
 1852 Hugh Kennedy, BA *Oxf.*  
 1882 Henry Ebenezer Barff, CMG, MA (from 1893–1914 had title Registrar and Librarian, from 1914–1924 changed to Warden and Registrar)  
 1924 Walter Albert Selle, MA  
 1947 Geoffrey Dale, BEc  
 1950 Wilson Harold Maze, MSc  
 1955<sup>✓</sup> Margaret Alison Telfer, OBE, BA DipEd  
 1967 Hugh McCredie, LLB, FCIS FASA  
 1972 Ralph Burns Fisher, MA *N.Z.*  
 1975 Jean Duncan Foley, BA DipSocStud  
 1975 Kenneth Wilson Knight, PhD *Qld* MEc, ALAA (Assistant Vice-Chancellor and Registrar from 1 August 1977)  
 1983– Keith Lynden Jennings, BA MED (Registrar and Deputy Principal from 19 March 1986)

### Bursar

- 1982– Stephen Barry Morgan Harrison, MEd (Deputy Principal and Bursar from 19 March 1986)

### University Librarians<sup>2</sup>

- 1852 Frederick Hale Forshall (Librarian not named again until 1885, then as Assistant Librarian)  
 1885 Ralph Hardy (Assistant Librarian)  
 1888 Caleb Hardy, BA (Assistant Librarian)  
 1893 Henry Ebenezer Barff, CMG, MA (Registrar and Librarian)  
 1914 John Le Gay Brereton, BA  
 1921 Henry MacKenzie Green, BA LLB  
 1946 Edward Victor Steel, BA  
 1959 Andrew Delbridge Osborn, MA *Melb.* PhD *Col.* AMLS *Mich.*  
 1963 Harrison Bryan, MA *Qld.* FLAA  
 1980 Neil Anthony Charles Radford, AM PhD *Chic.* DipLib *N.S.W.* BEc, FLAA

\* Title changed to Vice-Chancellor, 1860

<sup>†</sup> Title changed to Vice-Chancellor and Principal, 1955

<sup>1</sup> Referred to in Chapter VI 2 (3) (a) of the by-laws

<sup>2</sup> Title changed from Librarian in 1982

**Former Professors**

1852-1866	Woolley, Rev. John, DCL <i>Oxf.</i> —Classics and Logic
1852-1877	Pell, Morris Birkbeck, BA <i>Camb.</i> —Mathematics and Natural Philosophy
1852-1885	Smith, The Hon. John, CMG, MD Hon.LLD <i>Aberd.</i> —Chemistry and Experimental Physics
1867-1883	Badham, Rev. Charles, MA <i>Oxf.</i> DD <i>Camb.</i> Hon.LittD <i>Leyden</i> —Classics and Logic
1870-1872	Thomson, Alexander Morrison, DSc <i>Lond.</i> —Geology and Mineralogy
1874-1907	Liversidge, Archibald, MA <i>Camb.</i> LLD <i>Glas.</i> , FRS—Chemistry
1877-1902	Gurney, Theodore Thomas, MA <i>Camb.</i> —Mathematics and Natural Philosophy
1882-1890	Stephens, William John, MA <i>Oxf.</i> —Natural History
1883-1920	Anderson Stuart, Sir Thomas Peter, MD Hon.LLD <i>Edin.</i> Hon.DSc <i>Durh.</i> Hon. MD <i>Melb.</i> —Physiology (title of chair changed from Anatomy and Physiology, 1890)
1883-1925	Warren, William Henry, WhSc Hon.LLD <i>Glas.</i> , MInstCE—Engineering
1885-1900	Scott, Walter, MA <i>Oxf.</i> —Greek
1886-1898	Threlfall, Richard, MA <i>Camb.</i> —Physics
1887-1920	MacCallum, Sir Mungo William, MA <i>Glas.</i> DLitt <i>Oxf.</i> LLD—Modern Literature
1890-1909	Cobbett, Pitt, MA DCL <i>Oxf.</i> —Law
1890-1917	Haswell, William Aitcheson, MA DSc <i>Edin.</i> , FRS—Zoology
1890-1920	Wilson, James Thomas, MB ChM <i>Edin.</i> MA, FRS—Anatomy
1890-1921	Anderson, Francis, MA <i>Glas.</i> —Logic and Mental Philosophy
1891-1920	Butler, Thomas, BA—Latin
1891-1924	Edgeworth David, Sir Tannatt William, KBE CMG, MA DSc <i>Oxf.</i> , FRS—Geology
1891-1928	Wood, George Arnold, MA <i>Oxf.</i> —History
1899-1922	Pollock, James Arthur, DSc, FRS—Physics
1901-1937	Woodhouse, William John, MA <i>Oxf.</i> —Greek
1902-1935	Welsh, David Arthur, BSc MA MD <i>Edin.</i> , FRCPEd—Pathology
1903-1935	Carslaw, Horatio Scott, DSc Hon.LLD <i>Glas.</i> —Mathematics
1909-1939	Stewart, James Douglas, BVSc <i>Edin.</i> , MRCVS—Veterinary Science
1909-1945	Fawsitt, Charles Edward, DSc <i>Edin.</i> PhD <i>Leipzig</i> —Chemistry
1910-1940	Mackie, Alexander, MA <i>Edin.</i> —Education
1910-1941	Peden, The Hon. Sir John Beverley, KCMG KC, BA LLB, MLC—Law
1910-1946	Watt, Robert Dickie, BSc MA <i>Glas.</i> —Agriculture
1912-1922	Irvine, Robert Francis, MA—Economics
1912-1926	Cooke, William Ernest, MA <i>Adel.</i> —Astronomy
1913-1916	Robinson, Robert, DSc—Organic Chemistry (Pure and Applied)

1913-1927	Lawson, Abercrombie Anstruther, DSc, FRS FRSEd—Botany
1915-1941	Barraclough, Sir Samuel Henry Egerton, KBE VD, MME <i>C'neil</i> BE, MICE MIMechE—Mechanical Engineering
1916-1923	Read, John, MA <i>Camb.</i> BSc <i>Lond.</i> PhD <i>Zurich</i> —Organic Chemistry (Pure and Applied)
1918-1920	Chapman, Henry George, MD BS <i>Melb.</i> —Pharmacology <sup>1</sup>
1918-1921	Murdoch, James, MA—Oriental Studies
1918-1922	Johnston, Stephen Jason, BA DSc—Zoology
1918-1947	Wilkinson, Leslie, FRIBA FRAIA—Architecture
1920-1930	Mills, Arthur Edward, MB ChM—Medicine
1920-1948	Madsen, Sir John Percival Vissing, DSc <i>Adel.</i> BE BSc—Electrical Engineering
1921-1928	Chapman, Henry George, MD BS <i>Melb.</i> —Physiology <sup>1</sup>
1921-1928	Sandes, Francis Percival, BSc MD ChM (part time)—Surgery
1921-1933	Brereton, John le Gay, BA—English Literature
1921-1934	Reading, Richard Fairfax, LDS, MRCS LRCP—Dentistry
1921-1940	Charteris, Archibald Hamilton, MA LLB <i>Glas.</i> —International Law and Jurisprudence
1921-1940	Holme, Ernest Rudolph, OBE, MA—English Language
1921-1945	Nicholson, George Gibb, CBE Chev. Leg. d'H, MA BCL <i>Oxf.</i> —French
1922-1924	Hunter, John Irvine, MD ChM—Anatomy
1922-1926	Macpherson, Sir John, KBE, MD, FRCP—Psychiatry
1922-1926	Muscio, Bernard, MA <i>Camb.</i> & <i>Syd.</i> —Logic and Mental Philosophy
1922-1944	Todd, Frederick Augustus, PhD <i>Jena</i> BA—Latin
1922-1945	Mills, Richard Charles, OBE, LLM <i>Melb.</i> DSc(Econ) <i>Lond.</i> —Economics
1922-1947	Sadler, Arthur Lindsay, MA <i>Oxf.</i> —Oriental Studies
1923-1928	Harrison, Launcelot, BA BSc—Zoology
1923-1928	Kenner, James, PhD <i>Heidelberg</i> DSc <i>Lond.</i> —Organic Chemistry (Pure and Applied)
1923-1945	Vonwiller, Oscar Ulric, BSc (Associate 1921-1923)—Physics
1925-1940	Windeyer, John Cadell, MD ChM, FRACS FRCOG MRCS LRCP—Obstetrics
1925-1948	Cotton, Leo Arthur, MA DSc—Geology
1926-1931	Brown, Alfred Reginald Radcliffe, MA <i>Camb.</i> —Anthropology
1926-1951	Miller, William Aitken, BSc <i>Glas.</i> ME, AMInstCE—Civil Engineering
1926-1955	Burkitt, Arthur Neville St. George, MB BSc (Associate 1925)—Anatomy
1927-1932 } 1937-1952 }	Dawson, William Siegfried, MA MD ChB <i>Oxf.</i> DPM <i>Lond.</i> , FRCP FRACP—Psychiatry

<sup>1</sup> Transferred from Pharmacology to Physiology 1920.

1927-1958	Anderson, John, MA <i>Glas.</i> —Philosophy	1942-1959	McDonald, George Gilmour, BSc PhD <i>Glas.</i> , MINA MIES MIMechE MIEAust—Mechanical Engineering	SENIOR OFFICERS SINCE ESTABLISHMENT
1928-1937	Osborn, Theodore George Bentley, DSc <i>Manc.</i> —Botany	1942-1972	Stone, Julius, BA DCL <i>Oxf.</i> LLM Hon.LLD <i>Leeds SJD Harv.</i> —International Law and Jurisprudence	
1928-1947	Earl, John Campbell, PhD <i>St.And.</i> DSc <i>Adel.</i> —Organic Chemistry	1945-1951	McDonald, Alexander Hugh, MA <i>N.Z.</i> MA PhD <i>Camb.</i> LLD—Ancient World History	
1928-1956	Stump, Claude Witherington, MD ChB DSc <i>Edin.</i> , FRSEd (Associate 1926-1928)—Histology and Embryology	1945-1961	Holmes, James Macdonald, BSc PhD <i>Glas.</i> (Associate 1929-1944)—Geography	
1929-1945	Lovell, Henry Tasman, PhD <i>Jena</i> MA (Associate 1921-28)—Psychology	1945-1965	★O'Neil, William Matthew, MA DipEd—Psychology	
1929-1947	Dakin, William John, DSc <i>Liv.</i> & <i>W.Aust.</i> , FLS FZS—Zoology	1946-1951	Hook, Alfred Samuel, ARCA FRIBA FRAIA (Associate 1926-1946)—Architectural Practice and Construction	
1929-1947	Roberts, Stephen Henry, MA LittD <i>Melb.</i> DSc(Econ) <i>Lond.</i> —History	1946-1952	Waterhouse, Walter Lawry, MC, DIC <i>Lond.</i> DScAgr, FAA (Reader 1937-1946) (Research Professor)—Agriculture	
1930-1934	Wright, Hedley Duncan, BA <i>Tas.</i> MD ChB DSc <i>Edin.</i> —Bacteriology	1946-1953	Smith, Richard Edwin, MA <i>Camb.</i> —Latin	
1930-1946	Davies, Harold Whitredge, MB BS <i>Adel.</i> —Physiology	1946-1955	Cotton, Frank Stanley, DSc (Reader 1939-1942, Research Professor 1942-1946)—Physiology	
1930-1946	Sutton, Harvey, OBE, MD ChB DPH <i>Melb.</i> BSc <i>Oxf.</i> —Preventive Medicine	1946-1970	Henning, Ian Allan Ramey, DU <i>Paris</i> BA—French	
1930-1956	Dew, Sir Harold Robert, MB BS <i>Melb.</i> Hon.ScD <i>Camb.</i> , FRCS Hon.FRCSEd FACS FRACS—Surgery	1946-1970	Le Fevre, Raymond James Wood, PhD DSc <i>Lond.</i> , FRIC FRACI FRS FAA—Chemistry	
1930-1956	Lambie, Charles George, MC, MD ChB <i>Edin.</i> , FRCP FRSEd—Medicine	1946-1971	Bullen, Keith Edward, BSc MA <i>N.Z.</i> MA <i>Melb.</i> PhD ScD <i>Camb.</i> , FRS FAA Hon. FRSNZ For. Assoc. NAS Hon. For. MAAAS PontAcadSc—Mathematics (Applied Mathematics)	
1934-1950	Waldock, Arthur John Alfred, MA—English Literature	1946-1971	Butlin, Sydney James Christopher Lyon, MA DLitt <i>Camb.</i> BEC—Economics	
1934-1956	Elkin, Adolphus Peter, MA PhD—Anthropology	1946-1973	Farrell, Ralph Barstow, MA Drphil <i>Berl.</i> , FAHA—German	
1935-1947	Bland, Francis Armand, MA LLB—Public Administration	1947-1952	Burges, Norman Alan, PhD <i>Camb.</i> MSc, FLS—Botany	
1935-1952	Ward, Hugh Kingsley, MC (two bars), DPH DA <i>Oxf.</i> MB, FRACP—Bacteriology	1947-1957	Baldwin, Alec Hutcheson, MB BS DPH <i>Melb.</i> DTM&H <i>Lond.</i> , FRACP—Tropical Medicine	
1935-1964	Arnott, Allwyn James, DDSc, FDSRCS FACD FICD—Dentistry	1947-1958	Gunn, Reginald Montague Cairns, ED, BSc <i>Edin.</i> BScAgr DVSc, FRCVS (Reader 1945-1947)—Veterinary Science	
1935-1968	Room, Thomas Gerald, ScD <i>Camb.</i> , FRS FAA—Mathematics (Pure Mathematics)	1947-1961	★Mitchell, Alexander George, PhD <i>Lond.</i> MA—Early English Literature and Language	
1936-1952	Inglis, William Keith, MD ChM, FRACP—Pathology	1947-1965	★Carne, Harold Roy, DVSc—Veterinary Pathology and Bacteriology	
1938-1939	Powell, John Enoch, MA <i>Camb.</i> —Greek	1947-1966	McMillan, John Rustin Alfred, MSc <i>C'neil</i> DScAgr—Agriculture	
1938-1945	Waterhouse, Eben Gowrie, MA (Associate 1926-1938)—German	1947-1967	Ford, Sir Edward, OBE, MD BS <i>Melb.</i> DPH <i>Lond.</i> DTM, FZS FRSH FRCP FRACP—Preventive Medicine	
1938-1946	Ashby, Eric, DSc DIC <i>Lond.</i> , ARCS—Botany	1947-1968	Hunter, Thomas Girvan, PhD DSc <i>Birm.</i> —Chemical Engineering	
1938-1947	Eastaugh, Frederick Alldis, ARSM FIC (Associate 1926-1938)—Engineering Technology	1947-1974	★Shatwell, Kenneth Owen, MA BCL <i>Oxf.</i> —Law	
1938-1948	Priestley, Henry, BSc MD ChM (Associate, Physiology 1921-1938)—Biochemistry	1948-1952	Partridge, Percy Herbert, MA—Government and Public Administration	
1939-1954	★Trendall, Arthur Dale, MA <i>Camb.</i> LittD MA <i>N.Z.</i> , FSA—Greek	1948-1973	Winston, Denis, BArch <i>Liv.</i> AM <i>Harv.</i> , FRIBA FILA FAPI MTPI—Town and Country Planning	
1939-1956	Stephens, Arthur Veryan, MA <i>Camb.</i> , FRAeS—Aeronautical Engineering	1948-1974	Peart, Donald Richard, MA BMus <i>Oxf.</i> , FRCM—Music	
1939-1965	Stout, Alan Ker, MA <i>Oxf.</i> —Philosophy			
1940-1946	Clunies Ross, Ian, DVSc—Veterinary Science			
1940-1955	McRae, Christopher Ralph, MA DipEd <i>Melb.</i> PhD <i>Lond.</i> —Education			
1941-1968	★Mayes, Bruce Too'mba, MVO, MB BS, FRCSEd FRCOG FRACS—Obstetrics and Gynaecology (title of Chair changed from Obstetrics, 1964)			
1942-1946	Williams, James, LLM <i>N.Z.</i> PhD <i>Camb.</i> —Law			

★ Professor Emeritus.

★ Professor Emeritus.

OFFICERS	1949	Rideout, John Kennedy, BA—Oriental Studies	1955–1983	Davis, Albert Richard, MA <i>Camb.</i> —Oriental Studies
	1949–1959	Myers, David Milton, BSc DScEng, FlInstP MIEE MIEAust—Electrical Engineering	1956–1958	Barnes, John Arundel, MA <i>Camb.</i> DPhil Oxf.—Anthropology
	1949–1960	Dods, Lorimer Fenton, MVO, DCH Lond. MD ChM, FRACP—Child Health	1956–1961	Trethowan, William Henry, MA MB BChir <i>Camb.</i> DPM Lond., FRACP MRCP MRCS—Psychiatry
	1949–1960	Murray, Patrick Desmond Fitzgerald, BSc <i>Oxf.</i> MA <i>Camb.</i> DSc, FAA—Zoology	1956–1964	Wittrick, William Henry, MA ScD <i>Camb.</i> PhD, FRAeS AFAIAA FAA (Reader 1954–1956)—Aeronautical Engineering
	1949–1963	Ashworth, Henry Ingham, OBE, MA <i>Manc.</i> , FRIBA FRAIA MAPI—Architecture (title of Chair changed from Architectural Design and History, 1952)	1956–1969	*Shoppée, Charles William, PhD DSc Lond. DrPhil Basel, FRIC FRSFRAFI FAA—Organic Chemistry
	1949–1973	*Marshall, Charles Edward, PhD <i>Durh.</i> DSc <i>Birm.</i> , FGS MAustIMM—Geology	1956–1970	Alexander, Albert Ernest, MA PhD ScD <i>Camb.</i> BSc <i>R'dg.</i> , FRACI FAA—Physical Chemistry
	1949–1975	*Thorp, Roland Herbert, BSc PhD Lond. Hon.DSc—Pharmacology	1956–1979	Loewenthal, Sir John, CMG ED, MS <i>Melb.</i> MB BS, FRCS FRACS FACS Hon.FACS Hon.FRCSEd Hon.FCS (SA)—Surgery
	1949–1976	*Still, Jack Leslie, PhD <i>Camb.</i> BSc—Biochemistry	1956–1982	*Campbell, Keith Oliver, MPA <i>Harv.</i> AM PhD <i>Chic.</i> BScAgr, FASSA FRIAS (Reader 1951–1956)—Agricultural Economics
	1950–1978	*Emmens, Clifford Walter, PhD DSc Lond., FSS FIBiol Hon.FACVSc FAA—Veterinary Physiology	1956–1984	*Robinson, Terence James, MSc (Agric) <i>W.Aust.</i> PhD ScD <i>Camb.</i> MVSc, FAIAS FASAP—Animal Husbandry
	1951–1961	Milgate, Wesley, MA—English Literature	1957–1978	*Blackburn, Charles Ruthven Bickerton, ED, MD BS, FRCP FRACP Hon.FACP—Medicine
	1951–1978	*Roderick, Jack William, MA <i>Camb.</i> MSc PhD <i>Brist.</i> Hon.DEng <i>N'cle (N.S.W.)</i> , FIStructE FICE FASCE AFRAeS FIEAust FAA—Civil Engineering	1959–1963	Mackie, John Leslie, MA <i>Oxf.</i> BA—Philosophy
	1952–1955	Birch, Arthur John, DPhil <i>Oxf.</i> MSc—Organic Chemistry	1959–1966	Wright, Sydney Edward, DSc <i>Qld</i> PhD DipPharm, FRACI (Associate, Pharmacy 1956–1959)—Pharmaceutical Chemistry
	1952–1956	Craig, David Parker, PhD Lond. MSc—Physical Chemistry	1959–1967	McFarlane, David, BSc <i>Glas.</i> , MRCVS—Veterinary Medicine
	1953–1960	Bailey, Victor Albert, MA DPhil <i>Oxf.</i> , FlInstP FAA (Associate, Physics 1924–1936, Professor, Experimental Physics 1936–1953) (Research Professor)	1959–1977	Butler, Stuart Thomas, MSc <i>Adel.</i> PhD <i>Birm.</i> DSc <i>A.N.U.</i> , FAA—Physics (Theoretical Physics)
	1953–1977	Magarey, Frank Rees, MD BS <i>Adel.</i> , FRCPA FRCPath MRCP Hon.FRACS—Pathology	1959–1978	*Lancaster, Henry Oliver, BA MD BS PhD DSc, FISI FIMS FASA Hon.LMSSA Hon.FSS FAA (Associate, Medical Statistics 1959)—Mathematical Statistics
	1953–1978	*de Burgh, Patrick Macartney, MB BS, FRCPA—Bacteriology	1959–1980	Benjafield, David Gilbert, CBE, DPhil <i>Oxf.</i> LLB—Law
	1953–1981	Spann, Richard Neville, OBE, MA <i>Oxf.</i> , FASSA—Government and Public Administration	1959–1981	*Geddes, William Robert, MA <i>N.Z.</i> PhD Lond., FASSA—Anthropology
	1953–1984	*Cowan, Henry Jacob, AO, MSc <i>Manc.</i> PhD DEng <i>Sheff.</i> March, FASCE FIStructE FIEAust FRSA Hon.FRAIA—Architectural Science	1959–1985	*Morison, William Loutit, DPhil <i>Oxf.</i> BA LLB (Reader 1953–1955; Associate Professor 1955–1959)—Law
	1953–1986	*Dunston, Arthur John, Cav., BA <i>R'dg</i> MA <i>Camb.</i> MA(Hons)—Latin	1960–1966	McManners, John, MA <i>Oxf.</i> DipTheol <i>Durh.</i> , FRHistS—History
	1954–1963	Crocker, Robert Langdon, DSc <i>Adel.</i> —Botany	1960–1962	Stewart, John Rivers Barrington, MA <i>Camb.</i> , FRNS—Middle Eastern Archaeology
	1954–1965	Shipp, George Pelham, MA <i>Camb.</i> BA DLitt (Reader, Comparative Philology 1945–1954)—Greek	1960–1968	Fink, Peter Thomas, BE, FRAeS MIMechE MAIAA (Reader, Aeronautical Engineering 1957–1960)—Mechanical Engineering
	1955–1967	Bishop, Peter Orlebar, MB BS DSc, FAA (Reader 1954–1955)—Physiology	1960–1978	*Christiansen, Wilbur Norman, DSc <i>Melb.</i> , FAA FIEE FIREE FIEAust FlInstP FAIP—Electrical Engineering
	1955–1971	Macintosh, Neil William George, MB BS DipAnth (Reader 1950–1955)—Anatomy	1960–1980	*Watson-Munro, Charles Norman, OBE, DSc <i>N.Z.</i> , FIP FAA MIEE—Physics (Plasma Physics)
	1955–1976	*Connell, William Fraser, OBE, MA <i>Ill.</i> MA <i>Med Melb.</i> PhD Lond., DLitt Lond. FASSA (Reader 1953–1955)—Education		

1960-1982	★Chambers, Raymond John, AO, BEc DScEcon, FASA FASSA (Associate, 1955-1959) — Accounting	1966-1971	Martin, Charles Burton, BA <i>Boston PhD Camb.</i> — Philosophy	SENIOR OFFICERS SINCE ESTABLISHMENT
1960-1983	★Stapleton, Thomas, MA DM BCh <i>Oxf.</i> DCH <i>R.C.P.&amp;S.</i> , FRCP FRACP—Child Health	1966-1971	Read, John Robert, MD BS, FRACP—Medicine	
1960-1983	★Birch, Louis Charles, BAgSc <i>Melb.</i> DSc <i>Adel.</i> , FAA FAAS (Reader, 1954-1960)—Biology	1966-1971	White, Neville Hewlett, DSc <i>Tas.</i> (Associate 1955-1966)—Plant Pathology	
1961-1977	★Graham, Campbell Harry, DDS <i>Northwestern</i> MDS, FACD FRACDS (Associate, 1960-1961)—Prosthetic Dentistry	1966-1974	Larsen, Leonard Harold, MS <i>Col.</i> BVSc PhD (Associate 1962-1964)—Veterinary Surgery	
1961-1982	★Lyell, John Sutherland, MDS, FACD FRACDS (Associate 1955-1961)—Operative Dentistry	1966-1976	★Macpherson, Ronald Kenneth, MD BSMSc <i>Qld</i> , FRACP—Environmental Health	
1961-1984	★McCusker, Charles Brian Anthony, DSc <i>Manc.</i> MSc, MRIA (Reader, Experimental Physics 1959-1961)—Physics (High Energy Nuclear Physics)	1966-1983	★Pitman, Michael George, OBE, MA PhD ScD <i>Camb.</i> , FAA — Biology (Plant Physiology)	
1961-1986	★Parsons, Ross Waite, BA LLB (Associate, Commercial Law 1957-1961) — Law	1966-1986	★Butterfield, Rex Milton, PhD DVSc <i>Qld</i> MVSc, FACVSc—Veterinary Anatomy	
1961-1986	★Bennett, John Makepeace, AO, BE(Civ) BE(Mech&Elec) BSc <i>Qld</i> PhD <i>Camb.</i> ME, FTS FACS FBCS FIEAust FIMA—Computer Science	1967-1977	★Smith, Bernard William, PhD <i>A.N.U.</i> Hon.LittD <i>Melb.</i> BA, FSA FAHA—Contemporary Art and Director of the Power Institute of Fine Arts	
1962-1965	Edwards, Harold Raymond, DPhil <i>Oxf.</i> BA—Economic Theory	1967-1976	Ritchie, Ernest, DSc, FRACI FAA (Reader 1961-1967)—Organic Chemistry	
1962-1965	Russell, George Harrison, MA <i>N.Z.</i> PhD <i>Camb.</i> (Reader, English Language 1957-1962)—Early English Literature and Language	1968-1971	Penny, Richard Henry Collins, BVSc <i>Brist.</i> PhD <i>Liv.</i> , FRCVS—Veterinary Medicine	
1962-1969	Dury, George Harry, MA PhD <i>Lond.</i> , FGS—Geography	1968-1974	Korner, Paul Ivan, MD BS MSc, FRACP (Associate, Physiology 1959-1960)—Cardiology	
1962-1974	Maddison, David Clarkson, MB BS DPM, FANZCP FRACP—Psychiatry	1968-1981	Davis, Edward Hughesdon, BSc(Eng) <i>Lond.</i> , FAA FIEAust—Civil Engineering	
1962-1977	Watson, Irvine Armstrong, CBE, PhD <i>Minn.</i> BScAgr, FTS FAA (Associate, Genetics and Plant Breeding 1955-1962)—Agricultural Botany (Plant Breeding)	1968-1983	★Tchan, Yao Tseng, DèSc <i>Paris</i> IngAgricole <i>Grignon</i> —Microbiology	
1962-1980	Rutherford, Robert Stewart Gregg, MA <i>Oxf.</i> —Economic Statistics	1968-1983	★Campbell-Allen, Denison, MA <i>Camb.</i> , FICE FIEAust MRAeS (Associate Professor 1962-1968)—Civil Engineering	
1963-1965	Mercer, Frank Verduin, BSc <i>Adel.</i> PhD <i>Camb.</i> (Associate, Plant Physiology 1956-1963)—Biology (Cell Physiology)	1968-1986	★Cameron, David Agar, MDS PhD (Associate, Dental Pathology 1960-1968)—Pathology	
1963-1966	Goldberg, Samuel Louis, BA <i>Melb.</i> BLitt <i>Oxf.</i> —English Literature	1968-1986	★Spearritt, Donald, MA MED <i>Qld</i> EdD <i>Harv.</i> MEd(Hons), FASSA (Associate, 1964-1968)—Education	
1963-1974	★Smith-White, Spencer, DScAgr, FAA (Reader in Botany, 1957-1963)—Biology (Genetics)	1969-1972	Rutherford, John, PhD <i>A.N.U.</i> BA—Geography	
1963-1982	★Black, Robert Hughes, ED, DTM&H <i>Liv.</i> MD BS DipAnth, FRACP—Tropical Medicine	1969-1974	George, Donald William, BSc BE PhD, FIEE FIEAust AAIP (Associate, Electrical Engineering 1966-1969)—Mechanical Engineering	
1964-1974	Lascelles, Alexander Kirk, MVSc PhD <i>A.N.U.</i> —Dairying	1969-1974	Nygh, Peter Edward, JSD <i>Mich.</i> LL.M.—Law	
1964-1976	May, Frederick, BA <i>Lond.</i> —Italian	1969-1975	Collinson, Patrick, MA <i>Camb.</i> PhD <i>Lond.</i> , FRHistS FAHA—History	
1964-1981	★Brown, Robert Hanbury, AC, BScEng DIC <i>Lond.</i> DSc <i>Manc.</i> , FRS FRAS FAA Hon.FNA Hon.FASc MIEE—Physics (Astronomy)	1969-1980	★Jacobs, Marjorie Grace, MA—History	
1965-1971	Satchell, Geoffrey Harold, BSc <i>Lond.</i> PhD <i>Leeds</i> —Biology	1969-1980	★Simkin, Colin George Frederick, MA DipSocSci <i>N.Z.</i> DPhil <i>Oxf.</i> , FASSA —Economics	
1965-1985	★Mills, Bernard Yarnton, AC, BSc DScEng, FRS FAA (Reader 1960-1964)—Physics (Astrophysics)	1969-1981	Brennan, Thomas, MA <i>Camb.</i> , FASSA—Social Administration	
1966-1969	van Naerssen, Frits Herman, DrPh et Litt <i>Ley.</i> MA, FRAS (Reader 1957-1966)—Indonesian and Malayan Studies	1969-1984	★Mayer, Henry, AM, MA <i>Melb.</i> MA(Hons), FASSA (Associate Professor 1964-1969)—Political Theory	
		1970-1971	Simonett, David Stanley, MSc PhD—Geography	
		1970-1973	Jocelyn, Henry David, MA PhD <i>Camb.</i> BA—Latin	

★ Professor Emeritus.

★ Professor Emeritus.

1970-1973	May, Robert McCredie, BSc PhD—Physics
1970-1983	★Norman, Michael John Thornley, BSc PhD <i>R'dg</i> — Agronomy
1971-1975	Chambers, Leigh Ross, DU <i>Grenoble</i> MA DipEd, FAHA Officier des Palmes Académiques—French
1971-1986	★Lawrence, Peter, MA PhD <i>Camb.</i> MA(Hons), FASSA—Anthropology
1972-1973	Nerlich, Graham Charles, MA <i>Adel.</i> BPhil <i>Oxf.</i> —Philosophy
1973-1976	Aldcroft, Derek Howard, BA(Econ) PhD <i>Manc.</i> —Economic History
1973-1981	Heydon, John Dyson, BCL MA <i>Oxf.</i> BA—Law
1973-1981	★Langford-Smith, Trevor, BA <i>Melb.</i> MSc <i>Adel.</i> PhD <i>A.N.U.</i> BSc (Associate 1966-1973)—Geography
1973-1982	★Pheils, Murray Theodore, MA MB BChir <i>Camb.</i> , FRCS FACS FRACS LRCP — Surgery
1973-1984	Blunt, Michael John, MB BS PhD <i>Lond.</i> , Hon.FRACS Hon.FRACO LMSSA—Anatomy
1974-1984	★Jenkins, Alexander Elliott, BMetE MEngSc PhD <i>Melb.</i> ME, FIM FIEAust MAIMM MAIM—Materials and Mining Engineering
1975-1975	Ryan, Lawrence John, DPhil <i>Tubingen</i> BA—Germanic Studies
1975-1976	Swarbrick, James, BPharm PhD DSc <i>Lond.</i> , FRIC—Pharmaceutics
1975-1979	Taylor, Keith William, MB BChir MA PhD <i>Camb.</i> —Biochemistry
1975-1985	★Johnson, David Hugh Nevil, MA LLM <i>Camb.</i> LLM—International Law
1977-1980	McGovern, Vincent John, MD ChB <i>N.Z.</i> , FRACP FRCPA FRCPATH—Pathology
1977-1980	Reddick, John Anthony Colin Hoad, MA DPhil <i>Oxf.</i> —Germanic Studies
1977-1982	Davidson, Lindsay Alexander Gordon, MB ChB <i>Edin.</i> MD <i>Birm.</i> , FRCP FRCPEd FRACP—Commonwealth Institute of Health (Director)
1977-1982	Woodman, Roy Allan, LLM (Associate 1970-1977)—Law
1978-1986	Hudson, Christopher Neville, MA MB MChir <i>Camb.</i> , FRCS FRCOG FRACOG—Obstetrics and Gynaecology
1979-1981	Rankin, James Gerald D'Arcy, MB BS, FRACP FRCPCan—Medicine (Clinical Professor)
1979-1983	Andrews, Gary Robert, MB BS, FRCP FRACP FRACMA FACRM — Community and Geriatric Medicine
1979-1985	Corina, John Gordon, MA DPhil <i>Oxf.</i> , FICS FISE—Industrial Relations
1980-1983	Cramond, William Alexander, OBE, MD ChB <i>Aberd.</i> MD <i>Adel.</i> DPM <i>Lond.</i> , FRANZCP FRCPsych FRACP FRSEd — Psychiatry (Clinical Professor)
1983-1985	Fox, Richard Mark, MSc(Med) MB BS PhD, FRACP (Associate Professor 1977-1983)—Cancer Medicine

## Professores Emeriti

J. M. Bennett	C. E. Marshall
L. C. Birch	H. Mayer
R. H. Black	B. T. Mayes
C. R. B. Blackburn	B. Y. Mills
R. M. Butterfield	A. G. Mitchell
K. O. Campbell	W. J. Moore
D. Campbell-Allen	W. L. Morison
H. R. Carne	M. J. T. Norman
R. J. Chambers	W. M. O'Neil
W. N. Christiansen	R. W. Parsons
W. F. Connell	M. G. Pitman
H. J. Cowan	M. T. Pheils
P. M. de Burgh	T. J. Robinson
A. J. Dunston	J. W. Roderick
C. W. Emmens	T. G. Room
W. R. Geddes	K. O. Shatwell
C. H. Graham	C. W. Shoppee
R. Hanbury Brown	C. G. F. Simkin
M. G. Jacobs	B. W. Smith
A. E. Jenkins	S. Smith-White
D. H. N. Johnson	D. Spearitt
H. O. Lancaster	T. Stapleton
T. Langford-Smith	J. L. Still
P. Lawrence	Y. T. Tchan
J. S. Lyell	R. H. Thorp
R. J. W. Le Fevre	A. D. Trendall
C. B. A. McCusker	C. N. Watson-Munro
R. K. Macpherson	

## Chairmen of the Professorial Board

From 1852 the Chairman of the various antecedents of the Professorial Board prior to 1887 was normally the Senior Professor or Dean of the Faculty of Arts.

(The years are not exact calendar years)

1887	Professor T. P. Anderson Stuart
1888	Professor T. T. Gurney
1889	Professor W. J. Stephens
1890	Professor R. Threlfall
1891	Professor A. Liversidge
1892	Professor W. H. Warren
1893	Professor W. A. Haswell
1894	Professor M. W. MacCallum
1895	Professor J. T. Wilson
1896	Professor F. Anderson
1897	Professor G. A. Wood
1898	Professor T. Butler
1899	Professor T. W. Edgeworth David
1900	Professor P. Cobbett
1901	Professor T. T. Gurney
1902-1907	Professor T. W. Edgeworth David
1908-1912	Professor J. T. Wilson
1913-1915	Professor T. W. Edgeworth David
1916-1919	Professor J. T. Wilson
1920-1923	Professor W. H. Warren
1924	Professor T. W. Edgeworth David
1925-1933	Professor J. B. Peden
1934-1941	Professor R. C. Mills
1942-1944	Professor E. Ashby
1945-1946	Professor S. H. Roberts
1947-1949	Professor J. Madsen (to Feb. 1949)
1949-1950	Professor A. D. Trendall (to Nov. 1950)
1950-1951	Professor C. R. McRae
1952-1953	Professor A. D. Trendall (to Mar. 1953)
1953-1955	Professor C. R. McRae (to July 1955)
1955-1959	Professor W. M. O'Neil (to Mar. 1959)
1959-1961	Professor A. G. Mitchell (to Aug. 1961)

1961–1965 Professor W. M. O’Neil (to Mar. 1965)  
 1965–1969 Professor J. L. Still  
 1970–1973 Professor M. G. Taylor  
 1974 Professor D. W. George (to Nov. 1974)  
 1974–1975 Professor J. M. Ward  
 Professorial Board dissolved 17 June 1975

### Chairmen of the Academic Board

1975–1977 Professor J. M. Ward  
 1978–1981 Professor D. Campbell-Allen  
 1982–1985 Professor N. Collis-George  
 1986– Mr J. G. Mackinolyt

### Deputy Chairmen of the Professorial and Academic Boards

#### Professorial Board

1974 Professor J. M. Ward (Aug.–Nov. 1974)  
 1974–1975 Professor M. G. Pitman (Nov. 1974 to Jun. 1975)

#### Academic Board

1975 Professor M. G. Pitman (from Jun. 1975)  
 1976–1977 Professor S. T. Butler  
 1978–1980 Professor J. A. Young (to Nov. 1980)  
 1980–1981 Professor D. T. Anderson (from Dec. 1980)  
 1982–1983 Professor G. A. Wilkes  
 1984–1985 Professor D. M. Schreuder  
 1986 Professor S. E. Dorsch (Jan.–Sept.)  
 1986– Professor S. Ball  
 Associate Professor A. E. Sefton (from Sept. 1986 following amendment to Chapter VIII of the By-laws to allow for the election of more than one Deputy Chairman)

### Fellows of the Senate<sup>1</sup>

1850–1854 Davis, The Rt Rev. Charles Henry, DD  
 1850–1854 Hamilton, Edward, MA *Camb.*  
 1850–1856 Broadhurst, The Hon. Edward, BA *Camb.*  
 1850–1859 Boyce, The Rev. William Binnington  
 1850–1859 Therry, His Honour Sir Roger  
 1850–1860 Denison, Alfred, BA  
 1850–1860 Macarthur, The Hon. James  
 1850–1861 Donaldson, The Hon. Sir Stuart Alexander  
 1850–1868 Darvall, Sir John Bayley, MA *Camb.*  
 1850–1869 O’Brien, Bartholomew, MD  
 1850–1869 Plunkett, The Hon. John Hubert, BA *Dub.*  
 1850–1870 Purves, The Rev. William, MA  
 1850–1872 Wentworth, The Hon. William Charles  
 1850–1875 Merewether, The Hon. Francis Lewis Shaw, BA *Camb.*  
 1850–1879 Deas-Thomson, The Hon. Sir Edward, KCMG CB  
 1850–1883 Nicholson, Sir Charles, Bt, MD *Edin.* Hon.DCL *Oxf.* Hon.LLD *Camb.*  
 1853–1865 Douglass, Henry Grattan, MD *Dub.*  
 1855–1886 Allwood, The Rev. Canon Robert, BA *Camb.*

1856–1877 Polding, The Most Rev. Archbishop John Bede, DD  
 1857–1861 Cooper, Sir Daniel, Bt, GCMG  
 1858–1878 } Martin, The Hon. Sir James  
 1885–1886 }  
 1859–1878 Allen, The Hon. George  
 1859–1894 Faucett, The Hon. Peter, BA *Dub.*  
 1860–1880 Macarthur, The Hon. Sir William  
 1861–1879 Pell, Professor Morris Birkbeck, BA *Camb.*  
 1861–1885 Smith, Professor the Hon. John, CMG, MD LLD *Aberd.* (ex officio)  
 1861–1866 Woolley, The Rev. John, DCL *Oxf.* (Principal) (ex officio)  
 1861–1895 Manning, The Hon. Sir William Montagu, KCMG, LLD  
 1866–1897 Windeyer, The Hon. Sir William Charles, LLD MA  
 1867–1884 Badham, Professor Charles, MA *Oxf.* DD *Camb.* Hon.LittD *Leyden* (ex officio)  
 1868–1872 Nathan, Charles, MD  
 1868–1874 Arnold, The Hon. William Munnings  
 1869–1873 Stenhouse, Nichol Drysdale, MA  
 1872–1882 Forster, The Hon. William  
 1872–1888 Rolleston, Christopher, CMG  
 1872–1892 Hay, The Hon. Sir John, KCMG, MA *Aberd.*  
 1873–1878 Dalley, The Rt Hon. William Bede, PC  
 1875–1891 Macleay, The Hon. Sir William  
 1875–1907 Russell, Henry Chamberlaine, CMG, BA, FRS  
 1877–1885 Allen, The Hon. Sir George Wigram, KCMG  
 1877–1892 } Gurney, Professor Theodore Thomas, MA *Camb.* (ex officio)  
 1894–1896 } Renwick, The Hon. Sir Arthur, MD *Edin.* BA  
 1877–1908 }  
 1878–1887 Stephen, The Rt Hon. Sir Alfred, GCMG CB, PC  
 1879–1887 Darley, The Hon. Sir Frederick Matthew, BA *Dub.*  
 1879–1904 Liversidge, Professor Archibald, MA *Camb.* LLD *Glas.*, FRS (ex officio)  
 1879–1904 Oliver, The Hon. Alexander, MA  
 1880–1889 } Barton, The Rt Hon. Sir Edmund, GCMG, Hon.LLD *Edin.* Hon.DCL *Oxf.* MA  
 1892–1920 }  
 1883–1891 Jennings, The Hon. Sir Patrick Alfred, KCMG, Hon.LLD *Dub.*  
 1883–1914 MacLaurin, The Hon. Sir Henry Normand, MA LLD *St. And.* MD LLD *Edin.*  
 1883–1920 Anderson Stuart, Professor Sir Thomas Peter, MD Hon.LLD *Edin.* DSc (ex officio)  
 1884–1890 Stephens, Professor William John, MA *Oxf.* (ex officio)  
 1884–1919 Teece, Richard, FIA FFA  
 1885–1894 } Scott, Professor Walter, MA *Oxf.* (ex officio)  
 1896–1898 }  
 1886–1889 Barry, The Most Rev. Alfred, DD *Camb.* LLD *Durh. & Adel.*  
 1887–1888 Knox, George, MA  
 1887–1918 Jones, Sir Philip Sydney, MD *Lond.*  
 1887–1938 Backhouse, His Honour Judge Alfred Paxton, MA  
 1888–1910 Stephen, Cecil Bedford, KC, MA  
 1888–1913 Butler, Professor Thomas, BA  
 1889–1913 Rogers, His Honour Judge Francis Edward, MA LLB

SENIOR  
OFFICERS  
SINCE  
ESTABLISHMENT

<sup>1</sup> At the time of going to press.

OFFICERS	1890-1909	Cobbett, Professor Pitt, MA DCL <i>Oxf.</i> (ex officio)	1921-1925	Holme, Professor Ernest Rudolph, OBE, MA (ex officio)
	1891-1892	O'Connor, The Hon. Richard Edward, MA	1923-1929	Fawsitt, Professor Charles Edward, DSc <i>Edin.</i> PhD <i>Leipzig</i> (ex officio)
	1892-1896	Manning, The Hon. Mr Justice Charles J., MA	1923-1931	Smith, Stephen Henry, CBE
	1894-1919	Knox, Edward	1923-1934	O'Connor, The Hon. Broughton Barnabas, BA LLB, MLC
	1895-1919	Anderson, Henry Charles Lennox, MA	1924-1925	Barff, Henry Ebenezer, CMG, MA
	1896-1934	Cullen, The Hon. Sir William Portus, KCMG, MA LL.D.	1924-1929	Mackinnon, Eleanor
	1897-1915	Simpson, The Hon. Mr Justice Archibald Henry, MA <i>Camb.</i>	1924-1939	Fletcher, Charles Brunson
	1898-1914	MacCallum, Professor Sir Mungo William, CMG, MA <i>Glas.</i> DLitt <i>Oxf.</i> LL.D. (ex officio) 1898-1914, 1916-1919	1924-1944	Eedy, Arthur Malcolm
	1916-1936		1925-1929	Welsh, Professor David Arthur, MA BSc MD <i>Edin.</i> , FRCP (ex officio)
	1904-1907		1925-1933	Woodhouse, Professor William John, MA <i>Oxf.</i> (ex officio)
	1913-1916		1944-1954	Barracrough, Emeritus Professor Sir Samuel Henry Egerton, KBE CBE (Mil.Div.) VD, MME C'nell
	1919-1924	Griffith, The Rt Hon. Sir Samuel Walker, GCMG, LL.D. MA		Hon. MME Adel. BE, Hon. MIMechE Hon. MIE Aust Hon. FSE
	1904-1919	Leverrier, Frank, KC, BA BSc	1925-1934	Mitchell, The Hon. Ernest Meyer, KC, BA LLB
	1907-1939	Warren, Professor William Henry, Hon. LL.D. <i>Glas.</i> , MInstCE (ex officio)	1928-1947	Wallace, Sir Robert Strachan, MA LL.D. <i>Aberd.</i> LL.D. (ex officio)
	1908-1912	Purser, Cecil, BA MB ChM	1929-1934	Kidd, Mary Differs
	1910-1924		1929-1941	Rogers, The Hon. Sir Percival Halse, KBE, BCL <i>Oxf.</i> BA
	1910-1941		1930-1931	Windeyer, Professor John Cadell, MD ChM, FRACS FRCOG MRCS LRCP
			and 1939	Osborn, Professor Theodore George Bentley, DSc <i>Manc.</i> (ex officio)
	1912-1917	Haswell, Professor William Aitcheson, MA DSc <i>Edin.</i> , FRS (ex officio)	1930-1933	Todd, Professor Frederick Augustus, PhD <i>Jena</i> BA
	1913	Carmichael, The Hon. Ambrose Campbell, MLA (April to September)	1930-1936	Thomas, George Ross, BA
	1913-1915	Suttor, The Hon. Sir Francis Bathurst, MLC	1930-1937	
			and 1939	
	1913-1916	Kavanagh, The Hon. Edward John, MLC	1934-1935	Watt, Professor Robert Dickie, MA BSc <i>Glas.</i>
			and 1946	
	1913-1923	Dawson, James, MA <i>Glas.</i> & <i>Syd.</i>	1934-1939	Cleary, William James, BEc
	1913-1924	Board, Peter, CMG, MA	1934-1939	Gibson, Alexander James, ME
	1913-1934	Ferguson, The Hon. Sir David Gilbert, BA	1934-1939	Maguire, Frederick Arthur, CMG DSO VD, MD ChM, FRCS FRACS
	1913-1934	Nangle, James, OBE, FRAS	1934-1944	Cohen, Fanny, BSc MA
	1913-1936	Levy, The Hon. Sir Daniel, BA LLB, MLA	1949-1959	
	1913-1942	Bradfield, John Job Crew, CMG, DScEng	1934-1944	Mills, Professor Richard Charles, LLM <i>Melb.</i> DSc(Econ) <i>Lond.</i> (ex officio 1934-1941)
	1914-1916	Anderson, Professor Francis, MA <i>Glas.</i> (ex officio)	1934-1944	Windeyer, Richard, KC, BA
	1919-1921		1934-1948	Manning, The Hon. Sir Henry Edward, KBE KC, BA LLB, MLC
	1915-1921	Garland, The Hon. John, KC, MA <i>Aberd.</i> LLB <i>Edin.</i> , MLC	1936	Earl, Professor John Campbell, PhD <i>St. And.</i> DSc <i>Adel.</i> , FIC
	1915-1934	Street, The Hon. Sir Philip Whistler, KCMG, BA	1936-1938	Dakin, Professor William John, DSc <i>Liv.</i> & <i>W. Aust.</i> , FLS FZS
	1916-1920	Wilson, Professor James Thomas, MB ChM <i>Edin.</i> MA, FRS (ex officio)	1936-1938	Dew, Professor Harold Robert, MB BS <i>Melb.</i> , FRCS FACS FRACS
			1940-1952	
	1916-1924	Dwyer, Catherine	1936-1954	Hawkes, Robert Joseph
	1918-1919	Garney, The Rev. Canon Arthur Henry, MA	1937-1939	Ellis, Kevin William Colin, LLB
	1934-1942		1937-1941	Lovell, Professor Henry Tasman, PhD <i>Jena</i> MA
	1919-1929	Abbott, George Henry, BA MB ChM	1937-1941	Martin, The Hon. Lewis Ormsby, BA LLB, MLA
	1919-1929	Braddon, The Hon. Sir Henry Yule, KBE, MLC	1938-1939	Harkness, Bertie Clarence, MA
	1919-1949	D'Arcy, Dame Constance Elizabeth, DBE, MB ChM	1939-1941	Davidson, The Hon. Mr Justice Colin George Watt, BA LLB
	1919-1964	Blackburn, Lt-Col. Sir Charles Bickerton, KCMG OBE, BA <i>Adel.</i> Hon. D. Litt <i>N.E.</i> & <i>Syd.</i> Hon. DSc <i>Tas.</i> , <i>N.S.W.</i> & <i>Qld</i> Hon. LL.D. <i>Melb.</i> & <i>W. Aust.</i> MD ChM, FRCP FRSM FRACP Hon. FRCPed	1939-1941	Vonwiller, Professor Oscar Ulric, BSc
			1939-1943	Conlon, Alfred Austin Joseph, BA
			1939-1944	Mackinnon, Malcolm, BA BSc
			1939-1944	Spender, The Hon. Percy Claude, KC, BA LLB
	1920-1924	Ashton, The Hon. James, MLC	1939-1954	Collins, Archibald John, DSO MC, MB ChM, FRACP
	1920-1925	Mills, Arthur Edward, MB ChM		
	1929-1939			
	1921-1923	Carruthers, The Hon. Sir Joseph Hector, MA, MLC		



1940	Gunn, Acting Professor Reginald, MC, BScAgr DVSc	1954-1969	Wyllie, The Reverend Bertram Russell, MA BD
1940-1942	Howie, The Hon. Sir Archibald, MLC	1954-1974	Dougherty, Major-General Sir Ivan Noel, CBE DSO ED, BEC
1940-1942	Clunies Ross, Ian, DVSc	1955-1957	Langley, Alfred Robert McKenzie, BE
1940-1949		1955-1959	O'Neil, Professor William Matthew, MA DipEd ( <i>ex officio</i> )
	Tout, The Hon. Sir Frederick Henry, MLC	1956-1959	Still, Professor Jack Leslie, PhD
1940-1952	McKenzie, John Gordon, BA BEc	1961-1965	<i>Camb. BSc (ex officio 1965-1969)</i>
1941-1953	Martin, The Hon. Clarence Edward, QC, LLB MEc, MLA	1965-1969	Tully, Laurence John, BA LLB, MLA
1942-1944	Woodcock, Lucy Godiva, BA BEc	1956-1965	Macken, James Ernest, MB BS BEc
1942-1946	Ashby, Professor Eric, DSc DIC Lond., ARCS ( <i>ex officio</i> 1942-1944)	1957-1959	Mayes, Professor Bruce Too'mba, MVO, MB BS, FRCSEd FRACS FRCOG
1942-1958	Roper, The Hon. Mr Justice Ernest David, BA LLB	1958-1964	Robson, Leonard Charles, CBE MC, MA Oxf. BSc
1942-1967	Roberts, Sir Stephen Henry, CMG, MA LittD Melb. DSc(Econ) Lond. Hon.LLD Brist., Br. Col. & McG. Hon.DCL Durh. Hon.DLitt N.E. ( <i>ex officio</i> )	1959-1961	Mitchell, Professor Alexander George, PhD Lond. MA ( <i>ex officio</i> )
1942-1970	McDonald, Sir Charles George, KBE KCSG, MB ChM, FRCP FRACP	1959-1963	Meagher, Roderick Pitt, BA LLB
1943-1945	Fowler, Frank William, MA	1959-1969	Elkin, Emeritus Professor Adolphus Peter, CMG, MA PhD
1943-1949	Ogilvie, Florinda Katharine, MBE, BA	1959-1969	Hooke, Sir Lionel George Alfred
1943-1966	Landa, The Hon. Abram, LLB	1959-1983	Deer, Sir Arthur Frederick, CMG, BA LLB BEc
1944-1949	Madsen, Professor Sir John Percival Vissing, DSc Adel. BE BSc ( <i>ex officio</i> 1947-1949)	1959-1984	Archdale, Helen Elizabeth, MBE, BA McG. LLM Lond.
	Knight, Henry William, BE	1960-1965	Magarey, Professor Frank Rees, MD BS Adel., Hon.FRACS FCPATH MRCP MCPA
1944-1959	Bland, Emeritus Professor Francis Armand, CMG, MA LLB	1962-1963	Wittrick, Professor William Henry, MA ScD Camb. PhD, FRAeS AFAIAA FAA
1944-1964	Selle, Walter Albert, CBE, MA	1962-1967	Butlin, Professor Sydney James
1944-1965	Evatt, The Rt Hon. Herbert Vere, MA DLitt LLD Hon.DSc, FRAHS Hon.MAAS		Christopher Lyon, MA DLitt Camb. BEc
	Ferguson, John Alexander	1963-1964	Wilenski, Peter Stephen, MA Oxf.
1945-1947	Travers, William Holmes, BEc	1975-	MPA Harv. MA Car. MB BS
1947-1949	Le Couteur, George Sugden, MA	1964-1967	Fink, Professor Peter Thomas, BE, FRAeS MIMechE MAIAA
1947-1950	Trendall, Professor Arthur Dale, MA Camb. LittD MA N.Z., FSA ( <i>ex officio</i> 1949-1950, 1952-1953)	1964-1968	Murray, Sir Angus Johnston, OBE, MB ChM, FRCSEd FRCOG
1952-1953		1964-1969	Dougan, The Reverend Alan Abernethy, MA
1947-1951	McMillan, Professor John Rustin	1964-1969	Kirby, Michael Donald, MA BEc LLM
1964-1965	Alfred, MSc C'nell DScAgr	1964-1974	Brereton, The Honourable Mr Justice Le Gay, BA LLB
1948	Priestley, Professor Henry, MD ChM BSc	1964-	Selby, The Hon. David Mayer, ED, BA LLB
1949-1952	Burges, Professor Norman Alan, PhD Camb. MSc, FLS ( <i>ex officio</i> )	1965-1967	Pettingell, William Walter, CBE, BSc
1949-1955	Watson, John Glenton, BA MB BS BEc	1965-1976	Doyle, Keith Ralph, BEc, MLA
1949-1959	Lions, Francis, BSc PhD Manc., ARIC	1966-1967	Farrell, Professor Ralph Barstow, Drphil Berl. MA
1949-1959	Windeyer, The Hon. Sir Victor, KBE CB DSO ED, MA LLB	1966-1967	Loewenthal, Professor John, CMG ED, MS Melb. MB BS, FRCS FRACS FACS Hon.FACS Hon.FRCSEd FCS(SA)
1949-1967	Downing, The Hon. Robert Reginald, LLB Hon.LLD, MLC	1966-1967	Roderick, Professor Jack William, MA Camb. MSc PhD Brist., FAA AFRAeS MISTRUC E MICE MASCE MIEAust
1949-	Black, Sir Hermann David, Hon.DLitt N'cle(N.S.W.) MEc, FCIS	1966-1978	Edgar, Grahame, OBE, DVSc, ARCVS FACVS
1950-1951	McRae, Professor Christopher Ralph, MA DipEd Melb. PhD Lond. ( <i>ex officio</i> )	1967-1968	Bridges, The Hon. Arthur Dalgety, MLC, FCA
1953-1955		1967-1971	Priddle, Raymond Arthur, BE, MIEAust
1950-1961	Shatwell, Professor Kenneth Owen, MA BCL Oxf.	1967-1981	Williams, Professor Sir Bruce, KBE, BA Melb. MA Adel. MA(Econ) Manc. Hon.DLitt Keele, FASSA
1969-1971	Room, Professor Thomas Gerald, ScD Camb., FRS FAA	1968	Benjafield, Professor David Gilbert, DPhil Oxf. LLB
1952-1956	Ford, Professor Edward, OBE, BS MD Melb. DPH Lond. DTM, FZS FRSanI FRACP	1968-1969	Bain, Associate Professor Robert Vernon Stuart, MSc Adel. BVSc
1960-1963			
1952-1957			
1952-1961	Arnott, Professor Alwyn James, DDSc, FDSRCS FACD FICD		
1952-1969	Wyndham, Sir Harold Stanley, CBE, EdD Stan. MA DipEd		
1953-1956	Walsh, Louis Andrew, BEc, MLA		
1954-1969	Stout, Emeritus Professor Alan Ker, MA Oxf.		

OFFICERS	1968-1969 } Rogers, Professor Harold Leslie, MA	1975-	McBride, William Griffith, AO CBE,
	1974-1975 } <i>Oxf.</i>		MD BS, FRCOG
	1968-1971 } Johnson, Professor Richard Norman,	1976	Gausson, Robert Peter
			BArch, FRAIA ARIBA
	1968-1976 } Hewitt, The Hon. Frederick Maclean,	1976-1977	O'Donnell, Roderick Macduff, BE
			MEngSc <i>Qld</i>
	1969-1971 } Spigelman, James Jacob, BA LLB	1976-1978	Johnson, Anthony Valentine Patrick,
	1969-1972 } Verco, David James Armour, MA		MP
		1976-1979	Hunter, Associate Professor Robert
			John, BSc PhD, FRACI
	1969-1973 } Taylor, Professor Michael Gleeson,	1976-1982	Renwick, Professor Charles Cyril,
			Mec
		1976-1977 } Bennett, Professor John Makepeace,	
	1969-1974 } Blackburn, Professor Charles Ruthven	1980-1983	BE(Civ) BE(Mech. & Elec.) BSc <i>Qld</i>
			PhD <i>Camb.</i> FTS FBCS FIEAust FIMA
	1969-1974 } Bickerton, ED, MD BS, FRCP FRACP		LMACS
		1977-1978	Fisk, Nicholas Maxwell
	1969-1974 } Kramer, Professor Leonie Judith, BA	1978	Ramjan, Barbara Mary
		1978-1979	Naple, Alexander Edward, BEc LLB
	1969-1974 } Langley, Doreen Moira, MBE, BSc		
		1978-1980	Landa, The Hon. David Paul, LLB,
	1969-1974 } DipDiet DipCrim	1981-1984	MLC
		1978-1981	Ashley, John Jaye, PhD <i>Calif.</i> MSc,
	1969-1974 } Wheelwright, Associate Professor		MPS
	1976-1977 } Edward Lawrence, DFC, MA <i>St. And.</i>	1978-1981	Bandler, Faith
	1986- } Mec	1978-1981	Campbell-Allen, Professor Denison,
	1969-1975 } Barton, Gordon Page, BA LLB BEc		MA <i>Camb.</i> , FICE FIEAust MRAeS
	1969-1975 } Kelly, Sir Theo, OBE	1978-1981	Young, Professor John Atherton, MD
	1969-1978 } Lowndes, Arthur George, CBE, MSc	1984-1985	BS BSc(Path) DSc <i>Qld</i> , FRACP
	1970-1971 } Butterfield, Professor Rex Milton, PhD	1978-1984	Cavalier, Rodney Mark, BA MP
	1978-1979 } DVSc <i>Qld</i> MVSc, FACVSc	1978-1986	Short, Laurence Elwyn, AO OBE
	1970-1975 } Hope, The Hon. Mr Justice Robert	1979	Abbott, Anthony John, BEc
		1979	Havyatt, David Stephen
		1979-1983	Boden, Alexander, BSc, FRACI
	1970-1977 } Butler, Professor Stuart Thomas, PhD	1979-	Georgouras, Katherine Evelyn, MB BS
	1979-1982 } <i>Birm.</i> MSc <i>Adel.</i> DSc <i>A.N.U.</i> , FAA		DDM, FACD
	1971-1973 } Waters, William James, MEc	1980	Britton, Anne Kathleen
	1972 } Willis, Eric Archibald, BA, MLA	1980	Coleman, Tanya Pamela
	1972-1973 } Balaam, Leslie Norman, BSc <i>Qld</i> MSc	1980	Pik, Andrew John, MSc <i>Calg.</i> BSc
	1972-1973 } Jones, Alexander Idrisyn, MA LLB	1980-1981	Kaldis, The Hon. James, MLC
	1972-1973 } Martin, Professor Noel Desmond,	1980-1981	Stanbury, Peter John Terence
			Cathcart, BSc PhD <i>Adel.</i> , AMAA
			Mackinolty, John George, LLM <i>Melb.</i>
		1980-	Brereton, Paul Le Gay, BA
		1981	Sheehan, Sarah Hamline Jean
		1981	Whitlam, The Hon. Edward Gough,
		1981-1983	AC, QC, BA LLB Hon. DLitt
		1986-	Bastick, Susan Mary, BA
		1982	Farrar, Adam, BA
	1974 } Phillips, Associate Professor Jack	1982-1983	Wormell, Paul, BSc
			Bauer, Gaston Egon, MB BS, FRACP
		1982-	FRCP FACC
		1982-	Berzins, Baiba Beata, MA
	1974-1975 } Lees, Edith May, BSc PhD <i>Lond.</i>		DipArchAdmin <i>N.S.W.</i> BA
	1974-1977 } Ward, Professor John Manning, AO,	1982-	Collis-George, Professor Neville, MSc
	1981- } MA LLB, FAHA FASSA FRAHS		<i>Manc.</i> PhD <i>Camb.</i>
	1974-1979 } Simons, Associate Professor John	1982-1985	Lahy, Patricia Mary, PhD <i>Belf.</i> BA
		1982-1985	Sabine, Associate Professor Jean
			Margaret, MSc <i>Melb.</i> PhD <i>Lond.</i> ,
	1974-1983 } Brown, Harold Thomas		Hon. FACVSc MASM
	1974-1983 } Watson, Professor Thomas Robert,	1982-1986	Swan, Douglas Arthur, AO, BA,
			FACE
		1982-1985	Wilson, Professor Peter Robert, BA
	1975 } Brimaud, Kenneth Maurice		MSc <i>Melb.</i> PhD, FRAS
	1975 } McNaught, Helen Jane	1983	Ingram, Katherine, BSc <i>Macq.</i>
	1975-1976 } Webb, The Rev. Norman Charles, MA	1983	Martin, John Kenneth, BEc
		1983-	Block, David Greenberg, AO
		1983-	Chambers, Emeritus Professor
	1975-1977 } Patch, David Hugh		Raymond John, AO, BEc DScEcon,
	1975-1978 } Parsons, Robin June, PhD <i>Macq.</i> BA		FASA FASSA
	1975-1979 } Maze, Wilson Harold, MBE, MSc	1983-	Coles, Kenneth George, BE, MIEAust
	1975-1979 } Munro, Barbara Constance Wyburn,		FIEMechE FAIM
		1983-1986	Hill, David, MEc
	1975-1982 } Kok, Daphne Anne, BA LLM		
	1984- } Proud, Sir John Seymour, BE		
	1975-1983 } Burfit-Williams, Grosvenor Charles		
	1975- } Thomas, DO <i>R.C.P.&amp;S.</i> MB, BS,		

1983-1986 McClelland, The Hon. Mr James Robert, BA LLB  
 1983-1986 Refshauge, Andrew John, MB BS, MP  
 1984- Johnson, Betty Dorothy  
 1984-1985 Egerton, Professor John Ross, BVSc *Qld DipBact Lond.*, MACVSc MASM  
 1984- Ferguson, Laurie Donald Thomas, BEc MA, MP  
 1984- Vaughan, The Hon. Bryan Henry, LLB, MLC  
 1984 Bunbury, Jude Charles  
 1984-1985 Paterson, Bruce Robert  
 1984 Plummer, Julie Anne  
 1984- Yen, Stephen Mark, BEc  
 1985 Heyward, Trevor Mark  
 1986- McAuley, Naomi Gay Dawson, BA PhD *Brist.*  
 1986 Reekie, Gail Patricia, BA *Murdoch, MA State Univ. of N. Y. (Binghamton)*  
 1986- Ryan, Adrian John, PhD *Manc.* MSc  
 1986- Spate, Professor Virginia Margaret, MA *Melb. & Camb.* PhD *Bryn Mawr Coll.*, FAHA  
 1986 Spowart, Helen, BA  
 1986- Temple, Associate Professor Diana Marmion, BSc *W. Aust* MSc PhD  
 1986- Walker, Professor Norman Alan, BSc *Qld PhD Tas.*, FAA  
 1986- George, Jennie, BA DipEd  
 1986 Berwick, Devleena Ghosh, MA(Hons) *Jadavpur*  
 1986 Cass, Alan

## Honorary awards

SENIOR  
OFFICERS  
SINCE  
ESTABLISHMENT  
HONORARY  
AWARDS

### Honorary Fellows

1985 George, Arthur Thomas  
 1985 Halliday, George Clifton, MB ChM, FRCS, FRACS  
 1985 O'Neil, Kathleen, BA DipEd  
 1985 Tribe, Kenneth Wilberforce, LLB  
 1985 Tyree, William, OBE, DipEE, FIEAust  
 1986 Black, Joyce, BA  
 1986 Irish, Ronald Arthur, OBE, FCA  
 1986 Langley, Doreen Moira, MBE, BSc, DipDiet, DipCrim *Melb.*  
 1986 Ludwig, Daniel Keith  
 1986 Nicholas, Sheila

### Honorary Degree Recipients

1952 Aitken, Robert Stevenson, DSc  
 1952 Appleton, Edward Victor, DSc  
 1952 Cahill, John Joseph, LLD  
 1952 Cockcroft, Douglas, DSc  
 1952 Evatt, Herbert Vere, DSc  
 1952 Garran, Robert Randolph, LLD  
 1952 Gregg, Norman McAlister, DSc  
 1952 Heffron, Robert James, DLitt  
 1952 Holme, Ernest Rudolph, DLitt  
 1952 Hughes, William Morris, LLD  
 1952 Lewis, Essington, DSc  
 1952 McIlrath, Martin, LLD  
 1952 Mackay, Iven Giffard, LLD  
 1952 McKell, William John, LLD  
 1952 Mawson, Douglas, DSc  
 1952 Menzies, Robert Gordon, LLD  
 1952 Northcott, John, DLitt  
 1952 Page, Earle Christmas Grafton, DSc  
 1952 Street, Kenneth Whistler, LLD  
 1953 Slim, William Joseph, LLD  
 1954 Gropius, Walter, DSc  
 1954 Learmonth, James, DSc  
 1954 Madsen, John Percival Vissing, DSc  
 1954 Morris, Charles Richard, DLitt  
 1955 Basser, Adolph, DSc  
 1955 Bauer, Louis Hopewell, DSc  
 1955 Falkiner, George Brereton Sadleir, DSc  
 1955 Ferguson, John Alexander, DLitt  
 1955 MacKenzie, Norman Archibald MacRae, LLD  
 1955 Paton, George Whitecross, LLD  
 1955 Stackpole, Stephen Henry, LLD  
 1956 Fairley, Neil Hamilton, DSc  
 1957 Bowen, Edward George, DSc

OFFICERS	1957	Childe, Vere Gordon, DLitt	1979	Beazley, Kim Edward, DLitt
	1957	Rt Hon. the Lord Morton of Henryton, LLD	1980	Pear, Donald Richard, DMus
	1957	Parry Okeden, Richard Godfrey Christian, DSc	1980	Geddes, Hector John, DScAgr
	1959	Debenham, Frank, DSc	1980	Christiansen, Wilbur Norman, DScEng
	1959	Tunku Abdul Rahman Putra Al-Haj, LLD	1980	Melville, Leslie Galfreid, DScEcon
	1959	Taylor, Thomas Griffith, DLitt	1980	Cowen, Zelman, DLitt
	1959	Woodward, Eric Winslow, DLitt	1981	Greenwood, James Harold, MEC
	1959	Wurth, Wallace Charles, LLD	1981	Flynn, Francis Stanislaus, MD
	1960	Dobzhansky, Theodosius, DSc	1981	Whitlam, Edward Gough, DLitt
	1960	Robinson, Robert, DSc	1981	Capell, Arthur, DLitt
	1961	Allman, George Faunce, DLitt	1981	Stone, Julius, LLD
	1961	Macfarlane Burnet, Frank, DSc	1981	Passmore, John Arthur, DLitt
	1961	Green, Cecil Howard, DSc	1981	Wood, David Roy Vernon, MEC
	1961	Halloran, Aubrey, LLD	1982	Salmon, Edward Togo, DLitt
	1961	Mackness, George, DSc	1982	Maze, Wilson Harold, DSc
	1961	Madgwick, Robert Bowden, DLitt	1982	Williams, Bruce Rodda, DLitt
	1962	Bennett, Isobel I., MSc	1982	Williamson, Malcolm Benjamin Graham Christopher, DMus
	1963	His Excellency the Rt Hon. Viscount De L'Isle, LLD	1982	Beattie, Alexander Craig, LLD
	1964	Tilley, Cecil Edgar, DSc	1982	Kitto, Frank Walters, LLD
	1965	Blackburn, Charles Bickerton, DLitt	1982	Emmens, Clifford Walter, DVSc
	1965	Schonell, Fred, LLD	1983	Bishop, Peter Orlebar, MD
	1965	Vernon, James, DSc	1983	Hogbin, Herbert Ian Priestley, DLitt
	1966	Martin, Leslie Harold, DLitt	1983	Brown, Keith Osborne, DEng
	1967	Cutler, Arthur Roden, LLD	1983	Davidson, James Arthur, DEng
	1967	Selle, Walter Albert, LLD	1983	Miller, Peter Owen, DEng
	1968	Casey, Richard Gardiner, DSc	1983	Rowland, James Anthony, DEng
	1968	Perkins, James Alfred, LLD	1983	Goulston, Stanley Jack Marcus, MD
	1968	Roberts, Stephen Henry, DLitt	1983	Harris, Henry, MD
	1968	Todd, Alexander Robertus, DLitt	1983	McDonald, Geoffrey Lance, MD
	1968	Coombs, Herbert Cole, LLD	1983	Osborne, Virginia Esther, MVSc
	1969	Telfer, Margaret Alison, DLitt	1984	Hanbury-Brown, Robert, DSc
	1969	Williams, Thomas, MEC	1984	Boden, Alexander, DSc
	1970	Beaglehole, John Cawte, DLitt	1984	Street, Laurence Whistler, LLD
	1970	Elkin, Adolphus Peter, DLitt	1984	Nelson, Selwyn Graham, MD
	1970	Lemberg, Max Rudolf, DSc	1984	Deer, Arthur Frederick, DScEcon
	1970	Rees, Lloyd Frederic, DLitt	1984	Else-Mitchell, Rae, DLitt
	1971	Wilkinson, Leslie, DLitt	1984	Gordon, John Douglas, MMus
	1971	Ford, Edward, DLitt	1984	Plimsoll, James, DScEcon
	1971	Kesteven, Keith Valentine Leighton, DVSc	1984	Proud, John Seymour, DEng
	1971	Mackerras, Ian Murray, DSc	1984	Stephen, Ninian Martin, LLD
	1971	Tedeschi, Rosina, MA	1984	Sutherland, Joan, DMus
	1972	Barwick, Garfield Edward John, LLD	1985	Nicks, Rowan, MD
	1972	Crawford, John Grenfell, DScEcon	1985	Cracknell, Ruth Winifred, DLitt
	1972	Downing, Robert Reginald, LLD	1985	Roderick, Jack William, DEng
	1972	Trendall, Arthur Dale, DLitt	1985	Archdale, Helen Elizabeth, DLitt
	1973	Ashby, Eric, DLitt	1985	Ryan, Edna, DLitt
	1973	Gunther, John Thomson, MD	1985	Evatt, Elizabeth Andreas, LLD
	1973	Larnach, Stanley Lorin, MSc	1985	Mulvey, Margaret, MD
	1973	Spender, Percy Claude, LLD	1985	Warren, Grace, MD
	1973	Walker, Ronald, DScEcon	1985	Craig, David Parker, DSc
	1974	Auchmuty, James Johnston, DLitt	1985	Le Fevre, Raymond James Wood, DSc
	1974	Bentley, Charles Findlay, MA	1985	Nossal, Gustav Joseph Victor John, DSc
	1974	Dods, Lorimer Fenton, DSc	1986	Bain, Robert Vernon Stuart, DVSc
	1975	Windeyer, William John Victor, LLD	1986	Barnard, Marjorie Faith, DLitt
	1976	Bullen, Keith Edward, DSc	1986	Cuthbert Browne, Grace Johnston, MD
	1976	Dougherty, Ivan Noel, LLD	1986	Hazard, John Newbold, LLD
	1976	Sugerman, Bernard, LLD	1986	Miller, Jacques Francis Albert Pierre, MD
	1976	McKinney, Judith Arundell Wright, DLitt	1986	Parker, Norma Alice, DLitt
	1976	Barton, Derek Harold Richard, DSc	1986	Thorp, Roland Herbert, DSc
	1976	Lehany, Frederick John, DSc		
	1976	Brook, Arthur James, BA		
	1977	Nolan, Sidney Robert, DLitt		
	1977	Birch, Arthur John, DSc		
	1977	Cornforth, John Warcup, DSc		
	1978	Osborn, Andrew Delbridge, DLitt		
	1979	Miller, Ian Douglas, MD		
	1979	Windeyer, Brian Wellingham, MD		
	1979	O'Neil, William Matthew, DLitt		
	1979	Watson, Irvine Armstrong, DScAgr		
	1979	Borrie, Wilfred David, DScEcon		

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# Royal Charter of the University of Sydney

ROYAL CHARTER

February 27th, 1858

Recites Act of Incorporation.

VICTORIA, by the Grace of God, of the United Kingdom of Great Britain and Ireland, Queen, Defender of the Faith, to all to whom these presents shall come Greeting: WHEREAS under and by virtue of the provisions of an Act of the Governor and Legislative Council of our Colony of New South Wales, passed in the fourteenth year of our reign, No. 31, intituled 'An Act to Incorporate and Endow the University of Sydney', and to which our Royal Assent was granted on the 9th day of December, One Thousand Eight Hundred and Fifty-one, a Senate, consisting of Sixteen Fellows, was incorporated and made a body politic with perpetual succession, under the name of the University of Sydney, with power to grant, after Examination, the several degrees of Bachelor of Arts, Master of Arts, Bachelor of Laws, Doctor of Laws, Bachelor of Medicine, and Doctor of Medicine, and to examine for Medical Degrees in the four Branches of Medicine, Surgery, Midwifery and Pharmacy. AND whereas our trusty and well-beloved Sir William Thomas Denison, Knight Commander of our most honourable Order of the Bath, Lieutenant-Colonel in the Royal Engineers, our Captain-General and Governor-in-Chief in and over our said Colony,

Petition of Senate

Soliciting recognition of Degrees conferred by the University.

University of Sydney is not below that prescribed by the most learned Universities of the United Kingdom, and the direction of the studies in the said University has been committed to Professors who have highly distinguished themselves in British Universities, that the rules under which the high standard in the Univer-

sity has been fixed cannot be altered without the approval of our representative in the Colony, and that there is invested in him the power of interference should the rules laid down be unduly relaxed in practice, and that, therefore, the Memorialists confidently hope that the Graduates of the University of Sydney will not be inferior in scholastic requirements to the majority of Graduates of British Universities, and that it is desirable to have the degrees of the University of Sydney generally recognized throughout our dominions; and it is also humbly submitted that although our Royal Assent to the Act of Legislature of New South Wales hereinbefore recited fully satisfies the principle of our law that the power of granting degrees should flow from the Crown, yet that as that assent was conveyed through an Act which has effect only in the territory of New South Wales, the *Memorialists believe that the degrees granted by the said University under the authority of the said Act, are not legally entitled to recognition beyond the limits of New South Wales*; and the Memorialists are in consequence most desirous to obtain a grant from us of Letters Patent requiring all our subjects to recognize the degrees given under the Act of the Local Legislature in the same manner as if the said University of Sydney had been an University established within the United Kingdom under a Royal Charter or an Imperial enactment; and the Memorialists therefore hereby most humbly pray that we will be pleased to take the premises into our gracious consideration and grant to the University of Sydney Letters Patent effective of the object therein set forth.

NOW KNOW YE that we, taking the premises into consideration, and deeming it to be the duty of our Royal office, and for the advancement of religion and morality and the promotion of useful knowledge to hold forth to all classes and denominations of our faithful subjects, without any distinction whatsoever, throughout our dominions *encouragement for pursuing a regular and liberal course of education*, and considering that many persons do prosecute and complete their studies in the Colony of New South Wales, on whom it is just to confer such distinctions and rewards as may induce them to persevere in their laudable pursuits; do, by virtue of our Prerogative Royal and our especial Grace and certain knowledge and mere motion, by these presents of us, our heirs and successors, will, grant and declare that the Degrees of Bachelor of Arts, Master of Arts, Bachelor of Laws, Doctor of Laws, Bachelor of Medicine, and Doctor of Medicine, already granted or conferred or

Such recognition granted.

hereafter to be granted or conferred by the Senate of the said University of Sydney shall be recognized as Academic distinctions and rewards of merit *and be entitled to rank, precedence, and consideration* in our United Kingdom and in our Colonies and possessions throughout the world *as fully as if the said Degree had been granted by any University of our said United Kingdom*. And we further will and ordain that *any variation of the Constitution of the said University* which may at any time or from time to time be made by an Act of the said Governor and Legislature shall not, *so long as the same or a like standard of knowledge is in the opinion of the said Governor preserved as a necessary condition for obtaining the aforesaid degrees therein*, in any manner annul, abrogate, circumscribe, or diminish the privileges conferred on the said University by these our Royal Letters Patent, nor the ranks, rights, privileges, and consideration conferred by such degrees. And, lastly, we do hereby for us, our heirs, and successors, grant and declare that these our

Letters Patent or the enrolment or exemplification thereof shall be in and by all things valid and effectual in law according to the true intent and meaning of same, and shall be construed and adjudged in the most favourable and beneficial sense to the best advantage of the said University, as well in all our courts as elsewhere, notwithstanding any non-recital, uncertainty, or imperfection in these our Letters Patent. IN WITNESS whereof we have caused these our Letters to be made Patent.

Witness ourself at Westminster, the Twenty-seventh day of February, in the Twenty-first year of our Reign.

By WARRANT under the Queen's sign manual.

C. ROMILLY.

# The University and University Colleges Act, 1900

(As amended by the Acts of 1902, 1912, 1916, 1924, 1936, 1937, 1948, 1951, 1952, 1959, 1965, 1973, 1978 and 1984)

An Act to consolidate the Acts relating to the University of Sydney and Colleges within the University of Sydney.

[Assented to 22nd September, 1900.]

WHEREAS it is expedient for the better advancement of religion and morality and the promotion of useful knowledge, to hold forth to all classes and denominations of Her Majesty's subjects resident in New South Wales, without any distinction whatsoever, an encouragement for pursuing a regular and liberal course of education; and to ascertain by means of examination the persons who acquire proficiency in literature, science, and art, and to reward them by academical degrees as evidence of their respective attainments and by marks of honour proportioned thereto; and to encourage and assist the establishment of colleges within the University of Sydney, in which colleges systematic religious instruction and domestic supervision, with efficient assistance in preparing for the University lectures and examinations, shall be provided for students of the University; Be it therefore enacted by the Queen's Most Excellent Majesty, by and with the advice and consent of the Legislative Council and Legislative Assembly of New South Wales in Parliament assembled, and by the authority of the same, as follows:

## PART I

### Preliminary

1. This Act may be cited as the 'University and University Colleges Act, 1900' and is divided into Parts and Divisions, as follows:

PART I.—*Preliminary*.—ss. 1–5.

PART II.—*Incorporation and constitution of the University and provisions relating to the Senate*.—ss. 6–18.

PART III.—*Examinations and degrees*.—ss. 19–23.

PART IV.—*Endowment and finance*.—ss. 23A–29.

PART V.—*Exhibitions, Lectures, Matriculation and Privileged Officials*.—ss. 31A–32.

PART VI.—*Colleges within the University*—

Division 1.—*Interpretation*.—s. 33.

Division 2.—*Endowment*.—ss. 34–40.

Division 3.—*Government of students*.—s. 41.

PART VII.—*Colleges outside the Sydney Metropolitan Area*.—ss. 42–46.

**PART VIII.—Acquisition of land.—ss. 47, 48.**

2. (1) The Acts mentioned in the Schedule to this Act are, to the extent therein expressed, hereby repealed.

(2) All persons elected or appointed under the Acts hereby repealed, and holding office at the time of the passing of this Act, shall continue in office as if this Act had been in force at the time they were appointed, and they had been appointed hereunder.

(3) All regulations or by-laws made under the authority of any Act hereby repealed, and being in force at the time of the passing of this Act, shall be deemed to have been made under the authority of this Act, and references in such regulations to the provisions of any Act hereby repealed shall be deemed to be references to the corresponding provisions of this Act.

3. In this Act, unless the context or subject-matter otherwise indicates or requires—

‘Bachelor’ means any person upon whom the degree of Bachelor has been conferred by the University.

‘Doctor’ means any person upon whom the degree of Doctor has been conferred by the University.

‘Exhibition’ means public exhibition awarded to a student who intends to graduate in the University.

‘Fellow’ means a member of the Senate.

‘Higher School Certificate’ means a higher school certificate granted in accordance with the provisions of Part III of the Education Act, 1961.

‘Leaving Certificate’ means—

(1) the leaving certificate granted by the Department of Public Instruction on the recommendation of the Board of Secondary School Studies, in pursuance of regulations under the Public Instruction Act of 1880, and the Acts amending it, to a student leaving a secondary or high school which he has attended; or

(2) a leaving certificate granted by the Department of Public Instruction on the recommendation of the Board of Secondary School Studies to a student leaving a school—(registered under the Bursaries Endowment Act, 1912, and not under the Department of Public Instruction)—who has complied with the conditions prescribed for the leaving certificate granted in pursuance of regulations under the Public Instruction Act of 1880 and the Acts amending it.

‘Master’ means any person upon whom the degree of Master has been conferred by the University.

‘University’ means the University of Sydney.

4. Nothing in this Act shall be deemed to affect or interfere with any right, title, or interest of Her Majesty, Her Heirs and Successors, or in any way to limit the Royal Prerogative.

5. The benefits and advantages of the University, and the provisions of this and any other Act relating thereto, shall be deemed to extend in all respects to women equally with men.

porated by that name under the Act fourteenth Victoria number thirty-one, and shall, by that name, have a perpetual succession and a common seal and power to sue and be sued, and to take, purchase, and hold all real and personal property whatsoever, whether the same is situate in New South Wales or elsewhere, and to grant, demise, alien, or otherwise dispose of the same, and also to do all other matters and things incidental or appertaining to a body politic.

Provided that the University shall not, unless with the approval of the Minister, alienate, mortgage, charge, or demise any of its lands, except by way of lease for any term not exceeding thirty-one years from the making thereof, by which lease there shall be reserved and made payable during the whole of the term the best yearly rent that can reasonably be obtained without any fine or foregift.

7. (1) The body politic and corporate of the University of Sydney shall consist of a Senate, which shall be constituted by—

- (a) four Fellows appointed by the Minister;
- (b) one Fellow elected by and from the members of the Legislative Council;
- (c) one Fellow elected by and from the members of the Legislative Assembly;
- (d) eight Fellows elected by and from such members of the full-time staff of the University as may be prescribed by the by-laws;
- (e) ten Fellows elected from persons who are ineligible for election under paragraph (d) by persons who are graduates of the University;
- (f) three Fellows elected from persons who are enrolled as candidates proceeding to a degree or diploma in the University and who are ineligible for election under paragraph (d) by persons who are enrolled as candidates proceeding to a degree or diploma in the University;
- (g) one Fellow who shall be the person for the time being holding the office of Chancellor, where he is not otherwise a Fellow;
- (h) one Fellow who shall be the person for the time being holding the office of Vice-Chancellor; and
- (i) three Fellows elected by the other Fellows referred to in this subsection.

(2) An election for the purposes of the election of—

- (a) the Fellow referred to in paragraph (b) of subsection (1), shall be held—
  - (i) as soon as practicable after each periodic Council election within the meaning of section 3 of the Constitution Act, 1902; or
  - (ii) Where there is a casual vacancy in the office of that Fellow as soon as practicable after that office becomes vacant;
- (b) the Fellow referred to in paragraph (c) of subsection (1), shall be held—
  - (i) as soon as practicable after each general election of members of the Legislative Assembly; or
  - (ii) where there is a casual vacancy in the office of that Fellow as soon as practicable after that office becomes vacant; and
- (c) the Fellows referred to in paragraphs (d), (e), (f) and (i) of subsection (1), shall be held in each case or class of cases as may be prescribed by the by-laws.

(3) For the purposes of paragraph (e) of subsection (1) ‘graduates of the University’ includes—

- (a) the Fellows;
- (b) the persons specified in section 32 who by virtue of that section have the same rights and privileges within the University as are enjoyed by Masters and Doctors; and

THE ACT

Repeal  
Schedule.

Officers under  
Acts hereby  
repealed.

Regulation  
or by-laws  
under Acts  
hereby  
repealed.

Interpretation.

Act not to  
interfere  
with rights  
of Her  
Majesty.

Women to be  
admitted to  
University  
Privileges.

**PART II**

**Incorporation and constitution of the University and provisions relating to the Senate.**

The University  
of Sydney.

6. The University of Sydney is the body politic and corporate incor-

(c) the persons who possess any certificate or qualification which the Senate may, by by-law made for the purposes of this paragraph, declare to be equivalent to the degree of Bachelor.

(3A) For the purposes of subsection (1) (d), 'members of the full-time staff of the University' includes persons—

(a) upon whom the Senate has conferred the title of Professor, Reader, Associate Professor, Senior Lecturer or Lecturer; and

(b) who are members of the full-time staff of such institutions or organisations as may be prescribed by the by-laws.

(4) Where a person (not being a person who is a Fellow) is appointed at any time by the Senate to act in the place of the Vice-Chancellor, that person shall, while so acting, be deemed to be a Fellow.

**8. (1)** Subject to this Act, a Fellow shall hold office—

Tenure of  
office of  
Fellows.

(a) in the case of a Fellow appointed by the Minister, for a term of four years;

(b) in the case of a Fellow referred to in paragraph (b) or (c) of subsection (1) of section 7, until a member of the House of Parliament that elected him is elected by that House to replace him; and (c) in the case of a Fellow referred to in paragraph (d), (e), (f) or (i) of subsection (1) of section 7, for such term not exceeding four years as the by-laws may prescribe.

(2) A retiring Fellow shall not, by reason only of his retirement, be disqualified from again becoming a Fellow.

(3) A by-law for the purposes of paragraph (c) of subsection (1) may—

(a) prescribe a term of office by reference to determined, or determinable, days of commencement and termination;

(b) prescribe different terms of office in respect of different classes of Fellows; and

(c) provide for the retirement in rotation of Fellows of a particular class or classes.

**9.** A Fellow shall be deemed to have vacated his office if he—

(a) dies;

(b) [*Repealed*]

(c) declines to act;

(d) resigns his office by writing under his hand addressed—

(i) in the case of a Fellow referred to in paragraph (a) of subsection (1) of section 7, to the Minister;

(ii) in the case of a Fellow referred to in paragraph (b) of subsection (1) of section 7, to the President of the Legislative Council;

(iii) in the case of a Fellow referred to in paragraph (c) of subsection (1) of section 7, to the Speaker of the Legislative Assembly; and

(iv) in the case of a Fellow referred to in paragraph (d), (e), (f) or (i) of subsection (1) of section 7, to the Vice-Chancellor;

(e) becomes in the case of a Fellow referred to in paragraph (d), (e), (f) or (i) of subsection (1) of section 7, bankrupt, applies to take the benefit of any law for the relief of bankrupt or insolvent debtors, compounds with his creditors or makes any assignment of his estate for their benefit;

(f) becomes, in the case of a Fellow referred to in paragraph (d), (e), (f) or (i) of subsection (1) of section 7, a temporary patient or a continued treatment patient, a protected person or an incapable person within the meaning of the Mental Health

Act, 1958, or a person under detention under Part VII of that Act;

(g) absents himself, in the case of any Fellow other than a Fellow referred to in paragraph (b), (c), (g) or (h) of subsection (1) of section 7, from four consecutive meetings of the Senate without leave of the Senate;

(h) ceases, in the case of a Fellow referred to in section 7 (1) (b)—

(i) to be a member of the Legislative Council otherwise than by reason of section 22B (1) (c) of the Constitution Act, 1902; or

(ii) to be a member of the Legislative Council by reason of section 22B (1) (c) of that Act and does not become a candidate at the next periodic Council election within the meaning of section 3 of that Act or, as the case may be, becomes a candidate but is not elected;

(i) ceases, in the case of a Fellow referred to in paragraph (c) of subsection (1) of section 7—

(i) to be a member of the Legislative Assembly otherwise than by reason of its dissolution or its expiration by effluxion of time; or

(ii) to be a member of the Legislative Assembly by reason of its dissolution or its expiration by effluxion of time and does not become a candidate at the next general election of members of that Assembly or, as the case may be, becomes a candidate but is not elected;

(j) ceases, in the case of a Fellow referred to in paragraph (d) of subsection (1) of section 7, to be a member of the body referred to in that paragraph;

(k) becomes, in the case of a Fellow referred to in paragraph (e) or (f) of subsection (1) of section 7, a member of such class or classes of members of the full-time staff of the University as may be prescribed by the by-laws; or

(l) ceases, in the case of a Fellow referred to in paragraph (f) of subsection (1) of section 7, to be enrolled as a candidate proceeding to a degree or diploma in the University.

**9A.** A casual vacancy in the Senate shall—

Casual  
vacancy.

(a) in the case of a Fellow referred to in paragraph (a) of subsection (1) of section 7, be filled by such person as the Minister may appoint; and

(b) in the case of a Fellow referred to in paragraph (d), (e), (f) or (i) of subsection (1) of section 7, be filled in such manner as may be prescribed by the by-laws, by a person qualified in accordance with that section to be elected to the vacancy concerned, and any Fellow filling a casual vacancy under this section shall hold office for the residue of the term of office of his predecessor.

**10. (1)** The Senate shall elect, by a majority of votes, a Chancellor of the University, who shall hold office for such period as the Senate shall from time to time appoint.

Chancellor.

(2) Whenever a vacancy occurs in the office of Chancellor of the University by reason of death, resignation, or otherwise, the Senate shall elect a person (whether a Fellow or not) to be Chancellor of the University.

Vacancies in  
office of  
Chancellor.

**11. (1)** The Senate shall annually, on a day of which due notice has been given, elect out of their own body a Deputy Chancellor of the University, who shall hold office for one year.

Deputy  
Chancellor.

Vacancies in office of Deputy Chancellor.

(2) Whenever a vacancy occurs in the said office by death, resignation, or otherwise before the expiration of the year of office, the Senate shall, as soon as conveniently may be, hold a meeting of which due notice has been given, and at such meeting elect out of their own body some other person to be Deputy Chancellor for the remainder of the year.

Deputy Chancellor eligible for re-election.

(3) Any Deputy Chancellor shall be capable of re-election as often as is deemed meet.

Chairman of meetings of the Senate.

12. At every meeting of the Senate the Chancellor or, in his absence, the Deputy Chancellor shall preside as chairman, but if the Chancellor and the Deputy Chancellor are both absent, the Fellows present shall elect a chairman.

Questions how decided.

13. (1) All questions which come before the Senate shall be decided at any meeting duly convened, at which a quorum is present, by a majority of the votes of the Fellows present.

Chairman.

(2) The Chairman at any such meeting shall have a vote, and in case of an equality of votes a second or casting vote.

Quorum.

(3) At any such meeting fourteen Fellows shall form a quorum.

(4) No act or proceeding of the Senate or any committee thereof, or of the Vice-Chancellor or any other person acting pursuant to any direction of the Senate, shall be invalidated or prejudiced by reason only of the fact that at the time the act or proceeding was done, taken or commenced there was a vacancy or a number of vacancies, not exceeding ten, in the office or offices of any Fellow or Fellows.

(5) All acts and proceedings of the Senate of any committee thereof, or of the Vice-Chancellor or any other person acting pursuant to any direction of the Senate, shall, notwithstanding the subsequent discovery of any defect in the appointment or election of any Fellow or that any such Fellow was disqualified from acting as or is incapable of being a Fellow, be as valid as if that Fellow had been duly appointed or elected and was qualified to act or was capable of being a Fellow and had acted as a Fellow and as if the Senate had been properly and fully constituted.

#### 14. (1) [Repealed]

May appoint Vice-Chancellor.

(1A) The Senate may appoint an officer who shall be styled the Vice-Chancellor and who shall have and exercise such powers, rights, duties,

and functions as may be prescribed by by-laws made by the Senate.

And to have entire management.

(2) The Senate shall have the entire management of and superintendence over the affairs, concerns, and property of the University, and in all cases unprovided for by this Act

the Senate may act in such manner as appears to them to be best calculated to promote the purposes of the University.

Evening Tutorial Classes.

14A. The Senate shall provide for the establishment and maintenance of evening tutorial classes in such subjects as it may determine.

Such classes shall be open to students whether they have or have not matriculated within the University.

The Senate may issue certificates in respect of students who have in such classes studied for at least one year in any one subject.

15. (1) The Senate may make by-laws relating to—

By-laws.

- (a) the discipline of the University;
- (a1) the matriculation, admission and enrolment of students;
- (b) examinations for and the granting of scholarships, exhibitions, degrees, diplomas or honours;
- (c) the conferring of *ad eundem* degrees;
- (cl) the establishing and regulating of evening tutorial classes;
- (d) the mode and time of convening meetings of the Senate; and
- (e) all other matters whatsoever regarding the University.

(2) The by-laws may provide for empowering any authority (including the Senate) or officer or class of officers of the University to make regulations, rules or orders (not inconsistent with this Act or with any by-laws) for regulating, or providing for the regulation of, any specified matter (being a matter with respect to which by-laws may be made) or for carrying out or giving effect to the by-laws.

(3) Any regulation, rule or order referred to in subsection (2)—

- (a) shall have the same force and effect as a by-law;
- (b) may, from time to time as the occasion requires, be amended or repealed by any authority (including the Senate) or officer or class of officers of the University empowered by subsection (2) to make the regulation, rule or order; and
- (c) shall be deemed not to be within the meaning of the term 'regulation' as defined in section 41 of the Interpretation Act, 1897.

(4) Every by-law shall be reduced to writing and submitted for the consideration and approval of the Governor, and when approved shall be countersigned by him, and when so countersigned and sealed with the seal of the University shall be of full force and effect.

(5) Section 41 of the Interpretation Act, 1897, applies in respect of a by-law made under this section as if this Act had been passed after the commencement of the Interpretation (Amendment) Act, 1969.

16. (1) As soon as practicable after the first day of January in each year, the Senate shall, in respect of the period of twelve months immediately preceding that day, prepare and furnish to the Minister a report upon the proceedings of the University during that period.

University to report proceedings to the Minister.

(2) A copy of each report under subsection (1) shall be laid before both Houses of Parliament as soon as practicable after it has been received by the Minister.

17. The Governor of New South

Visitor.

Wales shall be the visitor of the University, with authority to do all things that pertain to visitors as often as he deems meet.

18. No religious test shall be administered to any person in order to entitle him to be admitted as a student of the University, or to hold any office therein, or to partake of any advantage or privilege thereof.

Religious tests.

## PART III

### Examinations and degrees

19. (1) The Senate may give such instruction as it thinks fit, and may, after examination, confer the several degrees of Bachelor, Master, and Doctor, and such other degrees and such diplomas in the nature of degrees as it thinks fit in all branches of knowledge.

Degrees.

Status of holders of Certificates.	(2) All persons who obtain any certificate or qualification which the Senate by by-law declares to be of equivalent rank to the degree of Bachelor shall have the same rights and privileges within the University as Bachelors.	of Medicine any person who presents to the Senate a certificate from any such institution or school to the effect that such person has completed the course of instruction therefor which the Senate by regulation prescribes.
Evidence of degree.	20. All degrees conferred by the University shall be evidenced by a certificate given under the seal of the University.	<b>PART IV</b>
Ad eundem degrees.	21. (1) When any person has obtained in any University, recognized by the by-laws of the University in force for the time being, any degree corresponding or equivalent to any degree which the Senate is now or may hereafter be empowered to confer after examination, the Senate may confer such latter degree upon such persons without examination.	<b>23A. In this Part—</b>
Rights of holders.	(2) The persons upon whom degrees are conferred, under the provisions of the preceding subsection, shall be entitled to the same rights and privileges as appertain to those who have taken the same degrees in the ordinary course in the University.	<b>“class A funds” means—</b>
Honorary degrees and other Distinctions.	21A. (1) The Senate shall have power and shall be deemed always to have had power to confer without examination the several degrees of Bachelor, Master, and Doctor and such other degrees and such certificates in the nature of degrees as the Senate thinks fit upon persons approved by the Senate.	<b>(a)</b> private gifts, other than private gifts which may be applied without restriction or limitation—
	(2) The persons upon whom degrees or certificates are conferred under the provisions of subsection one of this section shall be entitled to the same rights and privileges as appertain to those who have taken the same degrees or certificates, as the case may be in the ordinary course in the University.	<b>(i)</b> for any of the purposes of the University; or
		<b>(ii)</b> for any of the purposes of any faculty, department, school or foundation within the University;
		<b>(b)</b> grants; and
		<b>(c)</b> student tuition fees;
		<b>“class B funds”</b> means moneys held by the University, which are not class A funds;
		<b>“grant”</b> means money granted to the University by or on behalf of the Government of—
		<b>(a)</b> the State of New South Wales; or
		<b>(b)</b> the Commonwealth,
		or any part of that money;
		<b>“investment pool”</b> means investment pool established by the Senate under section 27D (1);
		<b>“pooled item”</b> means—
		<b>(a)</b> a private gift;
		<b>(b)</b> a grant;
		<b>(c)</b> student tuition fees;
		<b>(d)</b> class B funds;
		<b>(e)</b> securities; or
		<b>(f)</b> real property,
		forming part of an investment pool;
		<b>“private gift”</b> means—
		<b>(a)</b> money, not being a grant, given to the University;
		<b>(b)</b> money obtained from the conversion of property given to the University; and
		<b>(c)</b> money obtained from the investment or use of property given to the University;
		<b>“securities”</b> means debentures, stocks, shares, bonds and notes.
		<b>Endowment and Finance</b>
		<b>24. (1)</b> There shall be paid by the Treasurer to the University in respect of the year commencing upon the first day of January next following the year in which the University and University Colleges (Amendment) Act, 1973, commences, and in respect of each succeeding year, such sum as the Treasurer may determine having regard to the University's estimated expenditure requirements and income from all sources which is capable of being applied towards meeting those expenditure requirements.
		<b>(2)</b> To enable the Treasurer to exercise and perform the powers and functions conferred on him by subsection (1), the University shall in respect of the year commencing upon the first day of January next following the date of commencement of the University and University Colleges (Amendment) Act, 1973, either before or as soon as practicable after that day, and in respect of each succeeding year either before or as soon as possible after its commencement, submit to the Treasurer estimates of the expenditure and income of the University for that year and such other information as the Treasurer may deem necessary.
		<b>(3)</b> Any moneys payable by the Treasurer under this section shall be paid out of moneys provided by Parliament.
Senate may authorize educational establishments to issue certificates.	22. (1) The Senate may authorize any college or educational establishment, whether incorporated or not, instituted for the promotion of literature, science, or art, to issue to candidates for any degree (other than the degrees referred to in section twenty-three of this Act) or diploma certificates to the effect that the candidate for any such degree or diploma has completed such course of instruction therefor as the Senate by regulation prescribes.	<b>Permanent endowment.</b>
Upon which degrees may be granted.	(2) Any person who presents to the Senate any such certificate may be admitted as a candidate for the degree or diploma to which it has reference.	
Report on medical establishments by Senate.	23. (1) For the purpose of granting the degrees of Bachelor of Medicine and Doctor of Medicine, and for the improvement of medical education in all its branches, as well in medicine as in surgery, midwifery, and pharmacy, the Senate may report to the Governor the medical institutions and schools, whether incorporated or not, in the city of Sydney, from which, either singly or jointly with other medical institutions and schools in New South Wales or in foreign parts, it appears to the Senate fit and expedient to admit candidates for medical degrees.	
Candidates from such establishments may be admitted to degrees.	(2) On approval of such report by the Governor, the Senate shall admit as a candidate for the degree of Bachelor of Medicine or Doctor	

**25.** The Senate may make by-laws under section 15 for or with respect to—

- (a) the payment of such fees and charges, including fines, as it deems necessary, including fees and charges to be paid in respect of—
  - (i) entrance to the University;
  - (ii) tuition;
  - (iii) lectures and classes;
  - (iv) examinations;
  - (v) residence;
  - (vi) the conferring of degrees and diplomas;
  - (vii) the provision of amenities and services, whether or not of an academic nature; and
  - (viii) an organisation of students or of students and other persons; and
- (b) the exemption from, or deferment of, payment of fees and charges, including fines.

**26.** *[Repealed]*

**27.** *[Repealed]*

**27A.** The terms of—

Trust instruments apply notwithstanding ss. 27B–27E.

(a) in the case of a private gift—any instrument creating a trust with respect to that private gift;

(b) in the case of a grant—the instrument of grant; and

(c) in the case of property, other than money, given to the University—any instrument creating a trust with respect to that property,

shall have effect notwithstanding sections 27B, 27C, 27D and 27E.

Retention of property in specie.

**27B.** Where property, other than money, is given to the University, the Senate may retain that property in the form in which it is given to the University.

**27C.** (1) The Senate may invest any class A funds held by the University in accordance with and subject to the Trustee Act, 1925.

(2) The Senate may invest any class B funds held by the University—

(a) in accordance with and subject to the Trustee Act, 1925;

(b) in the same manner as the State Superannuation Board constituted by the Superannuation Act, 1916, may invest the State Superannuation Fund established under that Act or any part of that Fund—

(i) under section 5 (1) (a), (b), (b1) and (c1) of that Act (except that section 5 (1) (c1) of that Act shall not authorise or enable a loan other than a loan to a building society specified in Schedule 2 to the Permanent Building Societies Act, 1967);

(ii) under section 5A of that Act (except that section 5A (8) (d) of that Act shall not apply to any investment made by the Senate);

(iii) with the approval of the Minister and the concurrence of the Treasurer, under section 5B of that Act (except that section 5B (1) (a) and (7) of that Act shall not apply to any investment made by the Senate) and, subject to subsection (3), for the purposes of this section, a reference in section 5B (4) or (5) of that Act to the Board shall be read and construed as if it were a reference to the Senate; or

(iv) with the approval of the Minister and the concurrence of the Treasurer, under Section 5C of that Act, notwithstanding section 5C (3) of that Act (except that section 5C (4) (j) of that Act, to the extent to which it authorises in-

vestment other than by way of subscription of share capital in, deposit with, or loan of money to, a building society specified in Schedule 2 to the Permanent Building Societies Act, 1967, shall not apply to any investment made by the Senate); or

(c) in any prescribed manner.

(3) A certificate under section 5B (4) of the Superannuation Act, 1916, as applied by subsection (2), shall be furnished to the Senate by the Valuer-General upon payment of such fee as is determined by the Valuer-General.

(4) The Senate may invest any class A funds or class B funds in a form of investment approved by the Minister, with the concurrence of the Treasurer, where the Minister is of the opinion that the University would suffer loss or hardship or be otherwise disadvantaged if the funds were to be invested in accordance with the other provisions of this section.

**27D.** (1) Subject to subsection (2), the Senate may establish and maintain one or more investment pools for the collective investment of property held by the University.

Investment pools.

(2) The Senate may from time to time—

(a) bring into or withdraw from an investment pool the whole or any part of any class A funds or class B funds held by the University; or

(b) bring into an investment pool—

(i) securities, other than securities in respect of which the donor has, in an instrument creating a trust in respect of those securities, specified that the income from those securities shall be applied for a purpose other than the general purposes of the University; or

(ii) real property, other than real property in respect of which the donor has, in an instrument creating a trust in respect of that real property, specified that the income from that real property shall be applied for a purpose other than the general purposes of the University,

or withdraw money to the value attributed equitably to those securities or that real property by the Senate at the date of withdrawal.

(3) Notwithstanding subsections (1) and (2), the Senate shall not bring into or retain in any investment pool the whole or any part of any Class A funds if the investments in which the capital of the investment pool is invested are not investments made in accordance with and subject to the Trustee Act, 1925.

**27E.** (1) The Senate shall, at least once a year, distribute the income of an investment pool.

Distribution of income of investment pools.

(2) On the distribution of the income of an investment pool under subsection (1), the Senate shall, in respect of—

(a) a pooled item being a private gift where the donor of that private gift has, in an instrument creating a trust in respect of that private gift—

(i) specified that the income from the investment of that private gift shall be applied for a purpose other than the general purposes of the University; or

(ii) specified that that private gift shall be applied for a purpose other than the general purposes of the University and that private gift is insufficient, without the addition of the income from the investment of that private gift, to achieve that purpose; and

(b) any other pooled item in respect of which the Senate is otherwise required to do so,

credit the income of that investment pool to the account kept by it in respect of that private gift or other pooled item proportionately according to the value attributed equitably to that private gift or other pooled item by the Senate at the date of distribution and the period for which that private gift has formed part of that investment pool since the date of the last preceding distribution of the income of that investment pool.

(3) Where the Senate distributes the income of an investment pool under subsection (1), it may, in respect of a pooled item, other than a pooled item referred to in subsection (2) (a) or (b), credit the income of that investment pool to any account kept by it.

**27F.** (1) The inclusion in an investment pool of—

(a) a pooled item being a private gift, a grant, student tuition fees or class B funds does not affect the identity of that pooled item as a private gift, a grant, student tuition fees or class B funds, as the case may be; and

(b) a pooled item does not affect any trust to which that pooled item was subject immediately before its inclusion in that investment pool.

(2) On the withdrawal from an investment pool of—

(a) a pooled item being a private gift, a grant, student tuition fees or class B funds, that pooled item shall continue to be subject to any trust to which it was subject immediately before its inclusion in that investment pool; and

(b) money to the value attributed to any Securities or real property by the Senate under section 27D (2) (b), that money shall be subject to any trust to which those securities were subject immediately before their inclusion in that investment pool or that real property was subject immediately before its inclusion in that investment pool, as the case may be.

**28.** The securities representing the investments of the sum of money bequeathed by the late Solomon Levey, Esquire, to the Sydney College, with the interest thereon, shall be held by the Senate upon trust to continue to hold the same, or to alter them from time to time in favour of other investments at interest upon such security and in such manner in all respects as the Senate in their absolute discretion think fit, and the clear or net interest or income arising therefrom shall be applied in or towards the endowment of a scholarship in the University under such regulations as the Senate, in their absolute and uncontrolled discretion in respect of making and altering the same, deem to be as nearly as circumstances permit in accordance with the intention of the said Solomon Levey in making the aforesaid bequest.

**29.** The Senate shall once in every year transmit a full account of the whole income and expenditure of the University to the Minister, who shall submit the same to the Legislative Council and Legislative Assembly, such account shall be audited by the Auditor-General,

but nothing in the section shall prevent the Senate from employing a private auditor to examine the books of account of the University.

## PART V

### Exhibitions, Lectures, Matriculation and Privileged Officials

**30.** [*Repealed*]

**31.** [*Repealed*]

Public  
Exhibitions.

**31A.** (1) The Senate shall allot to students entering the University public exhibitions, which shall take the form of exempting the holders from the payment of matriculation, tuition and degree fees to the University; such exhibitions shall be tenable as prescribed by by-laws to be made by the Senate in that behalf: Provided that the exhibitioner shall be of good conduct and shall make such progress in his studies as shall satisfy the Senate.

The Senate may, in any case where it deems proper, permit an exhibitioner to postpone entering the University for a period not exceeding one year.

(2) The number of such exhibitions to be so allotted each year shall be two hundred.

(2A) (a) Subject to subsection three of this section—

(i) one hundred of such exhibitions shall be allotted to the candidates who are highest in the order of merit as shown at the examination for the leaving certificate or higher school certificate (whichever of such examinations may be adopted for the purpose by the Senate by by-laws made under section fifteen of this Act);

(ii) In allotting the remaining one hundred exhibitions the Senate shall have regard solely to such limitations in the circumstances or income of the candidate and his family as may be prescribed by by-laws made under section fifteen of this Act; and where the number of such candidates eligible for an exhibition exceeds one hundred, the Senate shall have regard to the order of merit of those candidates as shown at the examination so adopted.

(b) The Senate shall each year determine the number of such exhibitions to be allotted during that year to students entering each school within the University having due regard to the expressed wish of the exhibitioner.

(3) The exhibitions shall be allotted to those candidates who at the examination adopted in accordance with subsection (2A) of this section—

(a) are the recipients of leaving certificates or higher school certificates (as the case may be):

Provided that—

(i) a certain number of exhibitions, to be determined by the Senate, may be allotted to students at evening tutorial classes who have been candidates at such examination notwithstanding the fact that such students are not the recipients of a leaving certificate or a higher school certificate, as the case may be;

(ii) a certain number of exhibitions to be determined by the Senate may be allotted to persons who have been candidates at such examination and who have been residents of New South Wales for three years, notwithstanding the fact that such persons are not the recipients of a leaving certificate or a higher school certificate as the case may be;

(b) satisfy such requirements as are determined with respect to that examination by the Senate.

(4) The total number of exhibitions to be allotted to persons referred to in the proviso to paragraph (a) of subsection three of this section in any one year shall not exceed twelve.

(5) After the commencement of the University and University Colleges (Amendment) Act, 1952, and until a day to be appointed by the Governor and notified by proclamation published in the Gazette, it shall not be necessary for the Senate to allot public exhibitions pursuant to this section.

Accounts of  
annual  
income  
and expenditure  
to be  
laid before  
the  
Legislative  
Council and  
Assembly.

Powers of  
the Senate  
in respect  
of Levey's  
Legacy.



Teachers in schools may attend lectures without payment of fees.

**31b.** The Senate shall allow such teachers in schools under the Public Instruction Act of 1880 as the Minister may approve to attend the University lectures without the payment of any matriculation, tuition or degree fees: Provided that such teachers have previously satisfied the requirements which the Senate determines are necessary for matriculation, have been selected for admission to the University and not otherwise excluded therefrom.

**31c. [Repealed]**

Privileges of students entering by means of leaving certificate or higher school certificate.

**31d.** Any student entering the University by means of the leaving certificate, higher school certificate or exhibition shall be eligible for any bursary or scholarship or exhibition at the disposal of the Senate, subject to the terms of the foundation thereof.

Members of the University.

**32.** Each and every of the following officials, that is to say—

- (a) every professor and other full-time permanent member of the academic staff of the University; and
- (b) every principal of any incorporated college within the University; and
- (c) every superior officer of the University declared to be such by any by-law

shall during his tenure of office, but no longer have the same rights and privileges within the University as are enjoyed by Masters and Doctors.

**PART VI**

**Colleges within the University**

**DIVISION 1.—Interpretation**

Interpretation.

**33.** In this part of the Act, unless the context or subject matter otherwise indicates or requires—

‘College’ means a college within the University.

‘Principal’ includes the master, warden, rector, or any other head of a college.

**DIVISION 2.—Endowment and subscribed fund**

Endowment of Colleges.

**34.** (1) There shall be paid by the Treasurer to any college established before or after the commencement of the University and University Colleges (Amendment) Act, 1973, whether or not the college is incorporated by any Act, such sums as the Treasurer may determine.

(2) The whole of any sums paid to a college pursuant to subsection (1) shall be applied to the erection of college buildings on land, being—

- (a) land granted by the Crown to the University in trust for the college for or with respect to purposes of the college; or
- (b) land conveyed to and accepted by the University in trust for or with respect to purposes of the college.

**35. [Repealed]**

**36. [Repealed]**

Endowment for principal's salary.

**37.** There shall be paid annually out of the Consolidated Revenue Fund to each college established by the University, whether or not the college is incorporated by any Act, such sum as the Treasurer may determine for or in aid of a salary to be paid to the principal of that college.

**38. [Repealed]**

**39.** Where any person selected to be the principal of any such college is out of New South Wales at the time of his appointment he shall be entitled to the salary, and the college to which he has been appointed may receive the same accordingly for his use from the day of his embarkation for New South Wales: Provided that every principal shall actually enter on his duties within six months after such embarkation unless the Governor, upon being satisfied that unavoidable obstacles have intervened, thinks fit to extend that term to nine months.

Provision where selected principal is out of New South Wales.

**40. [Repealed]**

**DIVISION 3.—Government of students**

**41.** (1) Each college shall have the right to provide accommodation, instruction and supervision to any person attending courses of instruction within the University or proceeding to a degree within the University and to members of the teaching staff of the University.

(2) All students and other residents in a college shall be subject to the discipline of the University and of the college.

**PART VII**

**Colleges outside the Sydney Metropolitan Area**

**42.** (1) The Senate may, with the approval of the Minister, establish and maintain one or more colleges outside the Sydney Metropolitan Area.

Power to establish and maintain colleges.

Each such college shall be established at such place within New South Wales, but outside the Sydney Metropolitan Area, as the Senate may think fit.

(2) The University shall have power to acquire by gift, devise or bequest any property upon trust to apply the same or the proceeds thereof or the income therefrom for the benefit of any college established under this Part and to agree to the conditions of any such gift, devise or bequest.

(3) Where, before the establishment under this Part of a college, any property, real or personal, has been vested in or acquired by any person upon trust for the purposes for which such college is established, such person may, when the college is established, convey or transfer such property to the University upon trust to apply the same or the proceeds thereof or the income therefrom for the benefit of the college.

The acceptance by the University of any such property shall be a complete discharge to the person conveying or transferring the same.

**43.** (1) There shall be constituted for and in respect of each college established under this Part an advisory council.

Advisory council of each college.

(2) Each advisory council shall consist of not less than ten nor more than twenty members.

(3) The members of each advisory council shall be appointed by the Minister on the nomination of the Senate.

(4) Each advisory council shall have and may exercise and perform such powers, authorities, duties and functions as may be prescribed by by-laws made by the Senate.

**44.** (1) The powers conferred on the Senate by subsection one of section fourteen<sup>1</sup> of this Act shall extend to and in respect of all professors and other employees of the

Senate to appoint officers, etc., and manage property.

<sup>1</sup> Section 14(1) has been repealed.

University engaged in or in connection with any college established under this Part.

(2) The Senate shall have the entire management of the superintendence over the affairs and concerns of each college established under this Part and of any property of the University held upon trust for the purposes of a college established under this Part, and in all cases unprovided for by this Act the Senate may, in relation to any such property, act in such manner as appears to them to be best calculated to promote the purposes of the college.

(3) Without prejudice to the generality of subsection two of this section the Senate may make provision for classes and courses of instruction in such subjects as it may think fit at any college established under this Part and may also make provision for the conduct of examinations at any such college.

(4) The Senate may delegate to the advisory council constituted for or in respect of any college established under this Part any of the powers, authorities, duties and functions conferred or imposed upon the Senate by this section.

Treasurer to meet costs incurred in establishment and maintenance of each college.

45. (1) Any expenditure incurred by the University for or in respect of the establishment or maintenance of any college established under this Part which is so incurred with the approval of the Governor given on the recommendation of the Treasurer is in this section referred to as approved expenditure.

(2) The Treasurer shall, in each year, pay to the University the amount by which the approved expenditure in connection with any college established under this Part exceeds the income from all sources of the University derived in connection with that college or so much of such income as is capable of being applied for the purpose of meeting approved expenditure.

(3) Any moneys payable by the Treasurer under this section shall be paid out of moneys provided by Parliament.

By-laws.

46. (1) The Senate may make by-laws relating to—

- (a) the discipline of colleges established under this Part;
- (b) the classes and courses of instruction provided at colleges established under this Part and the conduct of examinations at such colleges;
- (c) advisory councils constituted for or in relation to colleges established under this Part;
- (d) the delegation of powers, authorities, duties and functions of the Senate to advisory councils;
- (e) any matter which is required or permitted by this Part of this Act to be prescribed by by-laws or which is necessary or convenient to be so prescribed for carrying this Part of this Act into effect.

(2) Any by-law may be made to apply to all colleges established under this Part or to any specified college.

(3) Every such by-law shall be sealed with the seal of the University and shall be transmitted for the consideration and approval of the Governor, and when approved shall be countersigned by him, and when so countersigned and sealed with the seal of the University shall be of full force and effect.

(4) Section 41 of the Interpretation Act, 1897, applies in respect of a by-law made under this section as if this Act had been passed after the commencement of the Interpretation (Amendment) Act, 1969.

## PART VIII

### Acquisition of land

47. (1) For the purposes of this Act, the Governor may, on the recommendation of the Minister, resume or appropriate any land under Division I of Part V of the Public Works Act, 1912.

Acquisition of land.

(2) The Minister shall not make a recommendation for the purpose of subsection (1) unless he is satisfied that adequate provision has been or will be made for the payment by the University of compensation for the resumption or appropriation and of all necessary charges and expenses incidental to the resumption or appropriation.

(3) A resumption or appropriation effected pursuant to subsection (1) shall be deemed to be for an authorised work within the meaning of the Public Works Act, 1912, and the Minister shall, in relation to that authorised work, be deemed to be the Constructing Authority within the meaning of that Act.

(4) Sections 34, 35, 36 and 37 of the Public Works Act, 1912, do not, but section 38 of that Act does, apply in relation to a resumption or appropriation under this section.

48. (1) Where land is vested in the Minister as Constructing Authority within the meaning of the Public Works Act, 1912, by virtue of a resumption or appropriation effected pursuant to section 47 (1), the Minister may convey or transfer that land to the University for such estate, and subject to such trusts and rights of way or other easements, as he thinks fit.

Transfer of land to University.

(2) A conveyance, transfer or other instrument executed for the purposes of subsection (1)—

- (a) is not liable to be stamped with stamp duty under the Stamp Duties Act, 1920; and
- (b) may be registered under any Act without fee.

# Other Acts of Parliament relating to the University

THE ACT  
OTHER ACTS

Act No. 14, 1912, 'Bursary Endowment Act, 1912'. An Act to establish a fund for bursaries tenable in secondary schools and in the University of Sydney; to constitute a board of control; and for purposes consequent thereon or incidental thereto. [Assented to, 4 April 1912.]

<sup>1</sup>Act No. 78, 1916, 'University (Amendment) Act, 1916', increasing the statutory endowment from twenty to thirty thousand pounds per annum and providing a statutory endowment of two thousand pounds per annum for establishing and maintaining a chair of Architecture.

[*Repealed by Act No. 30, 1937.*]

<sup>2</sup>Act No. 19, 1917, 'University Prizes and Medals Alteration Act, 1917', empowering the University to award the Fairfax Prizes, the John West Medal and the Grahame Prize Medal at the University Examinations for Scholarships at entrance to the University.

<sup>3</sup>Act No. 2, 1918, 'University (Senate) Amendment Act, 1918', providing that the members of the present Senate of the University of Sydney shall continue in office until a day to be proclaimed by the Governor, and for that purpose to amend the Acts relating to the said University.

<sup>4</sup>Act No. 43, 1918, 'University Amendment (Exhibitioners' Fees) Act', authorising the Senate of the University of Sydney to defray from the statutory endowment the fees, at Universities and Educational Institutions abroad, of certain persons holding public exhibitions at the University of Sydney; for that purpose to amend the Acts relating to such University; and for purposes consequent thereon or incidental thereto.

<sup>5</sup>Act No. 12, 1919, 'University (Building) Act, 1919'. An Act to appropriate and apply out of the Consolidated Revenue Fund certain sums for the Senate of the University of Sydney; and for purposes consequent thereon or incidental thereto. [Assented to, 26 November 1919.]

Act No. 21, 1936, 'Public Instruction (Amendment) Act, 1936'. An Act to amend in certain respects the Public Instruction Act of 1880, the University and University Colleges Act, 1900, the Bursary Endowment Act, 1912, and certain other Acts; and for purposes connected therewith.

[Assented to, 22 June 1936.]

Act No. 30, 1937, 'University and University Colleges (Amendment) Act, 1937'. An Act to make provision for the establishment and maintenance by the University of Sydney of colleges outside the Sydney Metropolitan Area; for these and other purposes to amend the University and University Colleges Act, 1900–1936, and certain other Acts in certain respects, and to repeal the University (Amendment) Act, 1916; and for purposes connected therewith. [Assented to, 23 December 1937.]

Act No. 36, 1937, 'University and College Lands and Victoria Park (Amendment) Act, 1937'. An Act to carry into effect the exchange of certain land between the Municipal Council of Sydney and the University of Sydney; to provide that certain lands shall be a public road, and for the closing of a certain part of a public road; to amend the University and College Lands and Victoria Park Act, 1924, the Victoria and Rushcutters Bay Parks Act, and certain other Acts; and for purposes connected therewith. [Assented to, 23 December 1937.]

Act No. 24, 1948, 'University and University Colleges (Amendment) Act, 1948'. An Act to increase the amount payable yearly by way of permanent endowment for the University of Sydney; for this purpose to amend the University and University Colleges Act, 1900–1937; to validate certain matters; and for purposes connected therewith. [Assented to, 21 May 1948.]

Act No. 36, 1957, 'Bursary Endowment (Amendment) Act, 1957'. An Act to make provision for the reconstitution of the Bursary Endowment Board; for this and other purposes to amend the Bursary Endowment Act, 1912, as amended by subsequent Acts; to validate certain matters; and for purposes connected therewith. [Assented to, 22 November 1957.]

No. 27 of 1958, 'States Grant (Universities) Act 1958'. An Act to make provision for the granting of Financial Assistance to the States in connexion with Universities, and for other purposes. [Assented to, 21 May 1958.] (Commonwealth.)

Act No. 6, 1959, 'University and University Colleges (Amendment) Act, 1959'. An Act to provide for the reconstitution of the Board of Secondary School Studies; for this purpose to amend the University and University Colleges Act, 1900–1952; and for purposes connected therewith. [Assented to, 24 September 1959.]

No. 106 of 1960, 'States Grants (Universities) Act, 1960'. An Act to make provision for the grant of Financial Assistance to the States in connexion with Universities, and for other purposes. [Assented to, 16 December 1960.] (Commonwealth.)

Act No. 47, 1961, 'Education Act, 1961'. An Act to make further provision in respect to secondary education; for this purpose to constitute a Secondary Schools Board and a Board of Senior School Studies, to provide for the grant of School and Higher School Certificates and to amend the Public Instruction Act of 1880 as amended by subsequent Acts; and for purposes connected therewith. [Assented to, 30 November 1961.]

Act No. 18, 1962, 'University of Sydney (J. J. W. Power Bequest) Act, 1962'. An Act relating to shares in the Mutual Life and Citizens' Assurance Company Limited bequeathed to the University of Sydney by the will of John Joseph Wardell Power, late of the Island of Jersey; and for purposes connected therewith. [Assented to, 21 May 1962.]

No. 51 of 1962, 'State Grants (Universities) Act, 1962'. An Act to amend the States Grant (Universities)

<sup>1</sup> Printed in 1918 Calendar.

<sup>2</sup> Printed in 1919 Calendar.

<sup>3</sup> Printed in 1924 Calendar.

Act 1960. [Assented to, 28 May 1962.] (Commonwealth.)

No. 68 of 1963, 'Universities (Financial Assistance) Act 1963'. An Act to make provision for the grant of Financial Assistance to the States in connexion with Universities. [Assented to, 31 October 1963.] (Commonwealth.)

No. 75 of 1963, 'States Grant (Universities) Act (No. 2) 1963'. An Act to amend the States Grants (Universities) Act 1963. [Assented to, 31 October 1963.] (Commonwealth.)

Act No. 129, 1964, 'Universities (Financial Assistance) Act 1964'. An Act to amend the Universities (Financial Assistance) Act 1963. [Assented to, 24 November 1964.] (Commonwealth.)

Act No. 130, 1964, 'States Grants (Universities) Act 1964'. An Act to amend the States Grants (Universities) Act 1960. [Assented to, 24 November 1964.] (Commonwealth.)

Act No. 40, 1964, 'Universities (Financial Assistance) Act 1965'. An Act to amend the Universities (Financial Assistance) Act 1963. [Assented to, 15 June 1965.] (Commonwealth.)

Act No. 101, 1965, 'Universities (Financial Assistance) Act (No. 2) 1965'. An Act to make provision for the grant of Financial Assistance to the States in connection with Universities. [Assented to, 13 December 1965.] (Commonwealth.)

Act No. 33, 1965, 'Decimal Currency Act, 1965'. [Assented to, 20 December 1965.]

Act No. 90, 1966, 'Universities (Financial Assistance) Act 1966'. An Act to make provision for the grant of Financial Assistance to the States in connection with Universities. [Assented to, 29 October 1966.] (Commonwealth.)

Act No. 91, 1966, 'Universities (Financial Assistance) Act (No. 2) 1966'. An Act to amend the Universities (Financial Assistance) Act 1963. [Assented to, 29 October 1966.] (Commonwealth.)

Act No. 26, 1967, 'University of Sydney (Law School Site) Act, 1967'. [Assented to, 23 March 1967.]

Act No. 1, 1973, 'University and University Colleges (Amendment) Act, 1973'. [Assented to, 14 March 1973.]

Act No. 87, 1978, 'University and University Colleges (Constitution Amendment) Act, 1978'. [Assented to, 11 September 1978.]

Act No. 168, 1978, 'University and University Colleges (Amendment) Act (No. 2) 1978'. [Assented to, 29 December 1978.]

Act No. 11, 1984, 'University and University Colleges (Amendment) Act, 1984'. [Assented to, 31 May 1984.]

# The Chancellor and Deputy Chancellor

## BY-LAWS CHAPTER I

1. The election to the office of Chancellor shall take place at a duly convened meeting of the Senate, to be held in Lent Term.
2. The Chancellor shall be elected for a period of three years (except as hereinafter provided), to be computed from the date of election, but shall be eligible for re-election.
3. In the event of the office of Chancellor becoming vacant by death, resignation, or otherwise, before the expiration of the full term of office herein prescribed, the election of a successor shall be proceeded with at the next ensuing regular meeting of the Senate, and the Chancellor so appointed shall hold office until the Lent Term next after the expiration of three years from the date of such election.
4. The election of Deputy Chancellor shall take place annually at a duly convened meeting of the Senate, to be held in Lent Term, except as in cases otherwise provided by the Act of Incorporation.
5. (1) The Chancellor may preside at any meeting of any Committee constituted by any by-law or by any resolution of the Senate, and at any meeting of any Board other than a Proctorial Board or Faculty within the University, and shall have all the rights and powers of the Chairman of any such Committee, Board or Faculty.  
(2) If the Chancellor does not desire or is unable to act, or if the office of Chancellor is vacant, the Deputy Chancellor may preside at any such meeting, and shall have the like rights and powers.  
(3) This By-law shall have effect notwithstanding the provisions of any other By-law.

## BY-LAWS CHAPTER II

### MEETINGS AND RULES OF PROCEDURE

1. The Senate shall meet on the first Monday in every month, or on the nearest convenient day should such first Monday be a public holiday, and may adjourn from time to time to conclude any unfinished business.

2. At any time in the interval between such meetings it shall be competent for the Chancellor, or, in his absence, the Deputy Chancellor, or, in the absence of both, the Vice-Chancellor, in any case of emergency, to call a special meeting of the Senate, to be held as soon as conveniently may be, for the consideration of any business which he may wish to submit to the Senate.

3. Upon the written requisition of any three members the Chancellor, or, in his absence, the Deputy Chancellor, or, in the absence of both, the Vice-Chancellor, or, in the absence of all three, the Registrar shall convene a special meeting of the Senate, to be held as soon as conveniently may be after the expiration of seven days from the receipt of such requisition.

4. Except in the case of a motion moved by the Vice-Chancellor, being in the opinion of the Chancellor and of the Vice-Chancellor a matter of urgency, no motion initiating a subject for discussion shall be made but in pursuance of notice given at the previous meeting or given with the summons referred to in Section 5 and every such notice shall be entered in a book to be kept by the Registrar for that purpose.

5. The Registrar shall issue to each member of the Senate a summons with a written specification of the various matters to be considered at the next meeting of the Senate, whether such meeting be an ordinary or special one; and such summons, except in any case of emergency, as aforesaid, shall be issued at least three days previous to such meeting.

6. In the event of a quorum<sup>1</sup> of the Senate not being present at any meeting within half an hour after the hour appointed, the members then present may appoint any convenient future day, of which at least three days' notice shall be given by the Registrar in the usual manner.

7. All the proceedings of the Senate shall be entered in a journal, and at the opening of each meeting the minutes of the preceding meeting shall be read and confirmed, and the signature of the Chairman then presiding shall be attached thereto.

8. (1) The Fellow referred to in section 9(1)(a) shall be elected by the persons referred to in that paragraph at a meeting called for that purpose by notice by the Registrar at least seven days before the day fixed for the meeting in September of every alternate year commencing in 1973.

(2) Ballots in connection with elections of Fellows of the classes specified in section 9(1)(b), (c) and (d) may be held on such day or days in 1973 and every alternate year thereafter as the Senate shall appoint.

(3) Subject to subsection (4) a Fellow referred to in section 9(1) shall hold office for the term of two years from 1st January next following his election.

(4) A Fellow referred to in section 9(1)(b), (c) or (d) declared elected after 1st January in the first year of the term in respect of which he is elected shall hold office from the day upon which he is declared elected until 31st December in the second year of that term.

9. (1) Of the Fellows referred to in section 7(1)(d) of the Act—

(a) one Fellow shall be elected by and from those members of the Academic Board who are members of the full-time permanent staff;

(b) three Fellows who are Professors shall be elected from the full-time permanent members of the academic staff;

(c) three Fellows who are not Professors shall be elected from the full-time permanent members of the academic staff; and

(d) one Fellow shall be elected by and from the full-time permanent members of the non-academic staff who have been employed by the University continuously for at least three years prior to the date on which nominations for the election close and who are still so employed on that date.

(2) In subsection (1)(b) and (c), a reference to a Professor includes a reference to the Vice-Chancellor, a Deputy Vice-Chancellor, the Registrar, the Bursar and the University Librarian.

(3) The Fellows referred to in subsection (1)(b) and (c) shall be elected by the full-time permanent members of the academic staff, the Vice-Chancellor, the Deputy Vice-Chancellor or Deputy Vice-Chancellors, the Registrar, the Bursar and the University Librarian.

(4) The Australian Department of Health is prescribed for the purposes of section 7(3A) of the Act.

(5) For the purposes of this section 'members of the full-time permanent staff' and 'full-time permanent members of the academic staff' include the persons referred to in section 7(3A) of the Act if they are members of the permanent staff of the prescribed institution or organisation.

10. (1) This section applies to each election for the purpose of electing a Fellow referred to in section 9(1)(b), (c) or (d).

(2) At least forty-nine days' notice of the day upon which a ballot in connection with an election may be held shall be given by the Registrar by notice displayed at the University.

(3) (a) No person shall be eligible for election unless his nomination has been received by the Registrar not later than 5.00 p.m.

<sup>1</sup> See University and University Colleges Act, s. 13.

- on the twenty-ninth day prior to the date appointed for the ballot in connection with that election.
- (b) The nomination paper shall be signed by at least two qualified voters and shall be accompanied by a written statement signed by the person nominated signifying his consent to the nomination.
  - (c) Each candidate may provide at the time of his nomination a statement of not more than one hundred words containing information relating to himself as follows:
    - (i) Full name;
    - (ii) Appointment and Department or School;
    - (iii) Academic Qualifications;
    - (iv) Age;
    - (v) Positions or offices held at any time in public bodies, clubs and institutions (including University clubs and societies) with dates of tenure, and such information shall be edited by the Registrar and printed as a summary of information for distribution with the voting papers.
  - (d) There shall be a separate nomination paper for each candidate and no qualified voter shall be eligible to sign more nomination papers than the number of candidates to be elected.
  - (e) If a qualified voter signs a greater number of nomination papers than the number of candidates to be elected, his signature shall be counted on the first nomination papers received by the Registrar equal to the number of candidates to be elected and shall not be counted upon any other nomination paper.
- (4) On the expiration of the time for receiving nominations—
- (a) should the number of nominations not exceed the number of vacancies, the Registrar shall inform the Chancellor who shall then declare the candidate or candidates, if any, duly elected;
  - (b) should the number of nominations exceed the number of vacancies—
    - (i) the Registrar shall cause the name of each person so nominated and the fact of his candidature to be displayed at the University; and
    - (ii) a ballot shall be conducted as hereinafter provided.
- (5) The ballot shall be conducted in the following manner:
- (a) The Registrar shall prepare a list of all persons entitled to vote, completed to the last day for receiving nominations for the election, and a copy of that list shall be available for inspection in the Registrar's office at the University during usual working hours for a period of at least fourteen days prior to the day of the ballot.
  - (b) Not later than the third day before the day of the ballot the Registrar shall forward to each voter at his address within the University—
    - (i) a voting paper;
    - (ii) a summary of information in respect of each candidate if provided in accordance with subsection (3) (c);
    - (iii) a form of declaration providing for the voter to state his name and qualifications; and
    - (iv) two envelopes, one marked 'Voting Paper' and the other addressed to the Registrar.
  - (c) The voting paper shall contain the names of all duly nominated candidates arranged in alphabetical order, a rectangle opposite and to the left of the name of each candidate and instructions as to the manner in which the voting paper shall be completed.
  - (d) The voter shall mark his voting paper by making a cross in the rectangle opposite the name of each candidate for whom he votes but he shall not vote for more candidates than the number of vacancies to be filled.
  - (e)
    - (i) The voter, having marked his voting paper as herein provided, shall place the voting paper without any other matter in the envelope marked 'Voting Paper' which he shall seal.
    - (ii) He shall complete and sign the declaration and transmit to the Registrar in the second envelope the declaration and the sealed envelope marked 'Voting Paper'.
  - (f) All voting papers so transmitted, and received by the Registrar not later than 10.00 a.m. on the day of the ballot, shall be counted in the ballot, which shall be conducted by the Registrar assisted by such persons as he may require.
  - (g) Each candidate may appoint one scrutineer.
  - (h) The Registrar shall reject any voting paper in which a voter has voted for more candidates than the number of vacancies to be filled or which is otherwise invalid, and in any case of doubt as to the validity of a voting paper he shall refer the matter to the Vice-Chancellor, whose decision shall be final.
  - (i) Where at the close of counting two or more candidates have received an equal number of votes, the Registrar shall—
    - (i) write the name of each candidate concerned on separate and similar slips of paper;
    - (ii) fold the slips so as to prevent identification; and
    - (iii) mix the slips and draw the slips at random, and for the purposes only of ranking among those candidates, a candidate whose name is drawn before the name of another candidate shall be deemed to have received one less vote than the candidate whose name is drawn next.
  - (j) The Registrar shall report the result of the ballot to the Chancellor who shall then declare duly elected the candidates who have received the greatest number of votes equal to the number of vacancies to be filled.
11. (1) Where a vacancy occurs in the office of a Fellow referred to in section 9(1)(a), a Fellow shall be elected to fill that vacancy by the persons referred to in that paragraph at a meeting called for that purpose as soon as convenient after the vacancy occurs by notice by the Registrar not less than seven days before the day fixed for the meeting.
- (2) Subject to subsection (3), where a vacancy occurs in the office of a Fellow elected pursuant to section 10 the vacancy shall be filled by the candidate, if any, who in the immediately preceding

election in accordance with section 10 received the greatest number of votes of the candidates who have not become Fellows.

(3) The procedure specified in subsection (2) for filling a vacancy shall not be used to fill more vacancies than two in any term of office.

(4) Where a casual vacancy occurs to which subsection (2) does not apply, the Senate may—

(a) appoint to be a Fellow the candidate, if any, who in the immediately preceding election in accordance with section 10 received the greatest number of votes of the candidates who have not become Fellows; or

(b) direct that an election be held to fill the vacancy in accordance with these by-laws.

### FELLOWS ELECTED BY THE GRADUATES

12. (1) A ballot in connection with the election of Fellows referred to in section 7 (1) (e) of the Act may be held on such day in 1974 and every fourth year thereafter as the Senate shall appoint.

(2) Subject to subsection (3) a Fellow referred to in section 7 (1) (e) of the Act shall hold office for the term of four years from 1st January next following his election.

(3) A Fellow declared elected after 1st January in the first year of the term in respect of which he is elected shall hold office from the day upon which he is declared to be elected until 31st December in the fourth year of that term.

13. (1) An election for the purposes of section 7 (1) (e) of the Act shall take place as hereinafter provided.

(2) At least seventy days' notice of the day upon which a ballot in connection with an election may be held shall be given by the Registrar by notice displayed at the University and by advertisements in two or more of the daily newspapers published in Sydney.

(3) (a) No person shall be eligible for election unless his nomination has been received by the Registrar not later than 5.00 p.m. on the forty-third day prior to the day appointed for the ballot in connection with the election.

(b) The nomination paper shall be signed by at least two qualified voters and shall be accompanied by a written statement signed by the person nominated signifying his consent to the nomination.

(c) Each candidate may provide at the time of his nomination a statement of not more than one hundred words containing information relating to himself as follows:

(i) Full name;

(ii) Academic qualifications;

(iii) Honours and Distinctions;

(iv) Age;

(v) Positions or offices held in the candidate's field of employment with dates of tenure;

(vi) Positions or offices held at any time in public bodies, clubs and institutions (including University clubs and societies) with dates of tenure and such information shall be edited by the Registrar and printed as a summary of information for distribution with the voting papers.

(d) There shall be a separate nomination paper for each candidate and no qualified voter shall be eligible to sign more nomination papers than the number of candidates to be elected.

(e) If a qualified voter signs a greater number of nomination papers than the number of candidates to be elected, his signature shall be counted upon the first nomination papers received by the Registrar equal to the latter number and shall not be counted upon any other nomination paper.

(4) On the expiration of the time for receiving nominations—

(a) should the number of nominations not exceed the number of vacancies, the Registrar shall inform the Chancellor who shall then declare the candidate or candidates, if any, duly elected;

(b) should the number of nominations exceed the number of vacancies—

(i) the Registrar shall cause the name of each person so nominated and the fact of his candidature to be displayed at the University and to be advertised in two or more of the daily newspapers published in Sydney; and

(ii) a ballot shall be conducted as hereinafter provided.

(5) The ballot shall be conducted in the following manner:

(a) The Registrar shall prepare a list of all persons entitled to vote, completed to the last day for receiving nominations for the election, and a copy of that list shall be available for inspection in the Registrar's office at the University during usual working hours for a period of at least twenty-one days prior to the day of the ballot.

(b) Not later than the third day before the day of the ballot the Registrar shall forward to each voter at his address last recorded by the Registrar—

(i) a voting paper;

(ii) a summary of information in respect of each candidate if provided in accordance with subsection (3) (c);

(iii) a form of declaration providing for the voter to state his name and qualifications; and

(iv) two envelopes, one marked 'Voting Paper', and the other addressed to the Registrar.

(c) The voting paper shall contain the names of all duly nominated candidates arranged in alphabetical order, a rectangle opposite and to the left of the name of each candidate and instructions as to the manner in which the voting paper shall be completed.

(d) The voter shall mark his voting paper by making a cross in the rectangle opposite the name of each candidate for whom he votes but he shall not vote for more candidates than the number of vacancies to be filled or for fewer candidates than half the number of vacancies to be filled.

(e) (i) The voter, having marked his voting paper as herein provided, shall place the voting paper without any other matter in the envelope marked 'Voting Paper' which he shall seal.

- (ii) He shall complete and sign the declaration and transmit to the Registrar in the second envelope the declaration and the sealed envelope marked 'Voting Paper'.
- (f) All voting papers so transmitted, and received by the Registrar not later than 10.00 a.m. on the day of the ballot, shall be counted in the ballot, which shall be conducted by the Registrar assisted by such persons as he may require.
- (g) Each candidate may appoint one scrutineer.
- (h) The Registrar shall reject any voting paper in which a voter has voted for more candidates than the number of vacancies to be filled or for fewer candidates than half the number of vacancies to be filled or which is otherwise invalid, and in any case of doubt as to the validity of a voting paper he shall refer the matter to the Vice-Chancellor, whose decision shall be final.
- (i) Where at the close of counting two or more candidates have received an equal number of votes, the Registrar shall—
  - (i) write the name of each candidate concerned on separate and similar slips of paper;
  - (ii) fold the slips so as to prevent identification; and
  - (iii) mix the slips and draw the slips at random, and for the purposes only of ranking among those candidates, a candidate whose name is drawn before the name of another candidate shall be deemed to have received one less vote than the candidate whose name is drawn next.
- (j) The Registrar shall report the result of the ballot to the Chancellor who shall then declare duly elected the candidates who have received the greatest number of votes equal to the number of vacancies to be filled.
- 14. (1) Subject to subsection (2), where a casual vacancy occurs in the office of a Fellow elected pursuant to section 13 the vacancy shall be filled by the candidate, if any, who in the immediately preceding election in accordance with section 13 received the greatest number of votes of the candidates who have not become Fellows.
  - (2) The procedure specified in subsection (1) for filling a vacancy shall not be used to fill more vacancies than two in any term of office.
  - (3) Where a vacancy occurs to which subsection (1) does not apply, the Senate may—
    - (a) appoint to be a Fellow the candidate, if any, who in the immediately preceding election in accordance with section 13 received the greatest number of votes of the candidates who have not become Fellows; or
    - (b) direct that an election be held to fill the vacancy in accordance with these by-laws.
  - (4) Notwithstanding the provisions of this section, any vacancy occurring after 1st May 1974 in the office of a Fellow elected at the quinquennial election of Fellows by the graduates held on 13th November 1969 in accordance with Chapter II of the By-laws in force at 13th November 1969 shall be filled by the Senate either—
    - (a) in accordance with the procedure prescribed in section 18 of that Chapter of those By-laws, or
    - (b) by appointing the candidate, if any, who at the quinquennial election of Fellows by the graduates held on 13th November 1969 re-

ceived the greatest number of votes of the candidates who have not become Fellows.

#### FELLOWS ELECTED BY AND FROM PERSONS ENROLLED AS CANDIDATES PROCEEDING TO A DEGREE OR DIPLOMA

- 15. (1) A ballot in connection with the election of Fellows referred to in section 7 (1) (f) of the Act may be held on such day in 1973 and every year thereafter as the Senate shall appoint.
  - (2) Subject to subsections (3) and (4) a Fellow referred to in section 7 (1) (f) of the Act shall hold office for the term of one year from 1st January next following his election.
  - (3) A Fellow declared elected after 1st January in the year in respect of which he is elected shall hold office from the day upon which he is declared to be elected until 31st December in that year.
  - (4) A Fellow elected in 1973 shall hold office—
    - (a) where he is elected before 1st October 1973, from that date; or
    - (b) where he is elected after 1st October 1973, from the day upon which he is declared to be elected,
- until 31st December 1974.
- 16. An election for the purposes of section 7 (1) (f) of the Act shall take place in a manner prescribed by resolution of the Senate.
- 17. (1) Subject to subsection (2) where a vacancy occurs in the office of a Fellow elected in accordance with the resolutions of the Senate made pursuant to section 16 the vacancy shall be filled by the candidate, if any, who in the immediately preceding election in accordance with those resolutions of the Senate was the last candidate to be excluded of the candidates who have not become Fellows.
  - (2) The procedure specified in subsection (1) for filling a vacancy shall not be used to fill more than two vacancies in any year.
  - (3) Where a casual vacancy occurs to which this section does not apply, the Senate may—
    - (a) appoint to be a Fellow the last candidate, if any, who in the immediately preceding election in accordance with section 16 was the last candidate to be excluded of the candidates who have not become Fellows; or
    - (b) direct that an election be held to fill the vacancy in accordance with these by-laws.

#### FELLOWS ELECTED BY THE FELLOWS

- 18. (1) The election of Fellows by the Fellows referred to in section 7 (1) (i) of the Act shall be held in February of 1975 and every fourth year thereafter at a special meeting of the Senate convened by the Registrar.
  - (2) Subject to subsection (3) a Fellow referred to in subsection (1) shall hold office for the term of four years from 1st March next following his election.
  - (3) A Fellow elected after 1st March in the first year of the term in respect of which he is elected shall hold office from the day of the next ordinary meeting of the Senate after which he is elected until the last day of February in the fourth year of that term.
- 19. In the event of a vacancy occurring in the office of a Fellow elected by the Fellows before the expiration of his full term, an election to fill the vacancy shall be held at either the next or next but one ordinary meeting of the Senate.



## RESOLUTIONS OF THE SENATE

### FELLOWS ELECTED BY AND FROM PERSONS ENROLLED AS CANDIDATES PROCEEDING TO A DEGREE OR DIPLOMA

Pursuant to section 16 of Chapter II of the by-laws the Senate makes the following resolutions for the election of three Fellows by and from persons enrolled as candidates proceeding to a degree or diploma.

1. An election for the purposes of section 7(1)(f) of the Act shall take place as hereinafter provided.

2. At least 56 days' notice of the day upon which a ballot in connection with an election may be held shall be given by the Registrar by notice displayed at the University.

3. (1) No person shall be eligible for election unless that person's nomination has been received by the Registrar not later than 5.00 pm on the thirty-sixth day prior to the day appointed for the ballot in connection with the election.

(2) The nomination paper referred to in Resolution 3(1) shall be signed by at least twenty qualified voters and shall be accompanied by a written statement signed by the person nominated signifying consent to the nomination.

(3) (a) Each candidate may provide at the time of nomination a statement of not more than one hundred words containing information relating to the candidate as follows:

- (i) Full name;
- (ii) Academic year;
- (iii) Academic qualifications;
- (iv) Age;
- (v) Positions or offices held at any time in public bodies, clubs and institutions (including University clubs and societies) with dates of tenure;

(b) Such information shall be edited by the Registrar and printed as a summary of information with the voting papers.

(4) There shall be a separate nomination paper for each candidate and no qualified voter shall be eligible to sign more nomination papers than the number of candidates to be elected.

(5) If a qualified voter signs a greater number of nomination papers than the number of candidates to be elected, that voter's signature shall be counted upon the first nomination papers received by the Registrar equal to the latter number and shall not be counted upon any other nomination paper.

4. On the expiration of the time for receiving nominations—

(a) should the number of nominations not exceed the number of vacancies, the Registrar shall inform the Chancellor who shall then declare the candidate or candidates, if any, duly elected; and

(b) should the number of nominations exceed the number of vacancies—

- (i) the Registrar shall cause the name of each person so nominated and the fact of that person's candidature to be displayed at the University; and
- (ii) a ballot shall be conducted as hereinafter provided.

5. The ballot shall be conducted in the following manner:

(a) The Registrar shall prepare a list of all persons entitled to vote, completed to the last day for receiving nominations for the elec-

tion, and a copy of that list shall be available for inspection in the Registrar's office at the University during normal working hours for a period of at least 21 days prior to the day of the ballot.

(b) Not later than the sixteenth day before the day of the ballot the Registrar shall forward to each voter at the address last recorded by the Registrar—

- (i) a voting paper;
- (ii) a summary of information in respect of each candidate who has provided information in accordance with section (3)(3);
- (iii) a form of declaration providing for the voter to state name and qualifications; and
- (iv) two envelopes, one marked 'Voting Paper' and the other addressed to the Registrar.

(c) The voting paper shall contain the names of all duly nominated candidates arranged in an order to be determined by lot, a rectangle opposite and to the left of the name of each candidate and instructions as to the manner in which the voting paper shall be completed.

(d) Where there is one more candidate than the number of vacancies to be filled, a voter shall vote for all candidates.

(e) Where the total number of candidates is at least two greater than the number of vacancies to be filled, a voter shall vote for at least two more candidates than the number of vacancies to be filled.

(f) A voter shall vote by placing the figure '1' in the rectangle opposite and to the left of the name of the candidate for whom it is intended to vote as first preference and by placing the figure '2' in the rectangle opposite and to the left of the name of the candidate for whom it is intended to vote as second preference and where appropriate by placing the figures '3', '4' and '5' in the rectangle opposite and to the left of the name of each candidate for whom it is intended to vote as third, fourth and fifth preference respectively and may in addition indicate the order of preference for as many more candidates as the voter pleases by placing in the rectangles respectively opposite and to the left of their names other figures next in numerical order after the figures already placed by the voter on the voting paper.

(g) (i) The voter, having marked the voting paper as herein provided, shall place it without any other matter in the envelope marked 'Voting Paper' and seal the envelope.

(ii) The voter shall complete and sign the declaration and transmit to the Registrar in the second envelope the declaration and the sealed envelope marked 'Voting Paper'.

(h) All voting papers so transmitted and received by the Registrar not later than 10.00 a.m. on the day of the ballot, shall be counted in the ballot, which shall be conducted by the Registrar assisted by such persons as the Registrar may require.

(i) Each candidate may appoint one scrutineer.

(j) The Registrar shall reject any voting paper in which a voter has not voted for at least one

more candidate, or as prescribed in Resolution 5(e) at least two more candidates, than the number of vacancies to be filled or which is otherwise invalid and in any case of doubt as to the validity of a voting paper the Registrar shall refer the matter to the Vice-Chancellor, whose decision shall be final.

6. (1) Where there is only one vacancy to be filled the following procedure shall be followed:
  - (a) After any voting papers which are invalid have been rejected, the Registrar shall count the total number of first preference votes given for each candidate.
  - (b) The candidate who has received the fewest first preference votes shall be excluded and each voting paper counted to the excluded candidate shall be counted to the continuing candidate next in the order of the voter's preference.
  - (c) The procedure specified in subparagraph (b) shall be followed in respect of each subsequent count as if the reference in that subparagraph to the candidate who received the fewest number of first preference votes were a reference to the candidate to whom the fewest number of votes was allocated on the previous count, until one continuing candidate remains.
  - (d) Where in the process of counting there is more than one candidate with the fewest votes the candidate to be excluded shall be determined by the Registrar by lot.
  - (e) In the process of counting, exhausted voting papers shall be set aside as finally dealt with and shall henceforth not be taken into account in ascertaining the result of the ballot.(2) The Registrar shall report the result of the ballot to the Chancellor who shall then declare duly elected the last remaining continuing candidate.
7. Where there is more than one vacancy to be filled the following procedure shall be followed:
  - (a) After any voting papers which are invalid have been rejected, the Registrar shall count the total number of first preference votes given for each candidate.
  - (b) The aggregate number of such first preference votes shall be divided by one more than the number of candidates required to be elected and the quotient increased by one, disregarding any remainder, shall be the quota and, except as provided in paragraph (h), no candidate shall be elected until that candidate obtains a number of votes equal to or greater than the quota.
  - (c) If any candidate has, upon the first preferences being counted, a number of votes equal to the quota this shall be conveyed to the Chancellor who shall declare that candidate elected and the voting papers on which a first preference for that candidate is recorded shall be set aside as finally dealt with.
  - (d) If any candidate has, upon the first preferences being counted, a number of votes in excess of the quota this shall be conveyed to the Chancellor who shall declare that candidate elected and the proportion of votes in excess of the quota shall be transferred to the other candidates not declared elected in order of the voter's respective preferences in the following manner —
    - (i) all the voting papers on which a first

preference is recorded for an elected candidate shall be re-examined and the number of second preferences or, as provided in paragraph (k), third or next consecutive preferences recorded for each candidate not declared elected shall be counted;

- (ii) the surplus of votes of the candidate whose papers are being re-examined shall be divided by the total number of votes obtained by that candidate on the counting of the first preferences and the resulting fraction shall be the transfer value;
    - (iii) the number of second or other preferences, as counted in subparagraph (i) above, for each candidate not declared elected shall be multiplied by the transfer value;
    - (iv) the resulting number, disregarding any fractional remainder, shall be credited to each candidate not declared elected for whom a preference has been indicated and added to the number of votes obtained by that candidate on the counting of the first preferences.
  - (e) (i) If after the counting of the first preferences more than one candidate has a surplus, the largest surplus shall be first dealt with; and then if there is still more than one candidate who has a surplus then the largest surplus shall be dealt with and so on; provided that if one candidate has obtained a surplus at a count or transfer previous to that at which another candidate obtains a surplus, the surplus of the former shall be first dealt with.
    - (ii) Where two or more surpluses are equal, the surplus of the candidate who was the highest on the poll at the count or transfer at which they last had an unequal number of votes shall be first dealt with, and, if they have had an equal number of votes at all preceding counts or transfers, the Registrar shall decide which candidate's surplus shall be first dealt with.
  - (f) (i) Where the number of votes obtained by a candidate is raised up to or above the quota by a transfer of votes this shall be conveyed to the Chancellor who shall declare the candidate elected; and notwithstanding that the candidate may have reached the quota, the transfer shall be completed, and all the votes to which the candidate is entitled therefrom shall be transferred to the candidate, but no votes of any other candidate shall be so transferred.
    - (ii) Where the number of votes obtained by a candidate is raised up to, but not above, the quota by a transfer as above, the whole of the voting papers on which such votes are recorded shall be set aside as finally dealt with.
    - (iii) Where the number of votes obtained by a candidate is raised above the quota by a transfer as above, the candidate's surplus of votes shall be transferred to the candidates next in the order of the voter's respective preferences, in like

- manner as prescribed in paragraph (d) above.
- (g) (i) Where, after the first preferences have been counted and all surpluses, if any, have been transferred, no candidate, or candidates less than the number of candidates required to be elected, has or have obtained the quota, the candidate who is lowest on the poll shall be excluded, and all the votes obtained by that candidate shall be transferred to the candidates next in the order of the voter's respective preferences, in the same manner as is directed in paragraph (d).
  - (ii) The votes obtained by such excluded candidate as first preferences shall first be transferred, the transfer value of each vote in this case being 1.
  - (iii) The other votes of such excluded candidate shall then be dealt with in the order of the transfers in which, and at the transfer value at which, the candidate obtained them.
  - (iv) Each of the transfers which takes place under subparagraphs (ii) and (iii) shall be deemed for all purposes to be a separate transfer.
  - (h) (i) Where the number of votes obtained by a candidate is raised up to or above the quota by any such transfer as above this shall be conveyed to the Chancellor who shall declare that candidate elected and such transfer shall then be completed, all the votes to which the candidate is entitled therefrom shall be transferred, but no other votes shall be transferred.
  - (ii) Where the number of votes obtained by a candidate is raised up to, but not above, the quota, by any such transfer, the whole of the voting papers on which such votes are recorded shall be set aside as finally dealt with.
  - (iii) Where the number of votes obtained by a candidate is raised above the quota by any such transfer, the surplus shall be transferred to the candidates next in the order of the voter's respective preferences in the same manner as is directed in paragraph (f); provided that such surplus shall not be dealt with until all the votes of the excluded candidate have been transferred.
  - (iv) Where any surplus exists it shall be dealt with before any other candidate is excluded.
  - (i) The same process of excluding the candidate lowest on the poll and transferring to other candidates those votes shall be repeated until the candidates, except the number required to be elected, have been excluded, and the names of the unexcluded candidates who have not already been so declared, shall then be conveyed to the Chancellor who shall declare that candidate or those candidates elected.
  - (j) Where at any time it becomes necessary to exclude a candidate, and two or more candidates have the same number of votes and are lowest on the poll, then whichever of such candidates was lowest on the poll at the last count or transfer at which they had an equal number of votes shall be first excluded, and if

such candidates have had an equal number of votes at all preceding counts or transfers the Registrar shall decide which candidate shall be first excluded.

- (k) In determining what candidate is next in the order of the voter's preference, any candidates who have been declared elected or who have been excluded shall not be considered, and the order of the voter's preference shall be determined as if the names of such candidates had not been on the voting paper.
  - (l) Where on any transfer it is found that on any voting paper there is no candidate opposite whose name a number is placed, other than those who have been already elected or excluded, such voting paper shall be set aside as exhausted.
8. In Resolutions 6 and 7—
- 'continuing candidate' means a candidate not already excluded from the count;
  - 'determine by lot' means determine in accordance with the following directions: The names of the candidates concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed, the candidate whose name is drawn first shall be excluded;
  - 'exhausted voting paper' means a valid voting paper upon which there is not indicated a next preference for a continuing candidate;
  - 'next preference' means the first of the subsequent preferences marked on the voting paper which is not given to an excluded candidate, provided that where there is a break in the consecutive numbering of candidates marked on a voting paper (other than a break rendering the voting paper invalid) only those preferences preceding the break shall be taken into account.

#### FELLOWS ELECTED BY THE FELLOWS

1. The special meeting of the Senate referred to in section 18 (1) of Chapter II of the By-laws for the purpose of the election of three Fellows by the Fellows shall be held immediately after the regular meeting of the Senate in February of the year prescribed by the By-laws.
2. At least twenty-five days prior to the day of the special meeting, or prior to the date of a Senate meeting at which an election to fill a vacancy is to occur, the Registrar shall forward to each Fellow entitled to vote a notice stating that the election is to be held and inviting nominations of persons for election.
3. The nomination procedure shall be as follows:—
  - (1) No person shall be eligible for election unless his or her nomination has been received by the Registrar by not later than 5.00 p.m. on the twelfth day prior to the day of the special meeting.
  - (2) (a) Each nomination shall be signed by a proposer and a seconder, being qualified voters, and shall be accompanied by a statement of information about the nominee, including full name, age, academic qualifications, honours and distinctions, occupation and other relevant information.
  - (b) The statement of information shall be edited by the Registrar and produced as a summary of information for distribution in accordance with Resolution 4.
  - (3) (a) There shall be a separate nomination paper for each nominee and no qualified voter shall be eligible to sign more nomi-

- nation papers than the number of persons to be elected.
- (b) If a qualified voter signs a greater number of nomination papers than the number of persons to be elected, his signature shall be counted upon the first nomination papers received by the Registrar equal to the latter number and shall not be counted upon any other nomination paper.
- (4) Information about valid nominations received shall be made available by the Registrar to any qualified voter who requests such information prior to the time at which nominations close.
4. (1) At least three working days prior to the day of the special meeting or prior to the date of a Senate meeting at which an election to fill a vacancy is to occur, the Registrar shall forward to each Fellow entitled to vote a notice setting out the valid nominations received and including the names of proposers and seconders and the summary of information produced in accordance with Resolution 3 (2) (b).
- (2) Where an election to fill a vacancy is to occur at a Senate meeting the election shall be set down on the agenda to occur as the first item of business unless the Senate determines otherwise at its previous meeting and notice is given of that determination in the notice referred to in Resolution 4.
5. At the special meeting or at the Senate meeting at which an election to fill a vacancy is to occur—
- (1) should the number of nominees not exceed the number of persons to be elected, the Chancellor shall then declare the nominee or nominees, if any, duly elected;
- (2) should the number of nominees exceed the number of persons to be elected a ballot shall be held as hereinafter provided.
6. The Registrar shall give to each qualified voter at the special meeting or at the Senate meeting at which an election to fill a vacancy is to occur a voting paper which shall contain the names of all persons duly nominated, arranged in alphabetical order, together with a rectangle opposite and to the left of each name.
7. (1) A voter shall vote by placing the figure '1' in the rectangle opposite and to the left of the name of the nominee for whom it is intended to vote as first preference and if there is more than one position to be filled by placing the figure '2' in the rectangle opposite and to the left of the nominee for whom it is intended to vote as second preference and if there are three positions to be filled by placing the figure '3' in the rectangle opposite and to the left of the nominee for whom it is intended to vote as third preference.
- (2) Notwithstanding the number of positions to be filled a voter may indicate an order of preference for as many more nominees as the voter pleases by placing in the rectangles respectively opposite and to the left of their names other figures next in numerical order after the figures already placed by the voter on the voting paper.
8. The ballot shall be conducted by the Registrar assisted by such persons as he or she may require.
9. The Registrar shall reject any voting paper on which a voter has not voted for at least the same number of nominees as there are positions to be filled and in any case of doubt as to the validity of a voting paper the Registrar shall refer the matter to the Chancellor whose decision shall be final.
10. (1) Where there is only one vacancy to be filled the following procedure shall be followed:
- (a) After any voting papers which are invalid have been rejected, the Registrar shall count the total number of first preference votes given for each nominee and if any person has received more than half the number of votes cast the Registrar shall convey this to the Vice Chancellor who shall then declare that person duly elected.
- (b) The nominee who has received the fewest first preference votes shall be excluded and each voting paper counted to the excluded nominee shall be counted to the continuing nominee next in the order of the voter's preference.
- (c) The procedure specified in subparagraph (b) shall be followed in respect of each subsequent count as if the reference in that subparagraph to the nominee who received the fewest number of first preference votes were a reference to the nominee to whom the fewest number of votes was allocated on the previous count, until one nominee has received more than half the valid votes cast.
- (d) Where in the process of counting there is more than one nominee with the fewest votes the nominee to be excluded shall be determined by the Registrar by lot.
- (e) In the process of counting, exhausted voting papers shall be set aside as finally dealt with and shall henceforth not be taken into account in ascertaining the result of the ballot.
- (2) The Registrar shall report the result of the ballot to the Chancellor who shall then declare duly elected the last remaining continuing nominee or the nominee who has received more than half the valid votes cast.
11. Where there is more than one vacancy to be filled the following procedure shall be followed:
- (a) After any voting papers which are invalid have been rejected, the Registrar shall count the total number of first preference votes given for each nominee.
- (b) The aggregate number of such first preference votes shall be divided by one more than the number of vacancies and the quotient, rounded to the second decimal place and increased by one, shall be the quota and except as provided in paragraph (h), no nominee shall be elected until that nominee obtains a number of votes equal to or greater than the quota.
- (c) If any nominee has, upon the first preferences being counted, a number of votes equal to the quota this shall be conveyed to the Chancellor who shall declare that nominee elected and the voting papers on which a first preference for that nominee is recorded shall be set aside as finally dealt with.
- (d) If any nominee has, upon the first preferences being counted, a number of votes in excess of the quota this shall be conveyed to the Chancellor who shall declare that nominee elected and the proportion of votes in excess of the quota shall be transferred to the other nominees not declared elected in order of the voter's respective preferences in the following manner:—
- (i) all the voting papers on which a first preference is recorded for an elected nominee shall be re-examined and the

- number of second preferences or as provided in paragraph (k), third or next consecutive preferences recorded for each nominee not declared elected shall be counted.
- (ii) the surplus of votes of the nominee whose papers are being re-examined shall be divided by the total number of votes obtained by that nominee on the counting of the first preferences and the resulting fraction shall be the transfer value;
  - (iii) the number of second or other preferences, as counted in subparagraph (i) above, for each nominee not declared elected shall be multiplied by the transfer value;
  - (iv) the resulting number, rounded to the second decimal place, shall be credited to each nominee not declared elected for whom a preference has been indicated and added to the number of votes obtained by that nominee on the counting of the first preferences.
- (e) (i) If after the counting of the first preferences more than one nominee has a surplus, the largest surplus shall be first dealt with; and then if there is still more than one nominee who has a surplus then the largest surplus shall be dealt with and so on; provided that if one nominee has obtained a surplus at a count or transfer previous to that at which another nominee obtains a surplus, the surplus of the former shall be first dealt with.
- (ii) Where two or more surpluses are equal, the surplus of the nominee who was the highest on the poll at the count or transfer at which they last had an unequal number of votes shall be first dealt with, and, if they have had an equal number of votes at all preceding counts or transfers, the Registrar shall decide by lot which nominee's surplus shall be first dealt with.
- (f) (i) Where the number of votes obtained by a nominee is raised up to or above the quota by a transfer of votes this shall be conveyed to the Chancellor who shall declare the nominee elected; and notwithstanding that the nominee may have reached the quota, the transfer shall be completed, and all the votes to which the nominee is entitled therefrom shall be transferred to the nominee, but no votes of any other nominee shall be so transferred.
- (ii) Where the number of votes obtained by a nominee is raised up to, but not above, the quota by a transfer as above, the whole of the voting papers on which such votes are recorded shall be set aside as finally dealt with.
- (iii) Where the number of votes obtained by a nominee is raised above the quota by a transfer as above, the nominee's surplus of votes shall be transferred to the nominees next in the order of the voter's respective preferences, in like manner as prescribed in paragraph (d) above.
- (g) (i) Where, after the first preferences have been counted and all surpluses, if any, have been transferred, no nominee, or nominees less than the number of nominees required to be elected, has or have obtained the quota, the nominee who is lowest on the poll shall be excluded, and all the votes obtained by that nominee shall be transferred to the nominees next in the order of the voter's respective preferences, in the same manner as is directed in paragraph (d).
- (ii) The votes obtained by such excluded nominee as first preferences shall first be transferred, the transfer value of each vote in this case being 1.
- (iii) The other votes of such excluded nominee shall then be dealt with in the order of the transfers in which, and at the transfer value at which, the nominee obtained them.
- (iv) Each of the transfers which takes place under subparagraphs (ii) and (iii) shall be deemed for all purposes to be a separate transfer.
- (h) (i) Where the number of votes obtained by a nominee is raised up to or above the quota by any such transfer as above this shall be conveyed to the Chancellor who shall declare that nominee elected and such transfer shall then be completed, all the votes to which the nominee is entitled therefrom shall be transferred, but no other votes shall be transferred.
- (ii) Where the number of votes obtained by a nominee is raised up to, but not above, the quota, by any such transfer, the whole of the voting papers on which such votes are recorded shall be set aside as finally dealt with.
- (iii) Where the number of votes obtained by a nominee is raised above the quota by any such transfer, the surplus shall be transferred to the nominees next in the order of the voter's respective preferences in the same manner as is directed in paragraph (f); provided that such surplus shall not be dealt with until all the votes of the excluded nominee have been transferred.
- (iv) Where any surplus exists it shall be dealt with before any other nominee is excluded.
- (i) The same process of excluding the nominee lowest on the poll and transferring to other nominees those votes shall be repeated until the nominees, except the number required to be elected, have been excluded, and the names of the unexcluded nominees who have not already been so declared, shall then be conveyed to the Chancellor who shall declare that nominee or those nominees elected.
- (j) Where at any time it becomes necessary to exclude a nominee, and two or more nominees have the same number of votes and are lowest on the poll, then whichever of such nominees was lowest on the poll at the last count or transfer at which they had an equal number of votes shall be first excluded and if such nominees have had an equal number of votes at all preceding counts or transfers the Registrar shall decide which nominee shall be first excluded.
- (k) In determining what nominee is next in the

order of the voter's preference, any nominees who have been declared elected or who have been excluded shall not be considered, and the order of the voter's preference shall be determined as if the names of such nominees had not been on the voting paper.

- (I) Where on any transfer it is found that on any voting paper there is no nominee opposite whose name a number is placed, other than those who have been already elected or excluded, such voting paper shall be set aside as exhausted.

**12. In Resolutions 10 and 11—**

'continuing nominee' means a nominee not already excluded from the count;

'determine by lot' means determine in accordance with the following directions: The names of nominees concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed, the nominee whose name is drawn first shall be excluded or not first dealt with;

'exhausted voting paper' means a valid voting paper upon which there is not indicated a next preference for a continuing nominee;

'next preference' means the first of the subsequent preferences marked on the voting paper which is not given to an excluded nominee, provided that where there is a break in the consecutive numbering of candidates marked on a voting paper (other than a break rendering the voting paper invalid) only those preferences preceding the break shall be taken into account.

# The Seal and the Arms of the University

## BY-LAWS CHAPTER III

1. The Seal of the University shall be placed in the charge of the Chancellor or Deputy Chancellor or Vice-Chancellor and the Registrar, and shall not be affixed to any document except by order of the Senate or under its authority.

2. The Arms of the University —

- (a) may be used only for a purpose authorised by the Senate;
- (b) shall be in such form as may be approved by the Senate; and
- (c) shall be used in conformity with the resolutions of the Senate.

## RESOLUTIONS OF THE SENATE

Pursuant to section 2 of Chapter III of the By-Laws, the Senate has prescribed the following Resolutions concerning the use of the Arms of the University.

1. The right to use the Arms of the University can only be conferred by the Senate, and no person, body or institution or organisation may so use the Arms without the express permission of Senate, save as provided for in Resolution 2.

2. The Senate affirms that all those constituent divisions, organisations and institutions which on 7 November 1983 were operating subject to the authority of Senate, and using the Arms of the University, are deemed to have been granted the permission referred to in Resolution 1, subject always to Resolution 4 below.

3. When any new organisations of this kind are in future created, the right to use the Arms of the University will be a question for determination by Senate.

4. (1) One design, namely that made for the University in 1976 by H. Williamson, is to be adopted for sole use in print and all other versions are to be discarded when stocks of those items bearing the Arms are exhausted.

(2) Other designs may be authorised for use in other media from time to time subject to approval of quality of design and execution.

5. Specific approval must be sought by all who seek to use the Arms of the University on articles for sale or public distribution or the like and all such applications for approval together with those under Resolution 4(2) above will be considered in the first instance by the Ceremonials Committee of the Academic Board or by a sub-committee thereof.

present a report setting forth a pay sheet for the disbursements required for that or the next month, as occasion may arise, in accordance with the general estimates and votes for expenditure for the current year, or with any specific order previously made by the Senate, and also setting forth any other demands which the Committee shall, after inquiry and examination, see reason to submit for allowance and payment in that month.

8. The Finance Committee shall also in each month present to the Senate a report showing the general state and condition of the University's financial affairs, and setting forth all receipts and disbursements since the last preceding report of like character, and shall therein distinguish all loans and repayment of loans from other disbursements and receipts, and the committee shall, at such meeting and other meetings, promptly report any default in the payment of interest on any investment or in the payment of any principal money which may be due to the University.

9. Except so far as the Vice-Chancellor is authorized under By-law 1 (2) (e) of Chapter VI to incur expenditure for any urgent matter, no expenditure of funds of the University, otherwise than by way of investment on loan upon the authority of the Finance Committee, with the approval of the Chancellor or Deputy Chancellor, shall be made unless the same shall have been authorized by the Senate.

10. All moneys received on behalf of the University shall be forthwith paid by the Treasurer to the credit of the University at its bank of deposit, on General or Special Account, as the case may require.

11. (a) All disbursements of money belonging to the University, whether by way of payment or of investment, shall be made by cheque drawn on the University's bank.
- (b) Every such cheque shall be signed by one of such persons as the Senate may from time to time authorize to be signing officers and countersigned by one of such persons as the Senate may from time to time authorize to be countersigning officers. Provided that the Vice-Chancellor may, if in his opinion the circumstances require it, authorize one of the authorized signing officers to act instead as a countersigning officer.
- (c) Every such cheque shall be signed and countersigned as aforesaid in such manner (whether by written signature or otherwise) as the Senate may from time to time prescribe.

12'. Subject to the provisions of any instrument creating a particular trust, moneys belonging to the University, whether at the time in a state of investment or not, may be invested in any of the following modes of investment, and not otherwise:

- (a) Any public funds or Government Stock or Government Securities of the Commonwealth of Australia, or any State thereof.
- (b) Any debentures or securities guaranteed by the Government of the Commonwealth of Australia or any State thereof.
- (c) Any duly authorized debentures or securities issued by the Municipal Council of Sydney, or any Municipal or Shire Council in New South Wales, or any incorporated body or society having statutory powers to issue the same in New South Wales, and approved by the Senate.

## BY-LAWS CHAPTER IV

1. The general supervision of the financial affairs of the University shall, subject to the direction and control of the Senate, be entrusted to a Finance Committee consisting of a Chairman and not more than ten other Fellows of the Senate, of which number four shall constitute a quorum.

Such Fellows shall be chosen annually by the Senate, and shall remain in office until their successors shall have been appointed. All casual vacancies shall be notified by the Registrar at the next meeting of the Senate, and shall be filled by the Senate as soon thereafter as conveniently may be.

2. The Finance Committee shall meet once a month, and at such other times as the Senate shall have directed, or when it shall be summoned by the Registrar under the direction of the Chancellor, or Deputy Chancellor, or Vice-Chancellor.

3. The University Solicitor may be required by the Committee to attend any of its meetings with reference to the investments or other matters requiring legal advice or assistance.

4. It shall be the duty of the Finance Committee to submit to the Senate, towards the end of each academic year, an estimate of the expected revenue for the next ensuing year, together with a statement of the proposed expenditure as already authorized by the Senate or apprehended to be necessary, such estimates and expenditure to be arranged under as many heads as shall be convenient. And the Senate shall, as soon after as may be, consider such estimates and pass votes for expenditure during such coming year, which votes shall not be exceeded unless upon special grounds and on the report of the Finance Committee that sufficient funds are available for the expenditure.

5. The Finance Committee shall, as soon as practicable after the close of each academic year, submit to the Senate a report and a duly audited statement of the accounts and transactions during the past year.

6. The Vice-Chancellor shall present to the Finance Committee in each month a statement showing, with such details and particulars as the Committee shall have required, the full state and condition of the University's financial affairs at that time, and the Vice-Chancellor shall then inform the Committee of all financial matters proper to be considered at that meeting, and shall produce the Bank Pass Books of the University made up to the preceding day.

7. The Finance Committee shall once in each month

<sup>1</sup> The Senate has approved the repeal of this section.

- (d) First mortgage of land held in fee simple in New South Wales.
- (e) First mortgage of leasehold lands held under leases, which will have not less than thirty years to run at the date of the expiration of the mortgage: Provided that no such investment shall be made unless approved by resolution of the Senate at a meeting summoned on special notice of the proposal.
- (f) Deposit at interest with any bank carrying on business in Sydney, or any corporation having its head office in Sydney, and approved by the Senate.
- (g) Purchase of freehold or leasehold lands, with or without improvements, provided that no such investment shall be made unless approved by resolution of the Senate at a meeting summoned on special notice of the proposal.

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# Convocation

## BY-LAWS CHAPTER V

### CONVOCATION

1. (1) Subject to subsection (2), Convocation shall consist of the following persons, namely:
  - (a) Fellows;
  - (b) officials declared by the University and University Colleges Act, 1900, to have the same rights and privileges within the University as Masters and Doctors;
  - (c) graduates keeping their names in accordance with any By-law in that behalf on the register of the University, who have taken within the University the degree of Master or Doctor;
  - (d) Bachelors and all other persons who obtain any certificate which the Senate by By-law declares to be equivalent to the degree of Bachelor.
- (2) A person may be exempted from membership of Convocation upon satisfying the Senate that he objects on grounds of conscience to such membership.

### STANDING COMMITTEE OF CONVOCATION

2. (i) There shall be a Standing Committee of Convocation (hereinafter referred to as the 'Standing Committee') consisting of a President and not less than forty persons who are members of Convocation.

At least 25 per cent of the members of the Standing Committee shall be women.
- (ii) Subject to the University and University Colleges Act—
  - (a) The members of the Standing Committee shall be elected by Convocation.
  - (b) The first election of members of the Standing Committee shall be conducted as the Senate may by resolution prescribe.
  - (c) Subsequent elections of members of the Standing Committee shall be conducted in accordance with the standing orders of Convocation for the time being; such standing orders may provide for voting by post and for preferential voting or for proportional representation.



## REGISTER OF GRADUATES, REGISTER OF MEMBERS OF CONVOCATION AND SUPERIOR OFFICERS

3. (i) A Register of Graduates of the University shall be kept by the Registrar in such manner as the Senate shall from time to time direct.
- (ii) A Register of members of Convocation shall be kept by the Registrar in such manner as the Senate shall from time to time direct and such Register shall be conclusive evidence that any person whose name shall appear thereon at the time of his claiming a vote at a meeting of Convocation or for an election of Fellows of the Senate or members of the Standing Committee is so entitled to vote.
- (iii) The University Auditor, and the University Accountant, are hereby declared to be Superior Officers of the University entitled to the rights and privileges conferred by Section 32 of the University and University Colleges Act 1900-1965.

## MEETINGS OF CONVOCATION

4. (i) The Chancellor, or in his absence the Deputy Chancellor, or in the absence of both, the Vice-Chancellor, shall in pursuance of a resolution of the Senate, or upon the receipt of a requisition signed by at least twenty members of Convocation, summon a meeting of Convocation to be holden at such time and place as he shall direct. And such meeting shall be held accordingly within twenty-eight days from the receipt of the requisition. And notice of such meeting shall be given by public advertisement not less than fourteen days before the day appointed for the meeting: Provided that every such requisition shall specify the subjects which it is proposed to bring before Convocation. And if, in the opinion of the summoning officer, the subjects so specified, or any of them, are such as ought not to be discussed in Convocation, he shall refer the matter to the Senate, which shall decide whether the meeting shall be held or not: Provided that no such meeting shall be held in the month of January.
- (ii) At all meetings so summoned, the Chancellor, or in his absence, the Deputy Chancellor, or in the absence of both, the Vice-Chancellor, shall preside. In the absence of the Chancellor, the Deputy Chancellor or the Vice-Chancellor, the members of the Convocation present shall elect one of their number to be president of that meeting.
- (iii) Apart from the meetings of Convocation provided for in Sections 1 and 2 hereof, Convocation shall meet when summoned—
- (a) by the Standing Committee and
- (b) as provided for by standing orders of Convocation.
- (iv) Convocation shall hold at least one meeting in each year.
- (v) The presence at any meeting of one hundred members of Convocation shall be necessary to form a quorum. And if within half an hour from the time of meeting there shall be no quorum present the meeting shall lapse.
- (vi) At all meetings of Convocation the Registrar or his Deputy shall act as secretary and keep the minutes of all proceedings.
- (vii) Every meeting may be adjourned by the Chairman of the meeting to such day and hour as may be fixed by resolution.
- (viii) All questions submitted to the Convocation shall be decided by a majority of members pres-

ent. The Chairman of the meeting shall have a deliberate as well as a casting vote.

(ix) All resolutions of Convocation shall be signed by the Chairman of the meeting and shall be laid by the Registrar before the Senate at its next meeting.

(x) Convocation shall make standing orders providing for—

- (a) the Constitution and election of the Standing Committee;
- (b) the number of ordinary meetings to be held in each year;
- (c) the time and place of and manner of convening meetings summoned by the Standing Committee;
- (d) for the regulation of meetings so summoned and of the meetings of the Standing Committee;
- (e) and for any other matters with respect to which it is empowered by the By-laws of the University to make standing orders so far as such standing orders are not repugnant to any provisions of the University and University Colleges Act.

(xi) Until standing orders are made by Convocation, the Standing Committee may make provisional standing orders in regard to any of the above matters.

## POWERS OF CONVOCATION AND OF STANDING COMMITTEE

5. (1) Convocation shall submit for the consideration of the Senate such suggestions as it thinks fit with respect to the affairs and concerns of the University: and the Senate may take all such suggestions into consideration and report to Convocation its determinations thereon.
- (2) The Standing Committee may submit for the consideration of the Senate such suggestions as it thinks fit in respect of the affairs and concerns of the University: and the Senate may take all such suggestions into consideration and report to the Standing Committee its determinations thereon.
- (3) The Standing Committee shall report to the Senate on any matters referred to it by the Senate for report.
- (4) The Standing Committee may at any time and shall once at least in every year report to Convocation.
- (5) Whenever the Senate proposes to make any new By-laws or to repeal or alter any existing By-laws, it may submit the same to the Standing Committee for its consideration. The Standing Committee shall within twenty-eight days after such submission report to the Senate its opinion thereon.

IV: FINANCE

V: CONVOCATION

# The Vice-Chancellor and other officers

## BY-LAWS CHAPTER VI THE VICE-CHANCELLOR

1. (1) The Vice-Chancellor shall be the chief executive officer, and shall be specially charged with the duty of promoting the interests and furthering the development of the University.
- (2) The Vice-Chancellor shall, under the Senate, subject to the By-laws and to any resolution of the Senate—
  - (a) manage and supervise the administrative, financial, and other business of the University;
  - (b) collect and prepare for the Senate and Finance Committee all information, including estimates of receipts and expenditure, required by them in relation to the finances of the University;
  - (c) consult with and advise the Academic Board, and all other University Boards, Faculties, Committees, Heads of Departments and Professors;
  - (d) have the care of the property of the University;
  - (e) have authority to incur expenditure not exceeding one hundred thousand dollars for any urgent matter;
  - (f) exercise a general supervision over all persons in the service of the University;
  - (g) apportion administrative authority in any Faculty after consultation with the Dean and the Professors or Lecturers concerned;
  - (h) exercise supervision over the discipline of the University, with power, in the case of students, to impose penalties in accordance with the By-laws for breach of good order or for misconduct of any kind;
  - (i) give effect to the By-laws and to any resolution or report passed or adopted by the Senate;
  - (j) arrange for the conducting of correspondence of the University and answering of enquiries;
  - (k) perform such other duties as may from time to time be assigned to him by the Senate.
- (3) The Vice-Chancellor shall be *ex officio* a member of every Board other than a Proctorial Board, Faculty and Committee within the University, and, except in the case of the Finance Committee, he may, if he so desires, preside at

any meeting of such Board, Faculty or Committee.

(4) Nothing in the By-Law relating to the Vice-Chancellor shall affect the precedence or authority of the Chancellor or Deputy Chancellor.

## DEPUTY VICE-CHANCELLOR

2. (1) The Senate may appoint one or more Deputy Vice-Chancellors.
- (2) A Deputy Vice-Chancellor shall assist the Vice-Chancellor as the Vice-Chancellor may require.
- (3) A Deputy Vice-Chancellor shall become, on the nomination of the Vice-Chancellor, Acting Vice-Chancellor when the Vice-Chancellor is absent from the University.
- (4) A Deputy Vice-Chancellor is, while holding office as Deputy Vice-Chancellor, a member of the Academic Board and its committees and of every Faculty and Board of Studies.

## PRO-VICE-CHANCELLOR

3. (1) The Senate may appoint one or more Pro-Vice-Chancellors from among the full-time permanent members of the academic staff.
- (2) A Pro-Vice-Chancellor shall, subject to the terms and conditions of his or her appointment as to vacation of office, hold office for the period appointed by the Senate, but the period shall be a period of not less than 3 and not more than 5 years.
- (3) A Pro-Vice-Chancellor is eligible (if otherwise qualified) for re-appointment.
- (4) A Pro-Vice-Chancellor shall assist the Vice-Chancellor as the Vice-Chancellor may require.
- (5) A Pro-Vice-Chancellor is, while holding office as Pro-Vice-Chancellor—
  - (a) a member of the Academic Board; and
  - (b) released from such part of his or her duties as a member of the academic staff of a Department or School of the University as may be reasonably necessary to enable him or her to perform the duties of Pro-Vice-Chancellor.

## THE REGISTRAR

4. (1) The Registrar shall assist the Vice-Chancellor as he may require in the performance of his duties, and shall, under the Vice-Chancellor—
  - (a) keep proper records of the proceedings of the Senate and its committees, other than the Finance Committee of the Senate;
  - (b) keep proper records of the proceedings of the Academic Board and its committees;
  - (c) keep such registers as may be required;
  - (d) have the care of all the records and registers, and of all records of the proceedings of every Faculty and of every Board and Committee appointed by By-law or otherwise by the Senate;
  - (e) manage and supervise the examinations of the University;
  - (f) perform such other duties as under the By-laws are to be performed by the Registrar or as may from time to time be assigned to him by the Senate.
- (2) The Registrar shall be *ex officio* a member of the Academic Board and of every Faculty and Board of Studies.

## THE BURSAR

- 4A. (1) The Bursar shall assist the Vice-Chancellor as the Vice-Chancellor may require and shall, under

the Vice-Chancellor, be especially responsible for managing and supervising the financial business of the University.

(2) The Bursar is, while holding office as Bursar, a member of the Academic Board and secretary of the Finance Committee of the Senate.

#### **DEPUTY PRINCIPAL**

**4B.** The Senate may designate as Deputy Principal either or both of the persons holding office as Registrar or Bursar.

#### **THE UNIVERSITY LIBRARIAN**

**4c.** (1) The University Librarian shall, under the Vice-Chancellor, be responsible for the operation and management of the University Library and shall assist the Vice-Chancellor in such other matters as the Vice-Chancellor may require.

(2) The University Librarian is, while holding office as University Librarian, a member of the Academic Board and of every Faculty.

(3) The University Librarian may nominate another member of staff of the University Library to act as a member of a Faculty in the University Librarian's place.

#### **THE ACCOUNTANT**

**5.** The Accountant shall, subject to the preceding sections of this Chapter, assist the Vice-Chancellor as he requires, and shall—

- (a) keep proper accounts of all moneys and property of the University;
- (b) receive all fees, fines, and other sums payable to the University, and forthwith pay them to the account of the University with its bank in order that they may be applied, accounted for, and audited in such manner as the Senate may from time to time direct;
- (c) perform such other duties as may from time to time be assigned to him by the Senate.

## **The professors**

VI: VICE-CHANCELLOR  
AND OTHER OFFICERS  
VII: THE PROFESSORS

### **BY-LAWS CHAPTER VII**

#### **THE PROFESSORS**

**1.** The title of Professor shall be distinctive of those Public Teachers of the University upon whom the Senate shall have conferred that title, and no person in or belonging to the University, or any College within it, shall be recognized as Professor without the express authority of the Senate.

### **RESOLUTIONS OF THE SENATE**

#### **PERSONAL CHAIRS**

The Senate has adopted the following procedures relating to appointments to Personal Chairs:

**1.** A Personal Chair is not to be regarded as a Chair on the permanent establishment of a Department or School: it is created as an extraordinary appointment to enable the University to recognise the achievements of a member of the academic staff of the University who has attained exceptionally high distinction in his or her field.

**2.** Normally, a Personal Chair will only be created in lieu of a position occupied by a Senior Lecturer, Associate Professor or Reader.

**3.** The title of the holder of a Personal Chair is that of Professor, and is conferred by the Senate on the recommendation of the Academic Board in accordance with By-laws Chapter VII.

**4.** A recommendation for an appointment to a Personal Chair, accompanied by a *curriculum vitae* and a list of publications, together with the written consent of the person concerned, may be made to the Vice-Chancellor by the Head or a Professor of a Department or School or by the Dean of a Faculty.

**5.** (a) If the Vice-Chancellor deems that a *prima facie* case to proceed has been made and budgetary considerations allow, he will request from the Head of the Department or School, the Professor or Professors concerned and from the Dean or Deans of the relevant Faculty or Faculties the names of suitable persons to whom reference may be made, together with the names of persons both from within and without the University who might serve on the committee.

(b) If the Vice-Chancellor deems that further action is not warranted on budgetary grounds, he will report his decision to the Academic Board.

6. In consultation with the Chairman of the Academic Board the Vice-Chancellor will nominate to the Academic Board a committee consisting of the Vice-Chancellor, a Deputy Vice-Chancellor, the Chairman of the Academic Board and the Dean or Deans of the Faculty or Faculties concerned and seven other members of whom one shall be the Head of the Department or School or the Professor most concerned and up to two may come from without the University provided that no more than three of the entire committee shall come from the Department concerned.

7. If the committee decides to recommend an appointment to a Personal Chair it will forward its report, together with suggested conditions of appointment, to the Academic Board for consideration.

8. When the report is transmitted to the Senate the Vice-Chancellor will report on the additional cost involved.

# Academic Board, faculties, boards of studies, departments, schools and committees

## BY-LAWS CHAPTER VIII

1. This Chapter and the Chapters which deal with the several Faculties and Boards of Studies shall be read as if they expressly incorporated the provisions of the by-laws with respect to the Chancellor, the Deputy Chancellor, the Vice-Chancellor, a Deputy Vice-Chancellor, a Pro-Vice-Chancellor, the Registrar, the Bursar and the University Librarian in relation to the Academic Board, Faculties, Boards of Studies, Departments, Schools and Committees, as the case may be.

### THE ACADEMIC BOARD

2. (1) There shall be an Academic Board.
- (2) The members of the Board shall be—
  - (a) the Professors who are full-time permanent members of the academic staff;
  - (b) such other Professors as the Senate may appoint as members<sup>1</sup>;
  - (c) *[repealed]*;
  - (d) *[repealed]*;
  - (e) The Dean of a Faculty, the Chairman of the Board of Studies in Divinity, Music or Social Work or the Head of a Department or School where that Dean, Chairman or Head is not a Professor;
  - (f) other full-time permanent members of the academic staff, being in number to the nearest whole number one-third the number of positions created by the Senate and to which a Professor may be appointed, at the time nominations close for the election, elected in the manner and for the period prescribed by Senate resolution<sup>1</sup>;
  - (g) not more than 3 student members of each of the Faculties of Arts and Science, and not more than 2 student members of each other Faculty, each of whom is enrolled as a candidate proceeding to a degree of Bachelor in the Faculty of which he is a student member, elected in the manner and for the period prescribed by Senate resolution<sup>1</sup>;
  - (h) 1 student member of the Board of Studies in Social Work who is enrolled as a candidate for a degree of Bachelor under the Board of Studies, elected in the manner and for the period prescribed by Senate resolution;

<sup>1</sup> See Senate Resolutions this Chapter.

- (i) 1 student member of either the Board of Studies in Divinity or the Board of Studies in Music who is enrolled as a candidate for a degree of Bachelor under either Board of Studies, elected in the manner and for the period prescribed by Senate resolution<sup>1</sup>; and
  - (j) not more than five students, each of whom is enrolled as a candidate for a degree other than the degree of Bachelor or for a diploma, elected in the manner and for the period prescribed by Senate resolution<sup>1</sup>.
3. (1) The Board shall have a general responsibility for encouraging teaching, scholarship and research and for furthering and co-ordinating the work of the Faculties, Boards of Studies, Departments and Schools.  
(2) The Board shall consider and report on all matters referred to it by the Senate or by the Vice-Chancellor.  
(3) Subject to the by-laws and to any Senate resolution, the Board may—  
(a) make recommendations to the Senate with respect to the appointment of members of the academic staff;  
(b) determine matters concerning courses of study or examinations in any Faculty or Board of Studies;  
(c) determine the conditions for the admission to candidature for, and for the award of, degrees and diplomas;  
(d) determine the conditions for the award of any fellowship, scholarship, studentship or prize;  
(e) appoint examiners after considering a report from the Faculty or the Board of Studies concerned;  
(f) refer matters to Faculties and Boards of Studies for consideration and report, and refer matters to Departments and Schools for consideration and report through the Faculty or Board of Studies under whose supervision they are placed;  
(g) consider and take action on reports from Faculties and Boards of Studies;  
(h) report to the Senate on the needs of the University in respect of teaching, research and related facilities; and  
(i) submit recommendations to the Senate on any other matter relevant to the work of the University;  
(4) A member of the Board who is a candidate for a degree or diploma of the University shall not—  
(a) be present at any discussion;  
(b) participate in any decision; or  
(c) have the right of access to any material, relating to any matter in respect of his own candidature for a degree or diploma.  
(5) A report concerning the activities of the Board since the last report shall be presented to the Senate at the meeting of the Senate following that of the Board.  
(6) Where the Board does not approve without amendment any recommendation made by a Faculty or Board of Studies, it shall, if so requested by the Faculty or Board of Studies, transmit the recommendation in its original form to the Senate.  
(7) A Faculty or Board of Studies may request the Senate to review any decision of the Board and the Senate may at any time of its own motion review any such decision.
  4. Subject to the by-laws—  
(a) the Board may delegate to an Executive Committee appointed by it any functions of the Board but the Senate may require the Board itself to consider and report to it upon any matter; and  
(b) the Board may appoint Standing Committees to consider and report to it regularly on specified matters.
  5. (1) The Board shall meet at least once a term.  
(2) The quorum of the Board shall be fifty members.
  6. The person elected from time to time as the Fellow referred to in section 9 (1) (a) of Chapter II shall be Chairman of the Board.
  7. (1) The Board may elect one or more members nominated by the Chairman to be Deputy Chairman or Deputy Chairmen and the person or persons so elected shall hold office until the Board next elects a Chairman.  
(2) A Deputy Chairman shall have such duties and powers as may from time to time be assigned to him or her by the Chairman and, subject to section 3 (3), by the Board on the recommendation of the Chairman.

## FACULTIES

8. A Faculty shall consist of the full-time permanent members of the academic staff of Departments and Schools in the Faculty and such other persons or classes of persons as are prescribed in the by-laws.
9. Notwithstanding any other provision of this by-law, a Faculty shall exercise its powers and functions subject to the authority of the Senate and the Academic Board and to any determination of, appointment by or reference made by, the Senate or the Board.
10. A Faculty shall encourage teaching, scholarship and research in the Departments and Schools in the Faculty and co-operate with the other Faculties.
11. (1) Subject to sections 9 and 12, a Faculty shall determine all matters concerning the degrees and diplomas in that Faculty.  
(2) Without limiting the generality of subsection (1), a Faculty may—  
(a) admit to and determine candidature for the degrees and diplomas in that Faculty;  
(b) appoint supervisors and examiners of candidates for higher degrees in that Faculty;  
(c) subject to subsection (3), on the recommendation of a Professor in respect of a course of study in the field of his Chair or of the Head of the Department or School concerned, approve courses of study for the degrees and diplomas in the Faculty and arrangements for teaching such courses;  
(d) determine the nature and extent of examining in the courses of study in the subjects for the degrees and diplomas in the Faculty;  
(e) determine the grades of pass to be awarded, and the conditions for granting deferred or supplementary examinations in respect of the courses of study in the subjects for the degrees and diplomas in the Faculty; and  
(f) supervise the work of Departments and Schools and members of the Faculty under paragraphs (b), (c), (d) and (e).  
(3) Where a proposal for a new or revised course of study will affect a student enrolled in another Faculty or in a Board of Studies, the person or body authorised to approve that proposal shall ensure that the Dean of that other Faculty or the

<sup>1</sup> See Senate Resolutions this Chapter.

- Chairman of that Board of Studies has been consulted before a decision is taken on the proposal.
12. (1) A Faculty shall appoint annually one or more Boards of Examiners which shall be responsible for the conduct of examinations in the subjects of the Faculty in respect of candidates for the degree or degrees of Bachelor in the Faculty and which shall determine the specific results of each of the candidates after considering the recommendations of the examiners appointed by the Faculty.
- (2) A person who is a candidate for a degree of Bachelor in a Faculty shall not be eligible for appointment to any Board of Examiners appointed by that Faculty.
13. (1) Except where the Senate otherwise determines, each Faculty shall appoint from its members a Board of Postgraduate Studies which shall exercise in respect of each candidate for a postgraduate degree or diploma the powers and functions of the Faculty and shall exercise such other powers and functions in respect of postgraduate degrees and diplomas as the Faculty may determine.
- (2) A person (other than a member of the full-time teaching staff) who is a candidate for a degree or diploma of the University shall not—
- be present at any discussion at a meeting of a Board of Postgraduate Studies;
  - participate in any decision; or
  - except to the extent, if any, to which provision is made otherwise by or under any Act, have the right of access to any material, including material produced for the purpose of an examination or assessment within the Faculty concerned,
- being a discussion, decision or material, as the case may be, relating to any matter in respect of any candidature for a degree or diploma.
- (3) A member of a Board of Postgraduate Studies who is a member of the full-time teaching staff and who is a candidate for a degree or diploma of the University shall not—
- be present at any discussion at a meeting of a Board of Postgraduate Studies;
  - participate in any decision; or
  - except to the extent, if any, to which provision is made otherwise by or under any Act, have the right of access to any material, including material produced for the purpose of an examination or assessment within the Faculty concerned,
- being a discussion, decision or material, as the case may be, relating to any matter in respect of the member's own candidature for a degree or diploma.
14. (1) A member of a Faculty who is a member of the full-time teaching staff and who is a candidate for a degree or diploma of the University shall not—
- be present at any discussion at a meeting of a Faculty;
  - participate in any decision; or
  - except to the extent, if any, to which provision is made otherwise by or under any Act, have the right of access to any material, including material produced for the purpose of an examination or assessment within the Faculty concerned,
- being a discussion, decision or material, as the case may be, relating to any matter in respect of the member's own candidature for a degree or diploma.
- (2) A person (other than a member of the full-time teaching staff) who is a candidate for a degree or diploma of the University shall not—
- be present at any discussion at a meeting of a Faculty;
  - participate in any decision; or
  - except to the extent, if any, to which provision is made otherwise by or under any Act, have the right of access to any material, including material produced for the purpose of an examination or assessment within the Faculty concerned,
- being a discussion, decision or material, as the case may be, relating to any matter in respect of any candidature for a degree or diploma.
15. (1) A Faculty with more than one hundred members as at 1st January in each year shall, and other Faculties may, appoint annually a Standing Committee on Courses of Study.
- (2) A Standing Committee referred to in subsection (1) shall be appointed in the manner and for the period prescribed by Senate resolution.<sup>1</sup>
- (3) A Standing Committee referred to in subsection (1) shall consist of the Dean of the Faculty and the Heads of the Departments or Schools of the Faculty or their nominees and such other members of the Faculty as the Faculty may appoint.
- (4) A Standing Committee referred to in subsection (1) shall consider and make recommendations to the Faculty or, if so empowered by the Faculty, make decisions on proposals for new courses of study and on such proposals for revised courses of study as the Dean after consultation with the Registrar may determine.
16. A Faculty may appoint, in addition to any standing committee appointed under section 15 (1), other standing committees with such powers and functions, not being those referred to in section 15 (4), as the Faculty may determine and any such committee may exercise such of the powers and functions of the Faculty as are specified in the resolution constituting the committee or in any subsequent resolution of the Faculty.
17. (1) Where a Faculty approves an inter-Departmental or inter-School course of study or research, the Faculty shall appoint from the persons nominated in accordance with subsection (2) an inter-Departmental or inter-School Committee to be responsible for that course of study or research.
- (2) The Head of each Department or School from which the staff teaching a course, or supervising research, referred to in subsection (1) is to be drawn shall nominate one or more persons for membership of any Committee referred to in that subsection.
18. A Faculty shall consider and report on all matters referred to it by the Senate, the Vice-Chancellor or the Academic Board, and may of its own motion report to the Academic Board on all matters relating to research, studies, lectures, examinations, degrees and diplomas in the Faculty.
19. (1) A Faculty shall meet at least once a term.
- (2) The quorum of a Faculty shall be forty members of the Faculty or one-eighth of the membership of the Faculty as at 1st January in each year, whichever is the lesser.
- (3) Notwithstanding subsection (1), where a meeting of a Faculty is not held in any term the

<sup>1</sup> See Senate Resolutions this Chapter.

Dean shall report accordingly to the Academic Board at the next meeting of the Board held after the end of that term.

## BOARDS OF STUDIES

20. A Board of Studies shall consist of such persons or classes of persons as are prescribed in the by-laws.

21. In respect of courses provided for the curriculum leading to any degree or diploma under its control each of the Boards of Studies in Divinity, Music and Social Work shall have the same powers and functions as a Faculty.

21A.(1) A member of a Board of Studies who is a member of the full-time teaching staff and who is a candidate for a degree or diploma of the University shall not—

- (a) be present at any discussion at a meeting of a Board of Studies;
- (b) participate in any decision; or
- (c) except to the extent, if any, to which provision is made otherwise by or under any Act, have the right of access to any material, including material produced for the purpose of an examination or assessment within the Board of Studies concerned,

being a discussion, decision or material, as the case may be, relating to any matter in respect of the member's own candidature for a degree or diploma.

(2) A person (other than a member of the full-time teaching staff) who is a candidate for a degree or diploma of the University shall not—

- (a) be present at any discussion at a meeting of a Board of Studies;
- (b) participate in any decision; or
- (c) except to the extent, if any, to which provision is made otherwise by or under any Act, have the right of access to any material, including material produced for the purpose of an examination or assessment within the Board of Studies concerned,

being a discussion, decision or material, as the case may be, relating to any matter in respect of any candidature for a degree or diploma.

## DEPARTMENTS AND SCHOOLS

22. (1) A Department or School shall consist of such of the members of the teaching staff as are appointed or assigned to it by the Senate or the Vice-Chancellor.

(2) A Department or School shall be placed by the Senate or the Vice-Chancellor under the supervision, referred to in section 11 (2) (f), of a Faculty or Board of Studies.

23. Subject to the authority of the Senate, the Academic Board and the Faculties and Boards of Studies, a Department or School shall encourage and facilitate teaching, scholarship and research and co-ordinate the teaching and examining duties of members of staff in the subjects or courses of study with which it is concerned.

24. (1) Where there is not already a Head of Department or School by terms of appointment, the Vice-Chancellor shall, after consultation with the Professors and the Associate Professors of the Department or School, appoint or reappoint a Head of the Department or School for a period not exceeding two years and, except where in the Vice-Chancellor's opinion there are special circumstances, from among the Professors and Associate Professors.

(2) The Head of a Department or School shall be responsible to the Senate through the Vice-Chancellor for administering the Department or School according to the policies and decisions of the Senate, the Academic Board and the Faculty or Board of Studies concerned.

(3) The Head of a Department or School shall—

- (a) arrange to consult from time to time with students on courses of study, teaching and examining within the Department or School and report annually to the Faculty concerning these arrangements;
- (b) arrange to consult and inform members of the Departmental or School Board on matters of policy and administration at least once each term; and
- (c) undertake such other responsibilities and carry out such other duties relating to the work of the Department or School as the Vice-Chancellor or the Faculty or Board of Studies concerned may from time to time require.

25. (1) A Professor, in respect of the field of his Chair, shall be responsible for initiating proposals for courses of study, for supervising and participating in teaching and examining and for promoting advanced study and research.

(2) Subject to subsection (1) and to section 26 the Head of a Department or School shall—

- (a) submit to the Faculty or Board of Studies concerned proposals relating to courses of study and examinations in the Department or School;
- (b) organise the teaching and examining of courses of study as approved in general form by the Faculty or Board of Studies concerned;
- (c) allocate administrative duties within the Department or School; and
- (d) allocate and supervise the expenditure of funds allotted to the Department or School for maintenance, equipment and research.

## DEPARTMENTAL AND SCHOOL BOARDS

26. (1) Within each Department and School there shall be a Departmental or School Board.

(2) A Departmental or School Board shall consist of the following members:—

- (a) the full-time members of the teaching staff<sup>1</sup> assigned to a particular Department or School;
- (b) at least 1 student, not being a member of the full-time teaching staff, enrolled for a degree or diploma either supervised by a member of, or taking courses in, that Department or School, to be selected in a manner to be determined by the full-time members of the teaching staff of the Department or School concerned; and
- (c) persons of such other classes as may be prescribed from time to time by the Senate.

(3) A Departmental or School Board shall consider and make representations on any matters pertaining to the Department or School referred to it by the Head of the Department or School and may in addition make representations on any matter pertaining to the Department or School—

- (a) to the Head of the Department or School; and

<sup>1</sup> The Senate has approved an amendment to include research staff in this section.

- (b) through the Head of the Department or School, to the Faculty or Board of Studies concerned, the Vice-Chancellor or other appropriate officers of the University.
- (4) A person who is a candidate for a degree or diploma of the University shall not—
  - (a) be present at any discussion at a meeting of a Departmental or School Board;
  - (b) participate in any decision; or
  - (c) except to the extent, if any, to which provision is made otherwise by or under any Act, have the right of access to any material, including material produced for the purpose of an examination or assessment within the Faculty or Board of Studies concerned, being a discussion, decision or material, as the case may be, relating to any matter concerning the person's own candidature for a degree or diploma.
- (5) A person (other than a member of the full-time teaching staff) who is a candidate for a degree or diploma of the University shall not—
  - (a) be present at any discussion at a meeting of a Departmental or School Board;
  - (b) participate in any decision; or
  - (c) except to the extent, if any, to which provision is made otherwise by or under any Act, have the right of access to any material, including material produced for the purpose of an examination or assessment within the Faculty or Board of Studies concerned, being a discussion, decision or material, as the case may be, relating to any matter in respect of any other person's candidature for a degree or diploma which is either the same as, or deemed by the Faculty or Board of Studies concerned to be of a standing equivalent to or higher than, the degree or diploma for which the first-mentioned person is a candidate.
- (6) A Departmental or School Board shall meet at least once each term.
- (7) The person who shall preside at meetings of a Departmental or School Board as Chairman shall be determined in a manner to be prescribed by resolution of the Senate.

#### **MEETINGS OF BOARDS, FACULTIES, COMMITTEES AND DEPARTMENTAL AND SCHOOL BOARDS**

27. (1) A meeting of the Academic Board shall be convened at the direction of the Vice-Chancellor or the Chairman of the Board or on the written requisition of at least twenty members addressed to the Registrar.
- (2) A meeting of a Faculty or Board of Studies or a Committee shall be convened at the direction of the Vice-Chancellor or the Chairman or on the written requisition of any five members addressed to the Registrar.
- (2A) A meeting of a Departmental or School Board shall be convened—
- (a) by the person who would, in the normal course of events, preside at meetings of the Board—
    - (i) at the direction of the Vice-Chancellor given to the person;
    - (ii) where that person is not the Head of the Department or School concerned, at the direction of that Head given to the person; and

- (iii) where required by section 26(6) and at any other time the person considers appropriate; and
  - (b) by the Head of the Department or School concerned, on the written requisition of at least 3 or one-quarter, whichever is the greater, of the total of the full-time members of the teaching staff assigned to that Department or School addressed to that Head.
- (2B) A person shall convene a meeting of a Departmental or School Board pursuant to subsection (2A) (whether or not at the direction of the Vice-Chancellor or of the Head of the Department or School concerned), by arranging for written notice to be given to the members of the Board of the time and place fixed for the meeting, but no such meeting shall be convened for such time or place that a Fellow, by attending the meeting, would be prevented from attending any regular meeting of the Senate.
- (3) The Registrar shall give written notice of the time and place fixed for any meeting of the Academic Board, a Faculty or Board of Studies or a Committee but no such meeting shall be convened for such time or place that a Fellow, by attending such meeting, would be prevented from attending any regular meeting of the Senate.
- (4) Except where otherwise provided, at any meeting three members shall form a quorum.
- (5) In the absence of the Chairman from a meeting a member elected by the members present shall preside.
- (6) The person presiding at any meeting shall have a vote and in the case of an equality of votes a second or casting vote.

#### **RESOLUTIONS OF THE SENATE ELECTION OF NON-PROFESSORIAL MEMBERS OF THE ACADEMIC STAFF TO MEMBERSHIP OF THE ACADEMIC BOARD**

A.  
Pursuant to section 2 (2) (f) of Chapter VIII of the By-laws the Senate makes the following resolutions for the election of non-professorial full-time permanent members of the academic staff to membership of the Academic Board:

1. (1) An election for the purpose of section 2 (2) (f) of Chapter VIII of the By-laws shall be held on such day or days in 1975 and on such day or days in 1977 and every second year thereafter as the Senate shall appoint.
- (2) Subject to subsection (3) a member shall hold office for the term of two years from 1st January following the member's election.
- (3) A member declared elected after 1st January in the first year of the term in respect of which the member is elected shall hold office from the day upon which the member is declared elected until 31st December in the second year of that term.
- (4) An elected member shall be eligible for re-election.
2. (1) There shall be elected to membership of the Academic Board non-professorial full-time permanent members of the academic staff, being in number to the nearest whole number one-third the number of positions created by the Senate and to which a Professor may be appointed, at the time nominations close for the election.



- (2) (a) An election shall be held in each Faculty of the University.
  - (b) The members to be elected in each Faculty shall be the full-time permanent members of the academic staff who are Readers, Associate Professors, Directors, Senior Lecturers, Lecturers or Senior Tutors appointed or assigned to the Departments or Schools placed under the supervision of that Faculty and who are not otherwise eligible for membership of the Academic Board.
  - (c) The electorate in each Faculty shall be the full-time permanent and full-time temporary members of the academic staff who are Readers, Associate Professors, Directors, Senior Lecturers, Lecturers or Senior Tutors and the full-time members of the Research Staff, appointed or assigned to the Departments or Schools placed under the supervision of that Faculty.
  - (3) The distribution of non-professorial staff members of the Board among the Faculties shall be made by the Vice-Chancellor so that there shall be an election of two non-professorial staff members of the Board in each Faculty and in addition an election of other non-professorial staff members in the proportion that the number of non-professorial full-time permanent positions to which a Reader, Associate Professor, Director, Senior Lecturer, Lecturer or Senior Tutor may be appointed on the establishment of the Departments or Schools placed under the supervision of each Faculty bears to the total number of all such non-professorial full-time permanent positions in all Faculties, such distribution to be calculated as at 30th April next preceding the election.
  - (4) For the purposes of the election, including the distribution referred to in subsection (3), the Senate may allocate to a Faculty any non-professorial full-time permanent member of the academic staff, not being a member of a Department or School placed under the supervision of a Faculty, provided that no person shall be eligible to vote in more than one Faculty.
3. (1) An election for the purposes of section 2(2)(f) of Chapter VIII of the By-laws shall take place in each Faculty as hereinafter provided.
- (2) At least forty-nine days' notice of the day upon which a ballot in connection with an election may be held shall be given by the Registrar by notice displayed at the University.
  - (3) No person shall be eligible for election unless the person's nomination has been received by the Registrar not later than 5.00 p.m. on the twenty-ninth day prior to the day fixed for the election.
  - (4) The nomination paper shall be signed by at least two qualified voters from the Faculty and shall be accompanied by a written statement signed by the nominee consenting to the nomination.
  - (5) There shall be a separate nomination paper for each candidate and no qualified voter shall be eligible to sign more nomination papers than the number of candidates to be elected in the Faculty; if a qualified voter signs a greater number of nomination papers than the number of candidates to be elected in the Faculty, the voter's signature shall be counted on the first nomination papers received by the Registrar equal to the number of candidates to be elected in the Faculty and shall not be counted upon any other nomination paper.
  - (6) The Registrar shall, on each of the five working days prior to the day on which nominations close, post on a University noticeboard the valid nominations, if any, received.
  - (7) On the expiration of the time for receiving nominations—
    - (a) should the number of nominations in any Faculty not exceed the number of vacancies, the Registrar shall report the fact to the Vice-Chancellor, who shall then declare the candidate or candidates, if any, duly elected in respect of that Faculty;
    - (b) should the number of nominations in any Faculty exceed the number of vacancies—
      - (i) the Registrar shall cause the names of the persons so nominated and the fact of their candidature to be displayed at the University; and
      - (ii) ballots shall be conducted as hereinafter provided.
  - (8) The ballots shall be conducted in the following manner:
    - (a) the Registrar shall prepare for each Faculty in which a ballot is to be held a list of all persons entitled to vote, completed to the last day for receiving nominations for the election, and a copy of that list shall be available for inspection in the Registrar's office at the University during usual working hours for a period of at least fourteen days prior to the day of the ballots;
    - (b) not later than the third day before the day of the ballots the Registrar shall forward to each voter at the voter's address within the University—
      - (i) a voting paper for the voter's Faculty;
      - (ii) a form of declaration providing for the voter to state the voter's name and qualifications to vote;
      - and
      - (iii) two envelopes, one marked 'Voting Paper' and the other addressed to the Registrar.
    - (c) The voting paper shall contain the names of all duly nominated candidates in the Faculty arranged in alphabetical order together with the candidate's position and Department or School, a rectangle opposite and to the left of the name of each candidate and instructions as to the manner in which the voting paper shall be completed.
    - (d) Where there is one more candidate than the number of vacancies to be filled, a voter shall vote for all candidates.
    - (e) Where the total number of candidates is at least two greater than the number of vacancies to be filled, a voter shall vote for at least two more candidates than the number of vacancies to be filled.
    - (f) A voter shall vote by placing the figure '1' in the rectangle opposite and to the left of the name of the candidate for whom it is intended to vote as first preference and by placing the figure '2' in the rectangle opposite and to the left of the candidate for whom it is intended to vote as second preference and by placing the figures '3', '4', '5' etc. in the rectangles opposite and to the left of the name of each candidate for whom it is intended to vote as 3rd, 4th, 5th and so on preference respect-

ively and may, in addition, indicate the order of preference for as many more candidates as the voter pleases by placing in the rectangles respectively opposite and to the left of their names other figures next in numerical order after the figures already placed by the voter on the Voting Paper in accordance with sub-section (e).

- (g) (i) The voter having marked the Voting Paper as herein provided shall place the Voting Paper without any other matter in the envelope marked 'Voting Paper'.
  - (ii) The voter shall complete and sign the declaration and transmit to the Registrar in the second envelope the declaration and the sealed envelope marked 'Voting Paper'.
  - (h) All voting papers so transmitted and received by the Registrar not later than 10.00 am on the day of the ballot shall be counted in the ballot which shall be conducted by the Registrar with the assistance of such persons as he or she may require.
  - (i) Each candidate may appoint one scrutineer in respect of the ballot in which he or she is a candidate.
4. The Registrar shall reject any voting paper on which a voter has not voted for at least one more candidate, or as prescribed in Resolution 3(8)(e), at least two more candidates than the number of vacancies to be filled or which is otherwise invalid and in any case of doubt as to the validity of the Voting Paper the Registrar shall refer the matter to the Vice-Chancellor whose decision shall be final.
5. (1) Where there is only one vacancy to be filled the following procedure shall be followed:—
- (a) After any voting papers which are invalid have been rejected, the Registrar shall count the total number of first preference votes given for each candidate.
  - (b) The candidate who has received the fewest first preference votes shall be excluded and each voting paper counted to the excluded candidate shall be counted to the continuing candidate next in the order of the voter's preference.
  - (c) The procedure specified in subparagraph (b) shall be followed in respect of each subsequent count as if the reference in that subparagraph to the candidate who received the fewest number of first preference votes were a reference to the candidate to whom the fewest number of votes was allocated on the previous count, until one candidate has received more than half the valid votes cast.
  - (d) Where in the process of counting there is more than one candidate with the fewest votes the candidate to be excluded shall be determined by the Registrar by lot.
  - (e) In the process of counting, exhausted voting papers shall be set aside as finally dealt with and shall henceforth not be taken into account in ascertaining the result of the ballot.
- (2) The Registrar shall report the result of the ballot to the Vice-Chancellor who shall then declare duly elected the last remaining continuing candidate.
6. Where there is more than one vacancy to be filled the following procedure shall be followed:—
- (a) After any voting papers which are invalid have been rejected, the Registrar shall count

the total number of first preference votes given for each candidate.

- (b) The aggregate number of such first preference votes shall be divided by one more than the number of vacancies and the quotient, rounded to the second decimal place and increased by one, shall be the quota and except as provided in paragraph (h), no candidate shall be elected until that candidate obtains a number of votes equal to or greater than the quota.
- (c) If any candidate has, upon the first preferences being counted, a number of votes equal to the quota this shall be conveyed to the Vice-Chancellor who shall declare that candidate elected and the voting papers on which a first preference for that candidate is recorded shall be set aside as finally dealt with.
- (d) If any candidate has, upon the first preferences being counted, a number of votes in excess of the quota this shall be conveyed to the Vice-Chancellor who shall declare that candidate elected and the proportion of votes in excess of the quota shall be transferred to the other candidates not declared elected in order of the voter's respective preferences in the following manner:—
  - (i) all the voting papers on which a first preference is recorded for an elected candidate shall be re-examined and the number of second preferences or as provided in paragraph (k), third or next consecutive preferences recorded for each candidate not declared elected shall be counted;
  - (ii) the surplus of votes of the candidate whose papers are being re-examined shall be divided by the total number of votes obtained by that candidate on the counting of the first preferences and the resulting fraction shall be the transfer value;
  - (iii) the number of second or other preferences, as counted in subparagraph (i) above, for each candidate not declared elected shall be multiplied by the transfer value;
  - (iv) the resulting number, rounded to the second decimal place, shall be credited to each candidate not declared elected for whom a preference has been indicated and added to the number of votes obtained by that candidate on the counting of the first preferences.
- (e) (i) If after the counting of the first preferences more than one candidate has a surplus, the largest surplus shall be first dealt with; and then if there is still more than one candidate who has a surplus then the largest surplus shall be dealt with and so on; provided that if one candidate has obtained a surplus at a count or transfer previous to that at which another candidate obtains a surplus, the surplus of the former shall be first dealt with.
- (ii) Where two or more surpluses are equal, the surplus of the candidate who was the highest on the poll at the count or transfer at which they last had an unequal number of votes shall be first dealt with,

- and, if they have had an equal number of votes at all preceding counts or transfers, the Registrar shall decide by lot which candidate's surplus shall be first dealt with.
- (f) (i) Where the number of votes obtained by a candidate is raised up to or above the quota by a transfer of votes this shall be conveyed to the Vice-Chancellor who shall declare the candidate elected; and notwithstanding that the candidate may have reached the quota, the transfer shall be completed, and all the votes to which the candidate is entitled therefrom shall be transferred to the candidate, but no votes of any other candidate shall be so transferred.
- (ii) Where the number of votes obtained by a candidate is raised up to, but not above, the quota by a transfer as above, the whole of the voting papers on which such votes are recorded shall be set aside as finally dealt with.
- (iii) Where the number of votes obtained by a candidate is raised above the quota by a transfer as above, the candidate's surplus of votes shall be transferred to the candidates next in the order of the voter's respective preferences, in like manner as prescribed in paragraph (d) above.
- (g) (i) Where, after the first preferences have been counted and all surpluses, if any, have been transferred, no candidate, or candidates less than the number of candidates required to be elected, has or have obtained the quota, the candidate who is lowest on the poll shall be excluded, and all the votes obtained by that candidate shall be transferred to the candidates next in the order of the voter's respective preferences, in the same manner as is directed in paragraph (d).
- (ii) The votes obtained by such excluded candidate as first preferences shall first be transferred, the transfer value of each vote in this case being 1.
- (iii) The other votes of such excluded candidate shall then be dealt with in the order of the transfers in which, and at the transfer value at which, the candidate obtained them.
- (iv) Each of the transfers which takes place under subparagraphs (ii) and (iii) shall be deemed for all purposes to be a separate transfer.
- (h) (i) Where the number of votes obtained by a candidate is raised up to or above the quota by any such transfer as above this shall be conveyed to the Vice-Chancellor who shall declare that candidate elected and such transfer shall then be completed, all the votes to which the candidate is entitled therefrom shall be transferred, but no other votes shall be transferred.
- (ii) Where the number of votes obtained by a candidate is raised up to, but not above, the quota, by any such transfer, the whole of the voting papers on which such votes are recorded shall be set aside as finally dealt with.
- (iii) Where the number of votes obtained by a candidate is raised above the quota by any such transfer, the surplus shall be transferred to the candidates next in the order of the voter's respective preferences in the same manner as is directed in paragraph (f); provided that such surplus shall not be dealt with until all the votes of the excluded candidate have been transferred.
- (iv) Where any surplus exists it shall be dealt with before any other candidate is excluded.
- (i) The same process of excluding the candidate lowest on the poll and transferring to other candidates those votes shall be repeated until the candidates, except the number required to be elected, have been excluded, and the names of the unexcluded candidates who have not already been so declared, shall then be conveyed to the Vice-Chancellor who shall declare that candidate or those candidates elected.
- (j) Where at any time it becomes necessary to exclude a candidate, and two or more candidates have the same number of votes and are lowest on the poll, then whichever of such candidates was lowest on the poll at the last count or transfer at which they had an equal number of votes shall be first excluded and if such candidates have had an equal number of votes at all preceding counts or transfers the Registrar shall decide by lot which candidate shall be first excluded.
- (k) In determining what candidate is next in the order of the voter's preference, any candidates who have been declared elected or who have been excluded shall not be considered, and the order of the voter's preference shall be determined as if the names of such candidates had not been on the voting paper.
- (l) Where on any transfer it is found that on any voting paper there is no candidate opposite whose name a number is placed, other than those who have been already elected or excluded, such voting paper shall be set aside as exhausted.
7. (1) Subject to sub-section (2) where a vacancy occurs in non-professorial membership of the Academic Board elected in accordance with these Resolutions of Senate, the vacancy shall be filled by the candidate, if any, who in the election in October or November of the odd numbered years in accordance with these Resolutions of Senate was the last candidate to be excluded of the candidates who have not become members of the Academic Board from the Faculty concerned.
- (2) The procedure specified in sub-section (1) for filling that vacancy shall not be used to fill more than two vacancies from each Faculty during the term of two years of membership of the Academic Board for which these elections were held.
- (3) Where a casual vacancy occurs to which this section does not apply an election shall be held to fill the vacancy in accordance with these resolutions.
8. (1) A person shall cease to hold office if—
- (a) he or she ceases to hold the qualification in respect of which he or she is eligible for membership of the Board, or
- (b) he or she otherwise becomes a member of the Board.

(2) For the purpose of these resolutions, a casual vacancy includes a vacancy arising out of an insufficient number of nominations but where such a casual vacancy occurs, the Chairman of the Academic Board may direct that an election be held to fill the vacancy in accordance with these resolutions.

(3) If the Chairman does not so direct, the Academic Board may direct that an election be held to fill the vacancy in accordance with these resolutions.

9. In Resolutions 5 and 6—

‘continuing candidate’ means a candidate not already excluded from the count;

‘determine by lot’ means determine in accordance with the following directions: The names of candidates concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed, the candidate whose name is drawn first shall be excluded or not first dealt with;

‘exhausted voting paper’ means a valid voting paper upon which there is not indicated a next preference for a continuing candidate;

‘next preference’ means the first of the subsequent preferences marked on the voting paper which is not given to an excluded candidate, provided that where there is a break in the consecutive numbering of candidates marked on a voting paper (other than a break rendering the voting paper invalid) only those preferences preceding the break shall be taken into account.

B.

Pursuant to section 2 (4) of the Resolutions of Senate governing the election of non-professorial members of the academic staff to membership of the Academic Board the Senate makes the following resolutions:

1 (1) that there be allocated to the Faculty of Agriculture the Director of Wheat Breeding, Plant Breeding Institute, Narrabri.

(2) that there be allocated to the Faculty of Architecture the Director of the Art Workshop.

(3) that there be allocated to the Faculty of Arts the following—

(a) the non-professorial full-time permanent members of the academic staff in the Department of Social Work;

(b) the Director of the Language Study Centre;

(c) the Curator of the Power Gallery of Contemporary Art;

(d) the Director, Senior Lecturers and Lecturers in the Centre for Teaching and Learning;

(e) three permanent full-time members of staff of the Centre for Continuing Education; and

(f) the lecturer in Museum Studies.

(4) that there be allocated to the Faculty of Science the Director of the Electron Microscope Unit, and the Electron Microscopists.

**ELECTION OF UNDERGRADUATE STUDENT MEMBERS OF EACH FACULTY AND BOARD OF STUDIES TO MEMBERSHIP OF THE ACADEMIC BOARD**

Pursuant to sections 2 (2) (g), (h) and (i) of Chapter VIII of the By-laws the Senate has prescribed the following Resolutions for the election of undergraduate student members of Faculties and Boards of Studies to membership of the Academic Board:

1. After the declaration of the results of the elections of student members of Faculties and Boards of Studies

and before the first regular meeting of the Academic Board in the following year —

(a) the undergraduate student members of each Faculty for that following year at meetings convened by the relevant Dean shall elect from amongst themselves, in the cases of each of the Faculties of Arts and Science three, and in each other case two, members of the Academic Board;

(b) the undergraduate student members of each of the Boards of Studies in Education and Social Work for that following year at a meeting convened by the relevant Chairman shall elect from amongst themselves one member of the Academic Board; and

(c) the student members of the Boards of Studies in Divinity and Music for that following year who are enrolled for the degree of Bachelor, at a meeting convened by the Chairman of the Board of Studies in Divinity, shall elect from amongst themselves one member of the Academic Board.

2. Notwithstanding Resolution 1, the undergraduate student members of any Faculty or Board of Studies or in the case of 1 (c) of the student members of the Boards of Studies in Divinity and Music who are enrolled for the degree of Bachelor at a meeting convened by the relevant Dean or Chairman may at any time elect from amongst themselves such student members of the Academic Board as may be required to fill any vacancy.

3. A student member shall hold office either —

(a) from 1 January to 31 December in the year following the election if the election to the Board is held between the date of declaration of the results of the elections of student members of Faculties and Boards of Studies and 31 December in any year; or

(b) from the date of the election until 31 December of that year if the election to the Board is held between 1 January and the third Monday in February.

4. A student member shall cease to hold office if —

(a) the student ceases to hold the qualification in respect of which he or she was eligible for election as a member of the Board; or

(b) the student otherwise becomes a member of the Board.

5. Notwithstanding anything else in these Resolutions, in the event of an election under Resolutions 1 or 2 above being inconclusive, the Faculty or Board of Studies shall determine the election.

**ELECTION OF POSTGRADUATE STUDENT MEMBERS OF FACULTIES AND BOARDS OF STUDIES TO MEMBERSHIP OF THE ACADEMIC BOARD**

Pursuant to section 2 (2) (j) of Chapter VIII of the By-laws the Senate makes the following resolutions for the election of postgraduate student members of Faculties and Boards of Studies to membership of the Academic Board:

1. There shall be not more than five student members of the Academic Board elected in the manner hereinafter described being student members of any Faculty or Board of Studies enrolled as candidates for a degree other than the degree of Bachelor or for a diploma of the University of Sydney.

2. The election shall be held after the declaration of the results of the elections of student members of Faculties and Boards of Studies referred to in Resolution

1, and before the first regular meeting of the Academic Board in the following year.

3. The student members of the Board thus elected shall hold office either—

- (a) from 1 January to 31 December in the year following the election if the election to the Board is held between the date of declaration of the results of the elections of student members of Faculties and Boards of Studies referred to in Resolution 1 and 31 December in any year; or
- (b) from the date of the election until 31 December of that year if the election to the Board is held between 1 January and the third Monday in February.

4. A student shall cease to hold office if—

- (a) he ceases to hold the qualification in respect of which he is eligible for election as a member of the Board; or
- (b) he otherwise becomes a member of the Board.

5. (1) Any vacancy occurring by the death, disqualification or resignation of a student member may be filled on the recommendation of the Chairman of the Academic Board to the Board in one of the following ways—

- (a) by appointment by the Board of the candidate, if any, who in the immediately preceding election in accordance with section 7 received the greatest number of votes of the candidates who have not become members of the Board; or
- (b) by the conduct of a by-election in accordance with the procedures for an election set out in section 7; or
- (c) by the appointment by the Chairman of the Academic Board of a duly qualified student on the recommendation of the remaining postgraduate student members of the Board.

(2) Any vacancy arising out of an insufficient number of nominations shall remain unfilled.

6. The electorate shall comprise all student members of any Faculty or Board of Studies enrolled as candidates for a degree other than the degree of Bachelor or for a diploma of the University of Sydney.

7. The election shall be conducted by the Registrar and the following procedures shall apply:

- (a) At least twenty-eight days' notice of the day of election shall be given by notice posted at the University and to each eligible voter at his address last recorded by the Registrar.
- (b) No person shall be eligible for election unless his nomination has been received by the Registrar no later than 5.00 p.m. on the fifteenth day prior to the day fixed for the election. The nomination paper shall be signed by at least one qualified voter and shall be accompanied by a written statement signed by the person nominated signifying his consent to the nomination.
- (c) On the expiration of the time for receiving nominations—
  - (i) should the number of nominations not exceed the number of vacancies, the Registrar shall report the fact to the Chairman of the Academic Board who shall then declare the candidate or candidates, if any, duly elected;
  - (ii) should the number of nominations exceed the number of vacancies, the election shall be by voting papers as herein-after provided.

(d) The election shall be conducted in the following manner:

- (i) The Registrar shall prepare a list of all persons entitled to vote, completed to the last day for receiving nominations for the election, and a copy of such list shall be available for inspection in the Registrar's Office at the University during normal working hours for the period from that date to the day of election.
- (ii) Not later than the third day before the day of election the Registrar shall forward to each voter at his address last recorded by the Registrar a voting paper containing the names of all duly nominated candidates arranged in alphabetical order together with the candidature for which the candidate is currently enrolled, a form of declaration wherein the voter shall state his name and qualification, an envelope marked 'Voting Paper' and a second envelope addressed to the Registrar.
- (iii) The voter shall mark his voting paper by making a cross opposite the name of the candidate or candidates for whom he votes but he shall not vote for more candidates than the number of vacancies to be filled. He shall place the voting paper without any other matter in the envelope marked 'Voting Paper' which he shall seal. He shall then complete and sign the declaration and transmit to the Registrar in the second envelope the declaration and the sealed envelope marked 'Voting Paper'.
- (iv) All voting papers so transmitted and received by the Registrar not later than 2.00 p.m. on the day of election shall be counted in the ballot, which shall be conducted by the Registrar.
- (v) Each candidate shall be entitled to appoint one scrutineer.
- (vi) At the expiration of the time allotted for the ballot, and after examination of the voting papers, the Registrar shall report the result to the Chairman of the Academic Board who shall then declare the five candidates who have received the greatest number of votes to be duly elected. The Registrar shall reject any informal voting paper; in the event of doubt, the matter shall be referred to the Chairman of the Board whose decision shall be final.
- (vii) Where an equality of votes prevents the making of the declaration under paragraph (vi) of this clause, the Registrar shall determine the result by lot as may be necessary to enable the declaration to be made.

VIII: BOARDS, FACULTIES  
AND COMMITTEES:  
SENATE RESOLUTIONS

#### **STUDENT MEMBERSHIP OF THE FACULTIES AND BOARDS OF STUDIES**

The Senate has resolved that, subject to the By-laws, the numbers of student members of the Faculties and Boards of Studies be as follows:

- (1) There shall be not more than eight student members of each of the Faculties of Arts and Science.

(2) There shall be not more than five student members of each of the Faculties of Agriculture, Architecture, Dentistry, Economics, Education, Engineering, Law, Medicine and Veterinary Science.

(3) There shall be not more than three student members of each of the Boards of Studies in Divinity, Music and Social Work.

Pursuant to section 1 of each of Chapters X, Xa, XI, XII, XIII, XIV, XV, XVI, XVII, XVIII and XIX of the By-laws and to section 2 of each of Chapters Xa, Xd and Xe of the By-laws, the Senate has resolved as follows for the election or appointment of students to membership of the Faculties and Boards of Studies:—

1. (1) There shall be eight student members of the Faculty of **Arts**, namely—
  - (a) six undergraduate students, provided they are enrolled as candidates for the degree of Bachelor of Arts; and
  - (b) two postgraduate students, provided they are enrolled as candidates for a postgraduate degree or for a diploma in the Faculty of Arts.
- (2) There shall be three student members of the Board of Studies in **Divinity**, namely—
  - (a) the President of the Sydney University Divinity Students' Association, provided he is a student enrolled for the degree of Bachelor of Divinity or Master of Theology;
  - (b) one student enrolled as a candidate for the degree of Bachelor of Divinity at the University of Sydney, not otherwise a member of the Board of Studies; and
  - (c) one student enrolled as a candidate for the degree of Master of Theology at the University of Sydney, not otherwise a member of the Board of Studies.
- (3) There shall be five student members of the Faculty of **Education**, namely—
  - (a) two students enrolled as candidates for the degree of Bachelor of Education provided that not more than one student shall be from any one strand, the strands being Early Childhood Education, Primary Education, Secondary Education and Human Movement Education;
  - (b) a student enrolled as a candidate for a postgraduate degree;
  - (c) a student enrolled as a candidate for the Diploma in Education; and
  - (d) a student enrolled as a candidate for the Diploma in the Teaching of English as a Foreign Language.
- (4) There shall be two student members of the Board of Studies in **Music**, namely—
  - (a) one student enrolled as a candidate for the degree of Bachelor of Music; and
  - (b) one student enrolled as a candidate for any degree supervised by the Board of Studies in Music.
- (5) There shall be three student members of the Board of Studies in **Social Work**, each student being enrolled as a candidate for any degree supervised by the Board of Studies in Social Work.
- (6) Except as provided in Resolution 1 (6) (b), there shall be five student members of the Faculty of **Law**, namely—
  - (a) a graduate in Law as prescribed in section 1 (a) (ix) of Chapter XI of the By-laws;
  - (b) the President, for the time being, of the Sydney University Law Society (so long as such Society is recognized by the University),

provided that he either is a graduate in Law or is a candidate for the degree of Bachelor of Laws;

- (c) two students as prescribed in section 1 (a) (xi) of Chapter XI of the By-laws; and
- (d) a student as prescribed in section 1 (a) (xii) of Chapter XI of the By-laws.
- (7) There shall be five student members of the Faculty of **Medicine**, namely—
  - (a) the Senior Undergraduate Vice-President of the Sydney University Medical Society, provided that he is enrolled as a candidate proceeding to a degree in the Faculty of Medicine; and
  - (b) four elected students, being—
    - (i) one undergraduate student who at the time of the election was enrolled as a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery in the First Year of that course;
    - (ii) one undergraduate student who at the time of the election was enrolled as a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery in the Second Year of that course or having already completed the second year of that course but not the third year, was enrolled as a candidate for the degree of Bachelor of Science (Medical);
    - (iii) one undergraduate student who at the time of the election was enrolled either as a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery in the Third Year of that course or having already completed the third year of that course, was enrolled as a candidate for the degree of Bachelor of Science (Medical); and
    - (iv) one undergraduate student who at the time of the election was enrolled as a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery in the Fourth Year of that course.
- (8) There shall be eight student members of the Faculty of **Science**, namely—
  - (a) one student nominated by the Council of the Sydney University Science Association, provided he is enrolled as a candidate for the degree of Bachelor of Science;
  - (b) one student nominated by the Executive of the Sydney University Pharmacy Association, provided he is enrolled as a candidate for the degree of Bachelor of Pharmacy;
  - (c) one student nominated by the Council of the Sydney University Postgraduate Representative Association, provided he is enrolled as a candidate for a postgraduate degree or for a diploma in the Faculty of Science; and
  - (d) five elected students, being—
    - (i) three undergraduate students, provided they are enrolled as candidates for the degree of Bachelor of Pharmacy or Bachelor of Science; and
    - (ii) two postgraduate students, provided they are enrolled as candidates for a postgraduate degree or for a diploma in the Faculty of Science and are not otherwise eligible for membership of the Faculty.
- (9) There shall be five student members of the Faculty of **Engineering**, namely—
  - (a) the President of the Sydney University En-

- gineering Undergraduates' Association unless, at its first meeting in each year, the Committee of the Association elects to membership of the Faculty a member of the Executive Committee of the Association other than the President, in which case the member so elected shall be a member of the Faculty instead of the President, provided that in either case he is enrolled as a candidate for the degree of Bachelor of Engineering; and
- (b) four elected students, being—
- (i) three undergraduate students enrolled as full-time candidates either for the degree of Bachelor of Engineering or for the degree of Bachelor of Science pursuant to section 20 of the Resolutions of the Senate relating to the degree of Bachelor of Science; and
  - (ii) one postgraduate student enrolled as a full-time candidate for a postgraduate degree or for a diploma in the Faculty of Engineering, not otherwise eligible for membership of the Faculty.
- (10) There shall be five student members of the Faculty of **Dentistry**, namely—
- (a) the President of the Sydney University Dental Undergraduates' Association, provided he is enrolled as a candidate for a degree or for a diploma in the Faculty of Dentistry; and
  - (b) four elected students, being—
    - (i) three undergraduate students enrolled as candidates for a degree in the Faculty of Dentistry; and
    - (ii) one postgraduate student enrolled as a candidate for a postgraduate degree or for a diploma in the Faculty of Dentistry.
- (11) There shall be three student members of the Faculty of **Veterinary Science**, namely—
- (a) two undergraduate students enrolled as candidates for the degree of Bachelor of Veterinary Science or Bachelor of Science (Veterinary); and
  - (b) one postgraduate student enrolled as a full-time or part-time candidate for a postgraduate degree or diploma in the Faculty of Veterinary Science, not otherwise eligible for membership of the Faculty.
- (12) There shall be four student members of the Faculty of **Agriculture**, namely—
- (a) two undergraduate students enrolled as candidates for the degree of Bachelor of Science in Agriculture or Bachelor of Agricultural Economics; and
  - (b) two postgraduate students enrolled as full-time candidates for a postgraduate degree or diploma in the Faculty of Agriculture, not otherwise eligible for membership of the Faculty.
- (13) There shall be five student members of the Faculty of **Economics**, namely—
- (a) the President of the Sydney University Economics Society or another office-bearer of the Society nominated by the President, being a person who is enrolled as a candidate for a degree in the Faculty;
  - (b) three elected undergraduate student members, being persons who are enrolled as candidates for an undergraduate degree in the Faculty; and
  - (c) one elected postgraduate student member,
- being a person who is enrolled as a candidate for a postgraduate degree in the Faculty.
- (14) There shall be five student members of the Faculty of **Architecture**, namely—
- (a) the President of the Sydney University Architecture Society, provided he is enrolled as a candidate for a degree in the Faculty;
  - (b) two students enrolled as candidates for the degree of Bachelor of Science (Architecture), Bachelor of Architecture or Bachelor of Landscape Studies; and
  - (c) two students enrolled for a postgraduate degree other than the degree of Bachelor of Architecture or Bachelor of Landscape Studies or for a diploma in the Faculty.
2. (1) Except as provided in Resolution 2 (2) or (3), the election of the elected student members of each Faculty and Board of Studies shall be held as early as practicable in Michaelmas Term of each year, provided that the first such election in accordance with these Resolutions shall be held in Michaelmas Term 1979.
- (2) The election of the student member of the Faculty of Education who is enrolled as a candidate for the Diploma in Education shall be held in Lent Term of each year, provided that the first such election in accordance with these Resolutions shall be held in Lent Term 1979.
- (3) The position of the third student member of the Board of Studies in Social Work may be first filled in 1980 by the Chairman of the Board of Studies, at his discretion, either
- (i) appointing a duly qualified student on the recommendation of the remaining student members and the executive of the Social Work Students' Association or
  - (ii) directing that a by-election be held in accordance with the procedures for an election set out in Resolution 10.
3. (1) Except as provided in Resolutions 3 (4), (5) and 4 (1), the term of office of a student elected to membership of a Faculty or Board of Studies shall be for a period of one year from 1 January in the year following the election, provided that the term of office of the student member of the Faculty of Education referred to in Resolution 2 (2) shall be for the period from the date of his election until the next annual election.
- (2) The names of the student members of the Faculty of Science referred to in Resolutions 1 (8) (a), (b) and (c) shall be notified in writing to the Dean of the Faculty by the Council or Executive, as the case may be, of the respective Association not later than the first week of Michaelmas Term in each year and, except as provided in Resolutions 3 (4) and 4 (1), the term of office of those student members shall be for a period of one year from 1 January in the year following the nomination by the Council or Executive.
- (3) Except as provided in Resolution 4 (1), the term of office of the student member of the Faculty of Engineering referred to in Resolution 1 (9) (a) shall be for the period from the date of the first meeting of the Committee of the Association in each year to the date of the first meeting of the Committee in the following year.
- (4) The term of office of the first student members of the Faculty of Science referred to in Resolutions 1 (8) (b) and (c) shall be from the date of their nomination until 31 December 1979.
- (5) The term of office of the student member of the Board of Studies in Social Work referred to in

- Resolution 2 (3) shall be from the date of appointment or election until 31 December 1980.
4. A student member of a Faculty or Board of Studies shall cease to hold office if he ceases to hold the qualification in respect of which he is eligible for membership of that Faculty or Board of Studies or if he otherwise becomes a member or becomes eligible for membership of that Faculty or Board of Studies.
  5. (1) Except as provided in Resolution 5 (2), any vacancy occurring by the death, disqualification or resignation of an elected student member shall be filled by the candidate, if any, who in the immediately preceding election polled the next highest number of votes to the member to be replaced or, if there is no such candidate, by the Dean of the Faculty or the Chairman of the Board of Studies concerned, at his discretion, either (i) appointing a duly qualified student on the recommendation of the remaining student members and, where such exists, the Council, Committee or Executive of the Society or Association representative of the students enrolled in that Faculty or under that Board of Studies or (ii) directing that a by-election be held in accordance with the procedures for an election set out in Resolution 10.  
(2) Any vacancy occurring by the death, disqualification or resignation of an elected student member subsequent to the commencement of Trinity Term may be filled by appointment by the Dean of the Faculty or the Chairman of the Board of Studies concerned of a duly qualified student on the recommendation of the remaining student members and, where such exists, the Council, Committee or Executive of the Society or Association representative of the students enrolled in that Faculty or under that Board of Studies.  
(3) Any vacancy occurring by the death, disqualification or resignation of a student member of a Faculty or Board of Studies appointed in accordance with the By-laws or Resolutions of the Senate for that Faculty or Board of Studies by virtue of his holding office in, or having been duly nominated by, the Society or Association representative of the students enrolled in that Faculty or under that Board of Studies may be filled by nomination by the Council, Committee or Executive of that Society or Association within a period of 28 days of the vacancy occurring and the student so nominated shall hold office for the balance of the term of the student he replaces.  
(4) Any vacancy occurring by death, disqualification or resignation of a student member appointed in accordance with Resolution 1 (8) (c) may be filled by nomination by the Council of the Sydney University Postgraduate Representative Association within a period of 28 days of the vacancy occurring and the student so nominated shall hold office for the balance of the term of the student he replaces.
  6. *[Repealed]*
  7. (1) Where an insufficient number of nominations has been received for a position of student member of a Faculty or a Board of Studies that position may be filled by appointment by the Dean of the Faculty or the Chairman of the Board of Studies concerned of a duly qualified student after consultation with any other students who have been elected or appointed to that Faculty or Board of Studies for the term of office in question and, where such exists, the Council, committee or

Executive of the Society or Association representative of the students enrolled in that Faculty or under that Board of Studies.

- (2) Where the appointment of a student member of a Faculty or Board of Studies following the provisions for consultation prescribed in Resolution 7(1) has not been made before 31 March the Dean or Chairman at his or her discretion may appoint a duly qualified student or direct that the position remain vacant.
8. Except as provided in Resolution 9—
  - (a) the electorate for the election of the undergraduate student member or members of a Faculty or Board of Studies shall comprise all students enrolled as candidates for a degree of Bachelor in that Faculty or under that Board of Studies; and
  - (b) the electorate for the election of the postgraduate student member or members of a Faculty or Board of Studies shall comprise all full-time and part-time students enrolled as candidates for a postgraduate degree or for a diploma in that Faculty or under that Board of Studies.
9. (1) (a) The electorate for the election of the student member of the Board of Studies in Divinity referred to in Resolution 1 (2) (b) shall comprise all students enrolled as candidates for the degree of Bachelor of Divinity.  
(b) The electorate for the election of the student member of the Board of Studies in Divinity referred to in Resolution 1 (2) (c) shall comprise all students enrolled as candidates for the degree of Master of Theology.  
(2) (a) The electorate for the election of the student member of the Faculty of Education referred to in Resolution 1 (3) (b) shall comprise all students enrolled as candidates for the degree of Master of Education (Pass) or Master of Education (Honours) and for the degree of Doctor of Philosophy.  
(b) The electorate for the election of the student member of the Faculty of Education referred to in Resolution 1 (3) (c) shall comprise all students enrolled as candidates for the Diploma in Education.  
(c) The electorate for the election of the student member of the Faculty of Education referred to in Resolution 1(3)(d) shall comprise all students enrolled as candidates for the Diploma in the Teaching of English as a Foreign Language.  
(3) The electorate for the election of the student members of the Boards of Studies in Music and in Social Work referred to in Resolutions 1 (4) and 1 (5) respectively shall comprise all students enrolled as candidates for a degree supervised by the Boards of Studies in Music and in Social Work respectively.  
(4) (a) The electorate for the election of the student member of the Faculty of Law referred to in section 1 (a) (ix) of Chapter XI of the By-laws shall comprise all candidates enrolled for a postgraduate degree or diploma in the Faculty of Law who are graduates in Law.  
(b) The electorate for the election of the student members of the Faculty of Law referred to in section 1 (a) (xi) of Chapter XI of the By-laws shall comprise all students enrolled as candidates for the degree of Bachelor of Laws, but not including candidates



referred to in section 1 (a) (xii) of that Chapter.

(c) The electorate for the election of the student member of the Faculty of Law referred to in section 1 (a) (xii) of Chapter XI of the By-laws shall comprise all students enrolled as candidates for the degree of Bachelor of Arts, Bachelor of Economics or Bachelor of Science, enrolled in the course Legal Institutions or the course Public Law.

(5) The electorate for the election of the student member of the Faculty of Medicine referred to in Resolution 1 (7) (b) (i) shall comprise all students enrolled as candidates for the degrees of Bachelor of Medicine and Bachelor of Surgery in the First Year of that course;

(b) the electorate for the election of the student member of the Faculty of Medicine referred to in Resolution 1 (7) (b) (ii) shall comprise all students enrolled as candidates for the degrees of Bachelor of Medicine and Bachelor of Surgery in the Second Year of that course;

(c) the electorate for the election of the student member of the Faculty of Medicine referred to in Resolution 1 (7) (b) (iii) shall comprise all students enrolled either as candidates for the degrees of Bachelor of Medicine and Bachelor of Surgery in the Third Year of that course or as candidates for the degree of Bachelor of Science (Medical); and

(d) the electorate for the election of the student member of the Faculty of Medicine referred to in Resolution 1 (7) (b) (iv) shall comprise all students enrolled as candidates for the degrees of Bachelor of Medicine and Bachelor of Surgery in the Fourth Year of that course.

(6) The electorate for the election of the student members of the Faculty of Engineering referred to in Resolution 1 (9) (b) (i) shall comprise all undergraduate students enrolled as candidates either for the degree of Bachelor of Engineering or for the degree of Bachelor of Science pursuant to section 20 of the Resolutions of the Senate for the degree of Bachelor of Science.

(7) The electorate for the election of the student members of the Faculty of Agriculture referred to in Resolution 1 (12) (b) shall comprise all full-time postgraduate students enrolled as candidates for a postgraduate degree or for a diploma in that Faculty.

(8) The electorate for the election of the student members of the Faculty of Architecture referred to in Resolution 1 (14) (c) shall comprise all students enrolled as candidates for a postgraduate degree other than the degree of Bachelor of Architecture or Bachelor of Landscape Studies or for a diploma in that Faculty.

10. Each election shall be conducted by the Registrar and the following procedures shall apply:

(a) At least 56 days' notice of the day of election shall be given by notice displayed at the University.

(b) No person shall be eligible for election unless his name shall have been communicated to the Registrar not later than 5.00 p.m. on the 29th day before the date fixed for the election.

(c) The nomination paper shall be signed by at least two qualified voters and shall be signed

by the person nominated and signifying his consent to the nomination.

(d) Each duly nominated candidate may provide at the time of his nomination a statement of not more than 100 words containing the following information:—

(i) full name;

(ii) academic year;

(iii) degree(s) and / or diploma(s) (if any);

(iv) age;

(v) positions or offices (if any) held in public bodies, clubs, and institutions (including University clubs and societies), together with date(s) of tenure.

This information shall be edited by the Registrar and printed as a summary of information about each candidate for distribution with the voting paper.

(e) On each of the five working days prior to the day on which nominations close, the Registrar shall post on a University noticeboard the valid nominations, if any, received.

(f) On the expiration of the time for receiving nominations—

(i) should the number of nominations not exceed the number of vacancies in any category or categories, the Registrar shall declare that candidate or those candidates duly elected;

(ii) should the number of nominations exceed the number of vacancies in any category or categories, the election for that category or those categories shall be by voting papers as hereinafter provided.

(g) The election shall be conducted in the following manner:

(i) The Registrar shall prepare a list of all persons entitled to vote in each category, completed to the last day for receiving nominations for the election and a copy of that list shall be available for inspection in the Registrar's Office at the University during normal working hours for a period of at least 21 days prior to the day of the election.

(ii) Not later than the seventh day before the day of election the Registrar shall forward to each voter at his address last recorded by the Registrar—

(a) a voting paper;

(b) a summary of information in respect of each candidate who has provided information in accordance with Resolution 10 (d);

(c) a form of declaration providing for the voter to state his name and qualification; and

(d) two envelopes, one marked 'Voting Paper' and the other addressed to the Registrar.

(iii) The voting paper shall contain the names of all duly nominated candidates arranged in alphabetical order, a rectangle opposite and to the left of the name of each candidate and instructions as to the manner in which the voting paper shall be completed.

(iv) the voter shall mark his voting paper by making a cross in the rectangle opposite the name of each candidate for whom he votes but he shall not vote for more can-

didates than the number of vacancies to be filled.

- (v) The voter, having marked his voting paper as herein provided, shall place the voting paper without any other matter in the envelope marked 'Voting Paper' which he shall seal.
- (vi) He shall complete and sign the declaration and transmit to the Registrar in the second envelope the declaration and the sealed envelope marked 'Voting Paper'.
- (vii) All voting papers so transmitted and received by the Registrar not later than 2.00 p.m. on the day of the election shall be counted in the ballot, which shall be conducted by the Registrar assisted by such persons as he may require.
- (viii) Each candidate may appoint one scrutineer.
- (ix) The Registrar shall reject any voting paper in which a voter has voted for more candidates than the number of vacancies to be filled or which is otherwise invalid, and in any case of doubt as to the validity of a voting paper he shall refer the matter to the Dean of the Faculty or Chairman of the Board of Studies concerned, whose decision shall be final.
- (x) Where at the close of counting two or more candidates have received an equal number of votes, the Registrar shall—
  - (i) write the name of each candidate concerned on separate and similar slips of paper;
  - (ii) fold the slips so as to prevent identification; and
  - (iii) mix the slips and draw the slips at random, and for the purposes only of ranking among those candidates, a candidate whose name is drawn before another candidate shall be deemed to have received one less vote than the candidate whose name is drawn next.
- (xi) The Registrar shall declare duly elected the candidate or candidates equal to the number of vacancies to be filled who have received the greatest number of votes.

#### **APPOINTMENT OF OTHER PROFESSORS TO MEMBERSHIP OF THE ACADEMIC BOARD**

Pursuant to section 2 (2) (b) of Chapter VIII of the By-laws the Senate has appointed as members of the Academic Board: those members of the staff of the Australian Department of Health, the N.S.W. Department of Health, the Ludwig Institute for Cancer Research and the Menzies School of Health Research, Darwin, upon whom the Senate has conferred the title of Professor; Professor C. G. Harper, Professor A. B. P. Ng.

#### **FACULTY STANDING COMMITTEES ON COURSES OF STUDY**

Pursuant to section 15 (2) of Chapter VIII of the By-laws the Senate has resolved as follows:—

1. (a) A Faculty with more than one hundred members as at 1st January, 1975 shall appoint a Standing Committee on Courses of Study at the first meeting of the Faculty held after section 15 of Chapter VIII of the By-laws takes effect, provided that if the notice referred to

in section 2 of these Resolutions cannot be given in time for the first meeting the Standing Committee shall be appointed at the next succeeding meeting of the Faculty.

- (b) A Faculty with more than one hundred members as at 1st January in 1976 and in subsequent years shall appoint a Standing Committee on Courses of Study in Michaelmas Term of each year.
- (c) Subject to section 2 other Faculties which have resolved to appoint a Standing Committee on Courses of Study may appoint such a Committee at any time.

2. Prior notice of the appointment of a Standing Committee on Courses of Study shall be given on the notice paper of the meeting at which the appointment is to be made.

3. A person appointed to a Standing Committee on Courses of Study shall hold office from the date of appointment until the next annual appointment of the Committee by the Faculty.

#### **RESEARCH STAFF**

For the purposes of membership of the Academic Board, the Faculties, and Departmental Boards, the Senate defines 'research staff' as those staff who hold the title of Research Fellow, Senior Research Officer, Senior Research Fellow, Research Scientist, Principal Research Fellow or Senior Principal Research Fellow.

#### **DEPARTMENTAL AND SCHOOL BOARDS**

Pursuant to section 26 of Chapter VIII of the By-laws the following resolutions<sup>1</sup> concerning departmental and school boards have been prescribed by the Senate:

1. The full-time teaching staff of a department or school, acting through the Head of the Department or School shall report biennially to the Faculty or Board of Studies concerned the procedures the department or school has adopted for the selection of at least one student to be a member of the departmental or school board.

2. The full-time teaching staff of a department or school, acting through the Head of the Department or School may recommend to the Faculty or Board of Studies concerned for its approval the provision for additional members of a departmental or school board from the following categories of staff, and students taking courses within or supervised by, the department or school, to hold office for a specified period of time not exceeding two years:—

- (a) part-time teaching staff;
  - (b) non-academic staff;
  - (c) undergraduate and postgraduate students; and
  - (d) honorary staff.
3. (a) Subject to (b) and (c) below the total number of additional members recommended under Resolution 2 shall not exceed one quarter of the total number of full-time teaching staff of the department or school at the time the recommendation is made.
  - (b) A department or school with between 1 and 5 members inclusive, comprising the full-time teaching staff may provide for one additional member of the departmental or school board.
  - (c) A department with between 6 and 9 members inclusive, comprising the full-time teaching

<sup>1</sup> The Senate has approved an amendment to these resolutions to include research staff. The amendment will not have effect until section 26 itself is amended.

staff may provide for up to two additional members of the departmental or school board.

4. If the Faculty or Board of Studies concerned does not approve any recommendations for the provision of additional members of a departmental or school board, the Faculty or Board of Studies shall forward the recommendation to the Academic Board for its determination.

5. (1) The Head of a Department or School may preside at meetings of the departmental or school board.

(2) If the Head of a Department or School does not wish to preside at meetings of the departmental or school board the members of the board may elect one of their number to preside at meetings as chairman, such election to be for a specified period within the term of office of the appointed Head of the Department or School at the time of the election.

(3) For purposes of this Resolution, the term of office of an appointed Head of a Department or School shall be deemed to be the period ending at—

(a) the date up to which the Head at the time of the election has, in writing from the Registrar, been appointed; or

(b) any earlier date at which the Head at the time of the election ceases, by death, disqualification or resignation, to be the appointed Head of the Department or School concerned.

6. All questions which come before a departmental or school board shall be decided at any meeting duly convened, at which a quorum is present, by a majority of the votes of the members of the board present and voting.

7. Subject to section 27(4) of Chapter VIII of the By-laws, a departmental or school board may determine the number of members of the board who shall form a quorum, provided that the number shall not exceed one half of the total number of members of the board.

## Deans of faculties

VIII: BOARDS, FACULTIES  
AND COMMITTEES:  
SENATE RESOLUTIONS  
BOARD RESOLUTIONS  
IX: DEANS OF FACULTIES

### BY-LAWS CHAPTER IX

1. A Dean of a Faculty shall be Chairman and executive officer of the Faculty and shall have such other duties and powers as may from time to time be assigned to him by the Senate.

2. (1) Except as provided in section 6—

(a) each Faculty shall elect, in the period between the third Monday in September and the third Monday in October of every alternate year commencing in 1975, from the full-time permanent members of the academic staff who are members of the Faculty a person who shall be Dean;

(b) a Dean shall hold office for the term of two years from the first day of January in the year following the election; and

(c) where the office of a Dean becomes vacant by death, resignation or otherwise before the expiration of the term for which the Dean was elected, a successor shall be elected by the Faculty as soon as conveniently may be and that successor shall hold office as Dean for the remainder of that term.

(2) Except as provided in subsection (3) a person holding office as Dean prior to these By-laws taking effect shall hold office in accordance with this Chapter until 31st December, 1975.

(3) Where in accordance with section 6 the Senate appoints a Dean of a Faculty in which there is an elected Dean, the term of office of the elected Dean shall terminate on the day immediately preceding the day on which the appointed Dean takes office.

3. Except in the case of a Faculty with a Dean appointed in accordance with section 6—

(a) the Dean may nominate from the full-time permanent members of the academic staff who are members of the Faculty, and the Faculty may appoint the person so nominated, a Pro-Dean to hold office for such period within the term of office of the Dean as the Faculty may determine; and

(b) subject to section 1 the Pro-Dean shall have such duties and powers as may from time to time be assigned to him by the Dean.

4. (1) A Faculty may elect from the full-time permanent members of the academic staff who are members of the Faculty one or more persons who shall

- be Sub-Dean or Sub-Deans to assist the Dean in the exercise of his duties and powers.
- (2) The Sub-Dean or Sub-Deans shall hold office for such period or periods within the term of office of the Dean as the Faculty may determine.
- (3) A Sub-Dean shall have such duties and powers as may from time to time be assigned to him by the Dean.
5. Where an elected Dean is from time to time absent from that office through illness or any other cause the Faculty may elect an Acting Dean from the full-time permanent members of the academic staff who are members of the Faculty to hold office during that absence and the Acting Dean shall be deemed to be, and shall have the duties and powers of, the Dean.
6. (1) Where a Faculty so recommends, the Senate may appoint a person as a full-time Dean<sup>1</sup> of that Faculty and that person shall hold office for such period as the Senate may determine.
- (2) On the termination of office of an appointed Dean a further recommendation of the Faculty referred to in subsection (1) shall be made before any other person is appointed to be Dean of that Faculty.
- (3) Where an appointed Dean is from time to time absent from that office through illness or any other cause the Vice-Chancellor may appoint an Acting Dean from the full-time permanent members of the academic staff who are members of the Faculty to hold office during that absence and the Acting Dean shall be deemed to be, and shall have the duties and powers of, the Dean.
7. The Dean of a Faculty who is not a Fellow of the Senate may be present at any meeting of the Senate and be heard at any meeting of the Senate during the discussion of business relating to that Faculty.

## RESOLUTIONS OF THE SENATE

### RÔLES OF DEANS

1. A Dean of a Faculty shall be *ex officio* a member and, if he wishes, chairman of every committee of the Faculty.
2. He shall consult with, and be available to be consulted by, Heads of Departments, other staff and students.
3. In accordance with the general policy laid down by the Faculty on the advice of Heads of Departments, he shall make appropriate arrangements for changes in course content and timetabling.
4. After appropriate consultation with the Faculty or with members of the Faculty the Dean shall make recommendations to the Vice-Chancellor on such matters as staffing increases, submissions to the Australian Universities Commission, the construction of new buildings and alterations to existing buildings within the University.

### METHOD OF ELECTION OF DEAN

1. The election of Dean will be held at a meeting of Faculty in the period between the third Monday in September and the third Monday in October of every odd numbered year, the Dean to hold office for a period of two years from the first day of January in the year following the election.
2. The Electoral Officer shall be the Registrar or his or her representative.
3. (a) Nominations shall be in the hands of the Registrar no later than 5.00 pm on the tenth

day prior to the meeting at which the election is to take place.

- (b) Such nominations shall be in writing, shall declare that the nominee has consented to stand for the election and shall be signed by two nominators being members of the Faculty and by the nominee.
4. Notice shall be given of the nomination or nominations received by the Registrar at least seven days prior to the meeting.
  5. Should only one nomination be received, the Registrar shall declare that person elected.
  6. If no nomination is received by the due time, a motion for the election may be moved at the meeting without previous notice. Should only one nomination be received, the Electoral Officer shall declare that person elected.
  7. Should there be more than one nomination either at the closing date for nominations or at the meeting, as provided for in paragraph 6, a ballot shall be conducted at the meeting in the following manner:
    - (a) The Electoral Officer shall prepare a ballot paper which shall contain the names of all duly nominated candidates arranged in alphabetical order, a rectangle opposite and to the left of the name of each candidate and instructions as to the manner in which the voting paper shall be completed.
    - (b) A voter shall vote for all candidates.
    - (c) The Electoral Officer shall cause a ballot paper to be made available to each member of the Faculty present at the meeting on the date at which the ballot is to take place, and shall record the name of each member to whom a ballot paper is given.
    - (d) A voter shall vote by placing the figure '1' in the rectangle opposite and to the left of the name of the candidate for whom he or she votes as first preference and by placing the figure '2' in the rectangle opposite and to the left of the name of the candidate for whom he or she votes as second preference and shall in addition indicate the order of preference for each of the other candidates by placing in the rectangle respectively opposite and to the left of their names figures next in numerical order after the figures already placed on the voting paper.
    - (e) The voter, having marked the ballot paper as herein provided, shall place the ballot paper in the ballot box provided at the meeting.
    - (f) All ballot papers received in the ballot box by thirty minutes after the commencement of the Faculty meeting shall be counted in the ballot which shall be conducted by the Electoral Officer assisted by such persons as he or she may require.
    - (g) The Electoral Officer shall reject any voting paper in which a voter has not voted for all the candidates or which is otherwise invalid, and in any case of doubt as to the validity of a voting paper the Registrar's decision shall be final.
    - (h) After any voting papers which are invalid have been rejected, the Electoral Officer shall count the total number of first preference votes given for each candidate.
    - (i) The candidate who has received the largest number of first preference votes shall, if that number constitutes an absolute majority of votes, be declared elected.
    - (j) If no candidate has received an absolute

<sup>1</sup> The Senate has approved a position of full-time appointed Dean in the case of the Faculty of Medicine.

# Faculty of Arts

majority of first preference votes on the first count, the candidate who has received the fewest first preference votes shall be excluded and each voting paper counted to the excluded candidate shall be counted to the continuing candidate next in the order of the voter's preference.

- (k) If a candidate then has an absolute majority of votes, she or he shall be declared elected, but if no candidate then has an absolute majority of votes, the process of excluding the candidate who has the fewest votes and counting each of his voting papers to the continuing candidates next in the order of the voter's preference shall be repeated by the Electoral Officer until one candidate has received an absolute majority of votes.

The candidate who has received an absolute majority of votes shall be declared elected.

- (l) Where in the process of counting there is more than one candidate with the fewest votes the candidate to be excluded shall be determined by the Electoral Officer by lot.

- (m) The Electoral Officer shall then declare duly elected the candidate who has received the greatest number of votes, and shall disclose the voting details.

- (n) In these resolutions:

"continuing candidate" means a candidate not already excluded from the count;

"determine by lot" means determine in accordance with the following directions: the names of the candidates concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed, the candidate whose name is drawn first shall be excluded;

"next preference" means the first of the subsequent preferences marked on the voting paper which is not given to an excluded candidate;

"an absolute majority of votes" means a greater number than one half of the whole number of voting papers other than invalid and excluded voting papers.

## BY-LAWS CHAPTER X<sup>1</sup>

1. The Faculty of Arts shall comprise, apart from *ex officio* members, the following.

- (a) the Professors, Readers, Associate Professors, Senior Lecturers, Lecturers and Senior Tutors in the following Schools and Departments:—

Greek  
Latin  
English  
French Studies  
Germanic Studies  
Italian  
Oriental Studies  
Semitic Studies  
History  
Archaeology  
Philosophy  
Government and Public Administration  
Psychology  
Education  
Anthropology  
Geography  
Indonesian and Malayan Studies  
Music  
Fine Arts  
Pure Mathematics  
Applied Mathematics  
Mathematical Statistics  
Social Work  
Linguistics  
Religious Studies  
Modern Greek

who are full-time members of the teaching staff of the University;

- (b) the Dean of the Faculty of Science together with two other full-time members of the teaching staff of the Faculty of Science, not otherwise members of the Faculty of Arts, nominated annually by the Faculty of Science;
- (c) the full-time members of the teaching staff who are engaged in teaching for the Diploma in Museum Studies;

<sup>1</sup> Amendments to this Chapter have been approved by the Senate and await the approval of the Governor. The amendments  
— change the way in which the constitution of the Faculty is expressed;  
— repeal sections 2(2)(c), 3, 5, 6, 7, 10, 11, 14, 15, 18, 20, 23, 31, 32, 33, 34, 35, 36 and 37;  
— revise sections 4, 16, 24, 25, 38 and 39.

- (d) the Dean of the Faculty of Economics, the Professors of Economics and Economic History together with three other full-time members of the Department of Economics and two other full-time members of the Department of Economic History nominated annually by the Faculty of Economics;
  - (e) the Dean of the Faculty of Law and two other full-time members of the teaching staff of the Faculty of Law nominated annually by the Faculty of Law;
  - (f) not more than eight students elected as prescribed by resolution of the Senate<sup>1</sup>;
  - (g) [*repealed*];
  - (h) the Director of The Language Study Centre;
  - (i) the Curator of the Power Gallery of Contemporary Art; and
  - (j) such other full-time members of the teaching staff of Departments other than those referred to in paragraph (a) above as may be annually appointed by the Faculty at its last meeting each year.
2. (1) The degrees in the Faculty shall be:
- (a) Bachelor of Arts (B.A.)
  - (b) Master of Arts (Pass) (M.A.(Pass))
  - (c) Master of Arts (Honours) (M.A.(Hons))
  - (d) Master of Psychology (M.Psychol.)
  - (e) Doctor of Philosophy (Ph.D.)
  - (f) Doctor of Letters (D.Litt.)
- (2) The diplomas in the Faculty of Arts shall be:
- (a) Diploma in Anthropology (Dip.Anth.)
  - (b) Diploma in the Teaching of English as a Foreign Language (Dip.T.E.F.L.)
  - (c) Diploma in Museum Studies (Dip.Museum Stud.)

#### BACHELOR OF ARTS

3. (1) The degree shall be awarded in two grades, namely the Pass degree and the Honours degree.
- (2) There shall be three classes of Honours, namely Class I, Class II, and Class III and within Class II there shall be two divisions, namely Division I and Division 2.
4. Subject to section 5, a candidate for the degree shall complete such requirements for the degree as may be prescribed by resolution from time to time by the Senate on the recommendation of the Faculty and the Academic Board.
5. A candidate who enrolled for the degree before the day upon which section 4 took effect:
- (a) may elect to continue towards the degree in accordance with the by-laws in force immediately before that day; and
  - (b) where he so elects, shall complete the requirements for the degree on or before 31st December, 1981, or such later date as the Faculty of Arts may, in special circumstances, approve.

#### MASTER OF ARTS (PASS)

6. The degree of Master of Arts (Pass) shall be awarded in one grade only, provided that an outstanding candidate may be awarded the degree with merit.
7. The degree may be taken in the following subject-areas:

- (i) Anthropology
- (ii) Applied Mathematics
- (iii) Archaeology
- (iv) Classics
- (v) Computer Science

- (vi) Economic History
- (vii) Economics
- (viii) Education
- (ix) English
- (x) Fine Arts
- (xi) French
- (xii) Geography
- (xiii) Geomorphology
- (xiv) German
- (xv) Government
- (xvi) Greek
- (xvii) History
- (xviii) Indonesian and Malayan Studies
- (xix) Italian
- (xx) Latin
- (xxi) Mathematical Statistics
- (xxii) Medieval Studies
- (xxiii) Modern Greek
- (xxiv) Music
- (xxv) Oriental Studies
- (xxvi) Philosophy
- (xxvii) Psychology
- (xxviii) Pure Mathematics
- (xxix) Semitic Studies
- (xxx) Historical Archaeology
- (xxxi) Applied Linguistics (Language in Education)
- (xxxii) Linguistics
- (xxxiii) Religious Studies
- (xxxiv) Social Studies

#### 8. An applicant for admission to candidature for the degree shall—

- (a) except as provided in Chapter XXVIA of the By-laws, be a Bachelor of Arts of the University of Sydney, or, in special cases, hold another degree of the University of Sydney;
- (b) have completed three courses within the subject-area in which he seeks to proceed to the degree or have completed courses deemed by the Faculty to be equivalent; and
- (c) after consultation with the Head of Department or the chairman of the inter-Departmental or inter-School Committee concerned, apply in writing to the Registrar for approval by the Faculty of his admission to candidature.

9. A candidate shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and the Faculty of Arts.

#### MASTER OF ARTS (HONOURS)

10. (1) The degree of Master of Arts (Honours) shall be awarded in two classes of Honours, namely, Class I and Class II.
- (2) An outstanding candidate who has distinguished himself at the examination for the degree shall, if he possesses sufficient merit, receive a bronze medal.

#### 11. The degree may be taken in the following subject-areas:

- (i) Anthropology
- (ii) Applied Mathematics
- (iii) Archaeology
- (iv) Classics
- (v) Computer Science
- (vi) Economic History
- (vii) Economics
- (viii) Education
- (ix) English
- (x) Fine Arts
- (xi) French

<sup>1</sup> See Senate Resolutions following Chapter VIII.

- (xii) Geography
- (xiii) Geomorphology
- (xiv) German
- (xv) Government
- (xvi) Greek
- (xvii) History
- (xviii) Indonesian and Malayan Studies
- (xix) Italian
- (xx) Latin
- (xxi) Mathematical Statistics
- (xxii) Medieval Studies
- (xxiii) Modern Greek
- (xxiv) Music
- (xxv) Oriental Studies
- (xxvi) Philosophy
- (xxvii) Psychology
- (xxviii) Pure Mathematics
- (xxix) Semitic Studies
- (xxx) Historical Archaeology
- (xxxi) Applied Linguistics (Language in Education)
- (xxxii) Linguistics
- (xxxiii) Religious Studies
- (xxxiv) Social Studies

**12. An applicant for admission to candidature for the degree shall—**

- (a) except as provided in Chapter XXVIA of the By-laws, be a Bachelor of Arts with Honours of the University of Sydney or, in special cases, a graduate with Honours in another Faculty of the University of Sydney or, with the special permission of the Faculty, hold the degree of Master of Arts (Pass) or hold qualifications deemed by the Faculty to be equivalent<sup>1</sup>;
- (b) have obtained Honours in a subject within the subject-area in which he seeks to proceed to the degree or have obtained qualifications deemed by the Faculty to be equivalent; and
- (c) after consultation with the Head of Department or the Chairman of the inter-Departmental or inter-School Committee concerned, apply in writing to the Registrar for approval by the Faculty of his admission to candidature.

**13.** A candidate shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and the Faculty of Arts.

**14.** The provisions of sections 6 to 13 and the Resolutions arising therefrom shall have effect on and from 29th March, 1976, provided that a candidate for the degree of Master of Arts who was admitted to candidature prior to that date may complete in accordance with the By-laws and Resolutions which were existing at the time he commenced, subject to any amendments thereof that take effect before 29th March, 1976.

**MASTER OF PSYCHOLOGY**

- 15. (1)** The degree of Master of Psychology shall be awarded in one grade only.
- (2)** An outstanding candidate may be awarded the degree with merit.
- (3)** The award of the degree shall be supervised by a Board of Studies responsible to the Faculty and consisting of—
  - (a) the Dean of the Faculty;
  - (b) the Heads of the Departments of Psychiatry and Social Work;

- (c) the Professors, Readers, Associate Professors and Senior Lecturers in the Department of Psychology;
  - (d) the Lecturers and Senior Tutors who are full-time members of the academic staff of the Department of Psychology who are engaged in teaching for the degree; and
  - (e) not more than two students elected in the manner and for the period prescribed by Resolution of the Senate; and
  - (f) such other persons as may be appointed by the Faculty on the recommendation of the persons referred to in paragraphs (a) to (d).
- (4)** The persons appointed to the Board of Studies pursuant to subsection (3)(f) shall hold office for 2 years and, if otherwise qualified, shall be eligible for reappointment.

**16.** The Faculty, on the recommendation of the Board of Studies, may grant admission to candidature for the degree to an applicant —

- (a) who has completed work in Abnormal Psychology acceptable to the Board; and
- (b) who—
  - (i) has completed with Honours in Psychology the requirements for the degree of Bachelor of Arts or Bachelor of Science, being degrees of the University of Sydney, or who, being a graduate of the University of Sydney, holds qualifications considered by the Faculty to be equivalent; or
  - (ii) has completed the requirements for the degree of Master of Science in Psychology or Master of Arts (Honours) in Psychology, being degrees of the University of Sydney.

**17. [Repealed]**

**18. (1)** The Academic Board, on the recommendation of the Faculty and the Board of Studies, may grant admission to candidature for the degree to an applicant who is a graduate of a university, other than the University of Sydney, and who holds qualifications which, in the opinion of the Board of Studies, the Faculty and the Academic Board, are equivalent to those prescribed in section 16.

**(2)** Notwithstanding section 19, the Board of Studies may, in respect of an applicant referred to in subsection (1), prescribe such requirements for completion of the degree as it thinks fit.

**19.** A candidate shall complete such requirements for the degree as may be prescribed from time to time by Resolution of the Senate on the recommendation of the Academic Board and the Faculty of Arts.

**20.** Except where the Faculty, on the recommendation of the Board of Studies, otherwise permits, a candidate who has been admitted to candidature for the degree in accordance with section 16 or 18 (1) shall complete the requirements for the degree —

- (a) if he is a full-time candidate, in a period of 2 years; or
- (b) if he is a part-time candidate, in a period of 4 years.

**DOCTOR OF PHILOSOPHY**

**21.** The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXD.

**DOCTOR OF LETTERS**

**22.** The degree of Doctor of Letters (D.Litt.) shall not be conferred except as prescribed in Chapter XIXB

<sup>1</sup> The Faculty will normally admit to candidature for the degree of MA(Hons) an applicant who already holds the degree of MA(Pass) only if he or she has been awarded the degree of MA(Pass) with merit.

## DIPLOMA IN ANTHROPOLOGY

23. There shall be a Diploma in Anthropology (Dip.Anth.).

24. Admission to candidature for the Diploma in Anthropology may be granted (a) to graduates of the University of Sydney, (b) to graduates of any other university approved by the Faculty of Arts and the Academic Board, (c) to officers of the Public Services of the British Empire, and (d) to such other persons as may be approved by the Faculty of Arts:

Provided that candidates seeking admission under (c) and (d) shall give evidence of such qualifications as may be required by the Professor of Anthropology and approved by the Faculty, and provided further that candidates seeking admission under (d) shall furnish evidence by means of publications of anthropological subjects or of reports on field work and research or both that they are specially fitted to enter upon systematic courses of study in Anthropology.

25. Candidates for the Diploma in Anthropology shall—

- (a) attend either concurrently in one year, or successively in two years, the course Anthropology I and the Honours course in Anthropology II and such other courses and work as the Head of the Department may prescribe, and pass the examinations in these courses;
- (b) present within three years or such longer period as shall be approved by the Faculty from their completion of these courses a thesis on a subject approved by the Professor of Anthropology, and, if required, pass an examination on the subject matter of the thesis and also on a subject or subjects to be determined by the Professor of Anthropology;

provided that candidates who have graduated in Arts in this University after completing as courses for the degree at least Courses II and III of the Honours School of Anthropology shall be held to have so far qualified for the Diploma and may present their thesis within three years or such longer period as shall be approved by the Faculty from their graduation in Arts; provided further that the examiners in determining the award may take into consideration together with the thesis any work published by the candidate and submitted by him in support of his candidature.

26.–30. [*Repealed*]

## DIPLOMA IN THE TEACHING OF ENGLISH AS A FOREIGN LANGUAGE<sup>1</sup>

31. There shall be a Diploma in the Teaching of English as a Foreign Language (Dip.T.E.F.L.).

32. (1) The award of the Diploma shall be supervised by a Board of Studies responsible to the Faculty of Arts and consisting of—

- (a) the Dean of the Faculty of Arts or his representative;
- (b) the Heads of the Departments of English and Education;
- (c) six other members of the Faculty of Arts elected by the Faculty of Arts (at least one being a member of the Department of English and at least one a member of the Department of Education); and
- (d) such further persons, if any, not exceeding two, as may be appointed by the Faculty of Arts on the recommendation of the aforesaid members.

(2) Each of the Heads of the Departments of English and Education may appoint a member of his respective Department to attend the Board in his place, either for a particular meeting or for any length of time not exceeding his term as such Head, with full power to speak and vote thereat on his behalf.

(3) The election of the six members of the Faculty of Arts shall be held in Michaelmas Term of every alternate year, commencing in 1969, and the members so elected shall hold office for a period of two years from the first day of January following the election. Any members so elected shall be eligible for re-election.

(4) The persons appointed by the Faculty of Arts shall hold office for two years and shall be eligible for re-appointment.

33. Admission to candidature for the Diploma may be granted to—

- (a) graduates of the University of Sydney or of any other university approved by the Faculty of Arts and the Academic Board, who have produced evidence of having had, normally for at least three years, such teaching experience as the Faculty of Arts considers satisfactory; and
- (b) such other persons as may be approved, by the Faculty of Arts, who have produced evidence of holding academic and teaching qualifications acceptable to the Faculty of Arts and of having had, normally for at least five years, such teaching experience as the Faculty of Arts considers satisfactory;

provided that applicants seeking admission shall satisfy the Board of Studies, by means of such tests as the Board may require, of their competence in written and spoken English.

34. A candidate for the Diploma shall—

- (a) attend the courses of instruction prescribed for the Diploma from time to time by resolution of the Senate on the recommendation of the Academic Board and the Faculty of Arts;
- (b) complete satisfactorily the essays, exercises and practical work, if any; and
- (c) pass the examinations of the course.

35. A candidate for the Diploma shall complete the courses prescribed in a period of not less than one year.

## DIPLOMA IN MUSEUM STUDIES

36. There shall be a Diploma in Museum Studies (Dip.Museum Stud.).

37. (1) The award of the Diploma shall be supervised by a Board of Studies responsible to the Faculty of Arts and consisting of the Dean of the Faculty of Arts, the Professor of Contemporary Art, the Curator of the Nicholson Museum, the Curator of the Power Gallery of Contemporary Art, the Curator of the Macleay Museum, at least three persons appointed by the Faculty of Arts and such other persons as may be appointed by the Faculty of Arts on the recommendation of the aforesaid members.

(2) Any person appointed under subsection (1) shall hold office for two years and shall be eligible for re-appointment.

38. (1) Subject to subsection 2, admission to candidature for the Diploma may be granted, either—

- (a) to a graduate of the University of Sydney; or
- (b) on the recommendation of the Faculty of Arts and with the approval of the Academic Board—

<sup>1</sup> As from 1986 this Diploma is under the supervision of the Faculty of Education.



- (i) to a graduate of another University; or
- (ii) to the holder of qualifications approved by the Faculty of Arts and the Academic Board obtained in an institution approved by the Faculty of Arts and the Academic Board.

(2) An applicant for admission to candidature shall have completed courses acceptable to the Board of Studies referred to in section 37 (1).

39. A candidate for the Diploma shall complete such requirements for the Diploma as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board, the Faculty of Arts and the Board of Studies.

## RESOLUTIONS OF THE SENATE

### BACHELOR OF ARTS

In accordance with section 4 of Chapter X of the by-laws, the following resolutions governing candidature for the degree have been prescribed by the Senate:

1. In respect of the degree of Bachelor of Arts, the definitions of a 'course' and the expression 'to complete a course'; the enrolment and examination procedures for courses and results available; and the requirements of candidates repeating courses are prescribed in Chapter XXII of the By-laws.

2. A course may be a first year, second year, third year or fourth year course and this is designated by the roman numeral I, II, III or IV respectively.

3. The courses available are arranged in the following subject areas and are listed in Resolution 16:

#### Group I

- (1) Aboriginal Performing Arts
- (2) Arabic
- (3) Archaeology
- (4) Australian Literature
- (5) Biblical Studies
- (6) Celtic Studies
- (7) Chinese
- (8) Classical Literature in Translation
- (9) Contemporary Arab Society, Thought and Culture<sup>1</sup>
- (10) Education
- (11) English
- (12) Fine Arts
- (13) French
- (14) Geography
- (15) German
- (16) Greek (Classical)
- (17) Greek (Modern)
- (18) Hebrew
- (19) Historical Archaeology
- (20) History
- (21) Indian Studies
- (22) Indonesian and Malayan Studies
- (23) Islamic Studies
- (24) Italian
- (25) Japanese
- (26) Jewish Civilisation, Thought and Culture
- (27) Latin
- (28) Linguistics
- (29) Music
- (30) Philosophy
- (31) Prehistory
- (32) Psychology
- (33) Religious Studies
- (34) Social Anthropology
- (35) Social Theory
- (36) The State in South-East Asia

#### Group II

(No more than six courses may be counted from this group.)

- (1) The Australian Economy
- (2) Economic History
- (3) Government
- (4) Economics
- (5) Economics (Social Sciences)

#### Group III

(No more than six courses may be counted from this group.)

- (1) Applied Mathematics
- (2) Computer Science
- (3) General Computing Studies
- (4) Pure Mathematics
- (5) Mathematical Statistics

#### Group IV

- (1) Biology
- (2) Chemistry
- (3) Geology
- (4) Physics

#### Group V

- (1) Law

4. (1) At least five courses must be completed from the subject areas listed in Groups I–III except as provided in resolution 18(2).

(2) No more than five courses may be counted as qualifying courses for the degree from any one subject area listed in Groups I–III.

(3) No more than six courses may be counted as qualifying courses for the degree from the subject areas in Group II.

(4) No more than six courses may be counted as qualifying courses for the degree from the subject areas in Group III.

(5) No more than four courses may be taken in any one year.

5. (1) No course may be counted more than once as a qualifying course for the degree.

(2) Candidates may not count as qualifying courses for the degree more than one of such courses as the Faculty deems to be mutually exclusive.

(3) Except with the permission of the Faculty, a candidate may not count as qualifying courses for the degree, any courses completed by the candidate which have subsequently been credited towards a degree or diploma completed in another Faculty or Board of Studies at this University, or towards a degree or diploma completed in another tertiary institution.

6. (1) Before commencing a second year course a candidate must, except with the permission of the Faculty, have completed the antecedent first year course in that subject area or another prescribed antecedent course.

(2) Before commencing a third year course a candidate must, except with the permission of the Faculty, have completed the antecedent second year course in that subject area or another prescribed antecedent course.

7. (1) For certain courses a prerequisite course may be prescribed by the Faculty or, in the case of the first year courses, by the Senate.

(2) A prerequisite course is a course which in addition to any antecedent course must, except with the permission of the Faculty, have been com-

<sup>1</sup> Subject to approval and availability of staff.

8. (1) A first year course may be taken as —
  - (a) an elementary course — designated IB;
  - (b) an intermediate course — designated IAB; or
  - (c) a standard course — designated IA or I.(2) Admission to elementary courses is restricted to candidates who, in the opinion of the Head of Department concerned, are not qualified to enter an intermediate or standard course in that subject area.
- (3) No more than two elementary courses may be counted as qualifying courses towards the degree, provided that a second elementary course may only be counted for the degree if the candidate completes either a course II and a course III in one of the subject areas or a course II in both subject areas.
- (4) No more than one first year course in a particular subject area may be counted as a qualifying course for the degree except where otherwise prescribed by the Faculty.
9. (1) A second year course may be taken as —
  - (a) a second year course;
  - (b) an additional second year course; or
  - (c) a second year honours course.(2) An additional second year course may only be taken subsequently to completion of, or concurrently with, a second year or second year honours course in that subject area.
- (3) A candidate may count as qualifying courses for the degree from one subject area one second year course, one second year course together with an additional second year course if available, or one second year honours course together with one additional second year course if available.
- (4) A candidate, except with the permission of the Faculty, may not take a second year honours course without having obtained a result of credit or better at the first attendance at the first year course in that subject area or a prescribed antecedent course.
- (5) A second year honours course may include part or all of the work prescribed for the second year course and may include prescribed work for the preceding long vacation.
- (6) A candidate who has either failed to gain a result of credit or better in a second year honours course or has only completed the second year course may, after completion of such supplementary work as may be required by the Head of the Department concerned, and having shown sufficient merit in that work, be admitted to the third year honours course if otherwise qualified and be deemed for the purposes of meeting the requirements for the Honours degree to have completed a second year honours course.
10. (1) A third year course may be taken as —
  - (a) a third year course;
  - (b) an additional third year course; or
  - (c) a third year honours course.(2) An additional third year course may only be taken subsequently to completion of, or concurrently with, a third year or a third year honours course in that subject area.
- (3) A candidate may count as qualifying courses for the degree from one subject area one third year course, one third year course together with one additional third year course if available, or one third year honours course together with one additional third year course if available.
- (4) A candidate, except with the permission of the Faculty or as provided in Resolution 9(6), may not take a third year honours course without having obtained a result of credit or better at the first attendance of the second year course in that subject area or a prescribed antecedent course.
- (5) A third year honours course may include part or all of the work prescribed for the third year course and may include prescribed work for the preceding long vacation.
- (6) A candidate, except with the permission of the Faculty, may not take a third year honours course unless he or she has completed five courses.
- (7) A candidate who has either failed to gain a result of credit or better in a third year honours course or has only completed the third year course may, after completion of such supplementary work as may be required by the Head of the Department concerned and having shown sufficient merit in that work, be admitted to the fourth year honours course if otherwise qualified and be deemed for the purpose of meeting the requirements for the Honours degree to have completed a third year honours course.
11. (1) A fourth year course may be offered only as a fourth year honours course.
- (2) A candidate may not, except as provided in Resolution 10(7), take a fourth year honours course without having obtained a result of credit or better at the third year honours course in that subject area or a prescribed antecedent course.
- (3) A candidate may not take a fourth year honours course without having completed seven qualifying courses as prescribed in Resolution 14 below.
12. (1) A candidate who has qualified to enter a fourth year honours course in two subject areas may either, with the approval of the Faculty, on the recommendation of the Heads of the Departments concerned —
  - (a) complete the fourth year honours course in each of the two subject areas concurrently in one year, or
  - (b) complete the fourth year honours course in each of the two subject areas consecutively in two years, or
  - (c) complete a joint fourth year honours course in the two subject areas in one year.(2) A joint fourth year honours course shall represent such parts of the fourth year honours course of each subject area as may be approved by the Faculty on the recommendation of the Heads of the Departments concerned, in each individual case.
- (3) (a) A candidate proceeding pursuant to subsection (1)(a) or subsection (1)(b) shall be eligible for the award of honours in each subject area.
- (b) A candidate proceeding pursuant to subsection (1)(c) shall be eligible for the award of joint honours in a form which recognises the subject areas in which he or she has completed such joint honours.
- Pass degree*
13. (1) In order to qualify for the award of the Pass degree a candidate must over a period of not less than three years, except as provided in section (2), complete nine courses which shall include either
  - (a) at least three second year courses and two third year courses; or
  - (b) at least two second year courses and three third year courses.

(2) A candidate who has completed eight courses which include

- (a) one second year honours course and one third year honours course both passed at credit level; and

(b) two further second or third year courses may, on application to the Faculty, be held to have qualified for the Pass degree.

#### Honours degree

14. (1) In order to qualify for the Honours degree a candidate must complete over a period of not less than four years eight courses which shall include—

- (a) a fourth year honours course;
- (b) four second and third year courses of which one must be a third year honours course and one a second year honours course.

(2) Candidates who do not obtain Honours at the end of the fourth year course may be awarded a Pass degree if in the opinion of the Head of the Department concerned their work is of sufficient merit.

(3) There shall be no re-examination for honours.

(4) If a candidate graduates in any fourth year honours course with First Class Honours and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.

(5) A candidate who has been awarded the degree in the grade of Pass degree may subsequently qualify for the degree in the grade of Honours degree by fulfilling

such of the requirements of section (1) above as had not already been met.

(6) A candidate who has qualified for the award of the degree in the grade of Pass degree shall not be awarded that degree so long as he or she remains enrolled in a fourth year honours course.

#### Time limits

15. (1) Except with the permission of the Faculty, and subject to Resolution 17 (4), the requirements for the degree must be completed within ten calendar years of first enrolment in the degree.

(2) Subject to sub-section (1) above, and except with the permission of the Faculty and the permission of the Head of Department concerned, the requirements for the honours degree must be completed in no more than six separate years of enrolment from the year of first enrolment in the degree.

(3) Subject to sub-section (1) above, and to the permission of the Head of Department concerned a candidate wishing to qualify for the degree in the grade of Honours in accordance with Resolution 14 (5) must complete the requirements within three consecutive years of enrolment from the year of admission to candidature for Honours.

#### Courses

16. The courses available for the degree, together with the resolutions of the Faculty concerning prerequisites, antecedent courses, and mutually exclusive courses are as set out in the following tables.

TABLE OF COURSES [See Resolution 16]

Course	Group	Prerequisite (at the Higher School Certificate)	Faculty resolutions	Notes
<b>First Year courses</b>				
Arabic IB	I	—	Only one course may be counted.	Elementary course
Arabic IA	I	The 3 unit course, or the 2 unit course at a satisfactory standard subject to departmental placement test.		The department will hold a placement test to determine whether entry should be to IA or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Archaeology I	I	—	—	
Biblical Studies I	I	—	—	A Second Year course is available, but there is no Third or Fourth Year course.
Biology I	IV	No prerequisite but assumed knowledge of either 2 unit Biology or the Biology section of the Science Multistrand course.	Only one of the two Biology I courses may be counted.	Note the prerequisites for Biology II.
Biology — Human, Social and Environmental	IV	As above		This course does not lead to admission to Biology II.
Chemistry I	IV	No prerequisite but assumed knowledge of Mathematics 2 unit course and the Chemistry section of the Science Multistrand 4 unit course or 2 unit Chemistry.	—	Note the prerequisites for Chemistry II. Students are placed in different streams but all lead to admission to Chemistry II.

Course	Group	Prerequisite (at the Higher School Certificate)	Faculty resolutions	Notes
Chinese IB	I	—	Only one course may be counted.	Elementary course
Chinese IA	I	The 3 unit course or the 2 unit course at a satisfactory standard.		The department will hold a placement test to determine whether entry should be to IA or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Computer Science I	III	No prerequisite but assumed knowledge of 2 unit Mathematics	May not be counted with General Computing Studies	Note the prerequisites for Computer Science II and III.
Economic History I	II	—	—	—
Economics I	II	No prerequisite but assumed knowledge of 2 unit Mathematics	May not be counted with Economics I (Social Sciences) or Economics I (P) completed prior to 1984	Course revised for 1987. Note prerequisite for entry to Economics II Honours in 1988.
Economics I (Social Sciences)	II	—	May not be counted with Economics I	New course in 1987
The Australian Economy	II	—	Candidates who have completed Economics II or IIP cannot enrol in this course. May be counted with Economics I or Economics I (Social Sciences).	Candidates who enrolled in but did not complete Economics I in 1986 or in earlier years or Economics IP in 1982 or in earlier years may enrol in these courses but it may count as their second attempt at the course.
English I	I	No prerequisite: Assumed knowledge of 3 unit or 2 unit English.	—	—
Fine Arts I	I	—	—	—
French IB	I	—	Only one course may be counted.	Elementary course
French IAB	I	A standard to be determined by the department.		Intermediate course
French IA	I	The 3 unit course, or the 2 unit course at a satisfactory standard.		The department will hold a placement test to determine whether entry should be to IA, IAB or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
General Computing Studies	III	No prerequisite but assumed knowledge of 2 unit Mathematics or Mathematics in Society	May not be counted with Computer Science I	This course does not normally lead to admission to Computer Science II
General Pure Mathematics	III(2)	No prerequisite but assumed knowledge of 2 unit Mathematics.	May not be counted with Mathematics I.	This is an antecedent course for Pure Mathematics II or Mathematical Statistics II if passed at the credit level; otherwise a Second Year course is not available.

Course	Group	Prerequisite (at the Higher School Certificate)	Faculty resolutions	Notes
General Statistical Methods	III(3)	No prerequisite but assumed knowledge of 2 unit Mathematics or Mathematics in Society.	May not be counted if taken subsequent to or concurrently with completion of Mathematical Statistics II.	This course does not lead to any Second Year course. See the prerequisites for Mathematical Statistics II.
Geography I	I	—	—	A morning and an afternoon course are offered, but students may not switch classes between courses during the year.
Geology I	IV	No prerequisite. No previous knowledge of Geology assumed.	—	HSC Physics or Chemistry is preferred as background. Note prerequisite for Geology II.
German IB	I	—	} Only one course may be counted.	Elementary course
German IAB	I	A standard to be determined by the department.		Intermediate course
German IA	I	The 3 unit course, or the 2 unit course at a satisfactory standard.		The department will hold a placement test to determine whether entry should be to IB, IAB or IA, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Government I	II	—	—	A number of distinct alternative courses are available of which one may be taken.
Greek IB (Classical)	I	—	} Only one course may be counted.	Elementary course
Greek IB (Koine)	I	—		Elementary course. No Second Year course is available.
Greek IA (Classical)	I	The 3 unit course or the 2 unit course at a satisfactory standard.		The department will hold a placement test to determine whether entry should be to IA or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Greek (Modern) <sup>1</sup>				
Hebrew IB	I	—	} Only one course may be counted.	Elementary course
Hebrew IA	I	The 3 unit course, or the 2 unit course at a satisfactory standard subject to departmental placement test.		The department will hold a placement test to determine whether entry should be to IA or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
History I	I	—	—	A number of distinct alternative courses are available of which one may be taken.

<sup>1</sup> For the entry for Modern Greek, see alphabetically below.

Course	Group	Prerequisite (at the Higher School Certificate)	Faculty resolutions	Notes
Indonesian and Malayan Studies IB	I	—	Only one course may be counted.	Elementary course
Indonesian and Malayan Studies IA	I	The 3 unit course, or the 2 unit course at a satisfactory standard, or 3 unit or 2 unit Bahasa Indonesia / Malaysia.		The department will hold a placement test to determine whether entry should be to IA or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Italian IB	I	—	Only one course may be counted.	Elementary course
Italian IA	I	The 3 unit course or the 2 unit course at a satisfactory standard.		The department will hold a placement test to determine whether entry should be to IA or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Islamic Studies I	I	—	—	Offered in alternate years with Islamic Studies II. Next offered in 1987.
Japanese IB	I	—	Only one course may be counted.	Elementary course
Japanese IA	I	The 3 unit course, or the 2 unit course at a satisfactory standard.		The department will hold a placement test to determine whether entry should be to IA or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Latin IB	I	—	Only one course may be counted.	Elementary course
Latin IA	I	The 3 unit course or the 2 unit course at a satisfactory standard.		The department will hold a placement test to determine whether entry should be to IA or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Legal Institutions	V(I)	—	—	—
Linguistics I	I	—	—	Note the prerequisites for Linguistics II.
Mathematics I	III	No prerequisite but assumed knowledge of 3 unit Mathematics.	May not be counted with General Pure Mathematics.	—
Modern Greek IB	I	—	Only one course may be counted.	Elementary course
Modern Greek IAB	I	A standard to be determined by the department.		Intermediate course
Modern Greek IA	I	The 3 unit course or the 2 unit course at a satisfactory standard.		The department will hold a placement test to determine whether entry should be to IA, IAB or IB, but students with the appropriate HSC prerequisite must normally enrol in the IA course.
Music I	I	The 3 unit course, or the 2 unit course at a satisfactory standard and subject to taking a departmental musicianship test.	—	Students who have not taken HSC Music may qualify after taking a departmental musicianship test.
Philosophy I	I	—	—	—

Course	Group	Prerequisite (at the Higher School Certificate)	Faculty resolutions	Notes
Physics I	IV	No prerequisite but assumed knowledge of Mathematics 3 unit course and the Physics section of Science Multistrand 4 unit course or 2 unit Physics.	Mathematics I is a corequisite course. May not be counted with Physics I (Life Sciences).	Students are placed in one of two streams but both lead to Physics II.
Physics I (Life Sciences)	IV	No prerequisite but assumed knowledge of Mathematics 2 unit course and the Physics section of the 4 unit Science Multistrand course.	May not be counted with Physics I.	This course does not lead to admission to Physics II.
Prehistory I	I	—	May be counted with Social Anthropology I	Offered in the day only
Psychology I	I	—	—	—
Religious Studies I	I	—	—	—
Social Anthropology I	I	—	May be counted with Prehistory I	Offered in the day and the evening.
The State in South-East Asia I	I	—	—	—

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
<b>Second Year courses</b>					
Aboriginal Performing Arts II	I	—	Three first year courses, including one of Music I, Social Anthropology I, Linguistics I.	May be counted in addition to Second Year Music courses.	—
Applied Mathematics II	III	Mathematics I	—	Only one course may be counted.	—
Applied Mathematics II Honours	III	Mathematics I	At credit level		—
Arabic IIB	I	Arabic IB	—	Only one course may be counted.	—
Arabic IIA	I	Arabic IA	—		—
Arabic II Honours	I	Arabic IA or IB	At credit level		Students are advised to take Islamic Studies I as well.
Archaeology II	I	Archaeology I	—	Only one course may be counted.	—
Archaeology II Honours	I	Archaeology I	At credit level		—
Australian Literature II	I	—	At least two courses.	—	Prerequisites changed for 1987.
Australian Literature II Honours	I	—	At least two courses, including English I at credit level	—	Prerequisites changed for 1987. English II is strongly recommended as a co-requisite.
Biblical Studies II	I	Biblical Studies I	—	—	There is no Third Year course in this subject area.
Biology II (Animals)	IV	Biology I	Chemistry I only	Only one Second Year Biology course may be counted.	
Biology II (Plants)	IV	Biology I			
Biology II (Genetics, Cellular and Developmental)	IV	Biology I			

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Celtic Studies II	I	—	Three First Year courses	—	Normally students would be expected to have some knowledge of Celtic language or to have studied a language other than English to HSC level.
Chemistry II	IV	Chemistry I	Mathematics I or General Pure Mathematics	—	—
Chinese IIB	I	Chinese IB	—	Only two of IIB (Pass or Honours) and IIB Additional or IIA (Pass or Hons) & IIA Additional may be counted.  IIB Additional or IIA Additional may only be taken concurrently with or subsequent to completion of IIB or IIA respectively.	Course content as for Chinese IA.
Chinese IIB Honours	I	Chinese IB	At credit level		—
Chinese IIA	I	Chinese IA	—		—
Chinese IIA Honours	I	Chinese IA	At credit level		—
Chinese IIB Additional	I	Chinese IB	—		—
Chinese IIA Additional	I	Chinese IA	—		—
Classical Literature in Translation II	I	—	Three First Year courses	May not be counted with Greek IA, IIB, Latin IA, IIB.	Offered jointly by the Departments of Greek and Latin.
Computer Science II	III	Computer Science I	Mathematics I, General Pure Mathematics or General Statistical Methods	—	Prerequisites changed for 1987. Note the prerequisites for Computer Science III.
Contemporary Arab Society, Thought and Culture II	I	Arabic IA, Arabic IB or Islamic Studies I	—	—	New course in 1987. Offered in alternate years with Islamic Studies II.
Economic History II	II	Economic History I	—	Only one Second Year course may be counted.	—
Economic History II Honours	II	Economic History I	At credit level		—
Economics II	II	Economics I	—	Only one Second Year course may be counted.	Second year courses will be revised in 1988 in line with new Economics degree structures. Economics II Honours in 1988 may only be taken concurrently with or subsequent to General Statistical Methods, General Pure Mathematics or a mathematical course of similar standard approved by the Head of the Department of Economics.
Economics II Honours	II	Economics I	At credit level		
Economics II(P)	II	Economics I or I(P)	—		



Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Education II	I	Social Anthropology I, Prehistory I, Psychology I, or Philosophy I	—	Only one Second Year course may be counted.	—
Education II Honours	I	Social Anthropology I, Prehistory I, Psychology I, or Philosophy I	A credit pass in one of the antecedent courses		—
English II Course 1	I	English I	—	Only two of the Second Year courses may be counted and English II Course 2 may only be taken concurrently with or subsequent to completion of English II Course I or English II Honours.	—
English II Course 2	I	English I	—		—
English II Honours	I	English I	At credit level		—
Fine Arts II	I	Fine Arts I	—	Only one Second Year course may be counted.	—
Fine Arts II Honours	I	Fine Arts I	At credit level		—
French IIB	I	French IB	—	Only two of IIB (Pass or Hons), IIA (Pass or Hons) or II Additional may be counted.  II Additional may only be taken concurrently with or subsequent to completion of another Second Year French course.	—
French IIB Honours	I	French IB	At credit level		Note the requirements for French IV Honours.
French IIA	I	French IA or French IAB	—		—
French IIA Honours	I	French IA or French IAB	At credit level		—
French II Additional	I	French IB, IAB, or IA	—		—
Geography II	I	Geography I	—	Only one course may be counted.	Three alternative courses are offered. Note the pre-requisites for the various units within Geography III courses.
Geography II Honours	I	Geography I	At credit level		
Geology II	IV	Geology I	Chemistry I	—	—
German IIB	I	German IB	—	Only one of IIB (Pass or Hons) or IIA (Pass or Hons) may be counted.	—
German IIB Honours	I	German IB	At credit level		—
German IIA	I	German IA or IAB	—		—
German IIA Honours	I	German IA or IAB	At credit level		—
Government II	II	Government I	—	Only one course may be counted.	—
Government II Honours	II	Government I	At credit level		—

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Greek IIB	I	Greek IB	—	IIB (Pass or Honours) may not be counted with Greek IA	Students must pass a vacation reading test prior to enrolment
Greek IIB Honours	I	Greek IB	At credit level		
Greek IIA	I	Greek IA	—	Only two of IIB (Pass or Honours) and IIA (Pass or Honours) may be counted	Students may proceed to Greek IV Honours through the B-stream in either 4 or 5 years. Students must consult the Arts Office and the Department of Greek before enrolling.
Greek IIA Honours	I	Greek IA	At credit level		
Hebrew IIB (Classical)	I	Hebrew IB	—	Only two of IIB Classical, IIB Modern, IIA Classical, IIA Modern and II Honours may be counted.	—
Hebrew IIB (Modern)	I	Hebrew IB	—		—
Hebrew IIA (Classical)	I	Hebrew IA	—		—
Hebrew IIA (Modern)	I	Hebrew IA	—		—
Hebrew II Honours	I	Hebrew IA or IB	At credit level		—
Historical Archaeology II	I	—	Three First Year courses	—	—
History II	I	History I	—	Only two of History II (Pass or Hons) or History II Additional may be counted.  II Additional may only be taken concurrently with or subsequent to completion of History II or History II Honours.	—
History II Honours	I	History I	At credit level		—
History II Additional	I	History I	—		—
Indian Studies II	I	—	At least two First Year courses.	—	—
Indonesian and Malayan Studies II	I	Indonesian and Malayan Studies IA or both Indonesian and Malayan Studies IB and at least one other First Year course from Group I	—	Only two of the courses II, II Honours or II Additional may be counted  II Additional may only be taken concurrently with or subsequent to completion of Indonesian and Malayan Studies II	
Indonesian and Malayan Studies II Honours	I	Indonesian and Malayan Studies IA or both Indonesian and Malayan Studies IB and at least one other First Year course from Group I	At credit level At credit level		
Indonesian and Malayan Studies II Additional	I	Indonesian and Malayan Studies IA or both Indonesian and Malayan Studies IB and at least one other First Year course from Group I			
Islamic Studies II	I	Islamic Studies I	—	—	Offered in alternate years with Islamic Studies I and Contemporary Arab Society, Thought and Culture II.

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Italian IIB	I	Italian IB	—	Only one of the courses IIB (Pass or Hons) and IIA (Pass or Hons) may be counted.  May only be taken concurrently with or subsequent to completion of Italian IIB and not after Italian IIB.	—
Italian IIB Honours	I	Italian IB	At credit level		—
Italian IIA	I	Italian IA	—		—
Italian IIA Honours	I	Italian IA	At credit level		—
Italian IIB Additional	I	Italian IB	—		—
Japanese IIB	I	Japanese IB	—	Only one Second Year course may be counted.  —	Course content as for Japanese IA.
Japanese IIA	I	Japanese IA	—		—
Japanese IIA Honours	I	Japanese IA	At credit level		—
Japanese IIB Additional	I	Japanese IIB or IA	—		—
Jewish Civilization Thought & Culture II	I	—	Three first year courses, including one of Biblical Studies I or Hebrew I	May be counted in addition to second year Hebrew courses.	—
Latin IIB	I	Latin IB	—	Only one Second Year course may normally be counted.	Course content as for Latin IA.
Latin IIB Honours	I	Latin IB	At credit level		New course in 1987.
Latin IIA	I	Latin IA	—		—
Latin IIA Honours	I	Latin IA	At credit level		—
Linguistics II	I	Linguistics I	One other First Year course	A First Year course in a foreign language must be taken concurrently if not previously counted.	—
Linguistics II Honours	I	Linguistics I	At credit level and one other First Year course		—
Mathematical Statistics II	III	Mathematics I or General Pure Mathematics at credit level	—	Only one course may be counted.	Note prerequisites for Mathematical Statistics III.
Mathematical Statistics II Honours	III	Mathematics I	At credit level		—
Modern Greek IIB	I	Modern Greek IB	—	Only one Second Year course may be counted.	—
Modern Greek IIA	I	Modern Greek IA or IAB	—		—
Modern Greek IIA Honours	I	Modern Greek IA or IAB	At credit level		—
Music II	I	Music I	—	Only two courses may be taken.  Music II Additional may only be taken concurrently with or subsequent to completion of Music II or Music II Honours.	—
Music II Honours	I	Music I	At credit level		—
Music II Additional	I	Music I	—		—

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Philosophy IIG	I	Philosophy I	—	Only two of IIG (Pass or Hons), IIT (Pass or Hons) or IIG or T Additional may be taken.	—
Philosophy IIG Honours	I	Philosophy I	At credit level		—
Philosophy IIT	I	Philosophy I	—		—
Philosophy IIT Honours	I	Philosophy I	At credit level		—
Philosophy IIG Additional	I	Philosophy I	—	IIG Additional may only be taken concurrently with or subsequent to completion of Philosophy IIG.	Philosophy IIG Additional consists of <i>either</i> Philosophy IIT <i>or</i> , with Faculty permission, four approved Philosophy IIG options.
Philosophy IIT Additional	I	Philosophy I	—	IIT Additional may only be taken concurrently with or subsequent to completion of Philosophy IIT.	Philosophy IIT Additional is identical with Philosophy IIG.
Physics II	IV	Physics I	Mathematics I	—	Note prerequisite for Physics III.
Prehistory II	I	Prehistory I	—	Only one course may be counted.	—
Prehistory II Honours	I	Prehistory I	At credit level		—
Psychology IIA	I	Psychology I	—	Only one course may be taken.	—
Psychology IIA Honours	I	Psychology I	At credit level		—
Psychology IIB	I	Psychology I	—		This course does not lead to Psychology III.
Public Law	V(1)	Legal Institutions	—	—	—
Pure Mathematics II	III	Mathematics I or General Pure Mathematics at credit level.	—	—	—
Pure Mathematics II Honours	III	Mathematics I	At credit level	—	—
Religious Studies II	I	—	At least two First Year courses.	—	—
Religious Studies II Honours	I	—	At least two First Year courses, one at credit level.	—	—
Social Anthropology II (Course I)	I	Social Anthropology I	—	Only one of Social Anthropology II (Course I) (Pass or Hons) and Social Anthropology II (Course 2) (Pass or Hons) may be counted.	—
Social Anthropology II (Course I) Honours	I	Social Anthropology I	At credit level		—
Social Anthropology II (Course 2)	I	Social Anthropology I	—		—
Social Anthropology II (Course 2) Honours	I	Social Anthropology I	At credit level		—
Social Anthropology II (Course 3)	I	Social Anthropology I	—	This course may be counted with Social Anthropology II (Course I) (Pass or Hons) or Social Anthropology II (Course 2) (Pass or Hons).	This course does not lead to admission to Social Anthropology III.
Social Theory II	I	—	At least two First Year courses.	—	—

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
<b>Third Year courses</b>					
Applied Mathematics III	III	Applied Mathematics II	—	Only one course may be counted.	—
Applied Mathematics III Honours	III	Applied Mathematics II Honours	At credit level		—
Arabic III	I	Arabic IIA or IIB	—	Only one course may be counted.	—
Arabic III Honours	I	Arabic II Honours	At credit level and Islamic Studies I		—
Archaeology III	I	Archaeology II	—	Only one course may be counted.	—
Archaeology III Honours	I	Archaeology II Honours	At credit level		—
Australian Literature III	I	Australian Literature II or at least two Second Year courses	—	This course may not be taken by candidates who have previously failed Australian Literature II.	—
Australian Literature III Honours	I	Australian Literature II Honours or English II Honours & Australian Literature II.	At credit level At credit level	—	English III is strongly recommended as a co-requisite.
Biology III (Animals)	IV	Biology II (Animals)	Chemistry I and one of Physics I, Mathematics I or General Pure Mathematics	Only one Third Year Biology course may be counted.	—
Biology III (Plants)	IV	Biology II (Plants)			—
Biology III (Combined)	IV	Biology II (Animals) or II (Plants)			—
Chemistry III	IV	Chemistry II	—	—	—
Chinese IIIB	I	Chinese IIB	—	Only two of III(A, B or Hons) and III Additional may be counted.	—
Chinese IIIA	I	Chinese IIA	—		—
Chinese III Honours	I	Chinese IIB Honours or Chinese IIA Honours	At credit level		—
Chinese III Additional	I	Chinese IIB or IIA	—	III Additional may only be taken concurrently with or subsequent to another Third Year Chinese course.	—
Classical Literature in Translation III	I	Two Second Year courses of which one must include Classic Literature in Translation II if the course is being taken as the second half of a two year sequence.	—	May not be counted with Greek IA, IIB, Latin IA, IIB. May only be counted with Classical Literature in Translation II if both courses are taken in consecutive calendar years or with permission from the Heads of the Departments of Greek and Latin.	Offered jointly by the Departments of Greek and Latin.
Common Law	V(I)	—	Public Law	—	Comprises Torts and Contracts
Computer Science III	III	Computer Science II	Pure Mathematics II, Applied Mathematics II or Mathematical Statistics II	—	Note the prerequisites for Computer Science IV Honours.

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Economic History III	II	Economic History II	—	Only two of III (Pass or Honours) and III Additional may be counted.	—
Economic History III Honours	II	Economic History II Honours	At credit level		—
Economic History III Additional	II	Economic History II	—		—
Economics III	II	Economics II or Economics II(P)	—	Only two of III (Pass or Honours) and III Additional may be counted.	Third year courses will be revised in 1989 in line with new Economics degree structures.
Economics III Honours	II	Economics II Honours or Economics II(P)	At credit level		
Economics III Additional	II	Economics II or II(P)	—		
Education III	I	Education II or Anthropology II or Psychology II or Philosophy II	—	Only one Third Year course may be counted.	—
Education III Honours	I	Education II Honours, Anthropology II Honours, Psychology II Honours, or Philosophy II Honours	—		—
English III Course 1	I	English II	—	Only two of the Third Year courses may be counted and English III Course 2 may only be taken concurrently with or subsequent to completion of English III Course 1 or English III Honours.	—
English III Course 2	I	English II	—		—
English III Honours (Early English Literature and Language)	I	English II Honours	At credit level		—
English III Honours (Literature)	I	English II Honours	At credit level		—
Fine Arts III	I	Fine Arts II	—	Only two of III (Pass or Honours) and III Additional may be counted.	—
Fine Arts III Honours	I	Fine Arts II Honours	At credit level		—
Fine Arts III Additional	I	Fine Arts II	—		—
French IIIB	I	French IIB	—	Only two of IIIB (Pass or Honours), IIIA (Pass or Honours) and III Additional may be counted.	—
French IIIB Honours	I	French IIB Honours	At credit level		—
French IIIA	I	French IIA or French IIB and French II Additional	—		—
French IIIA Honours	I	French IIA Honours or French IIB Honours and French IIB Additional	At credit level		—
French III Additional	I	French IIA or IIB	—		—

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Geography IIIP	I	Geography II	—	Only two of IIIP (Pass or Hons), IIIE (Pass or Hons) and IIIM (Pass or Hons) may be counted.	—
Geography IIIP Honours	I	Geography II Honours	At credit level		—
Geography IIIM	I	Geography II	—		—
Geography IIIM Honours	I	Geography II Honours	At credit level		—
Geography IIIE	I	Geography II	—		—
Geography IIIE Honours	I	Geography II Honours	At credit level		—
Geology III	I	Geology II	—	—	—
German IIIB	I	German IIB	—	Only two of III (A, B or Honours) and III Additional may be counted.  III Additional may only be taken concurrently with or subsequent to another Third Year German course.	—
German IIIA	I	German IIA	—		—
German III Honours	I	German IIA Honours or German IIB Honours	At credit level		—
German III Additional	I	German IIB or IIA	—		—
Government III	II	Government II	—	Only two of III (Pass or Honours) and III Additional may be counted.  III Additional may only be taken concurrently with or subsequent to another Third Year Government course.	—
Government III Honours	II	Government II Honours	At credit level		—
Government III Additional	II	Government II	—		—
Greek IIIB	I	Greek IIB	—	Only two of IIIB (Pass or Honours or Additional) and IIIA (Pass or Honours) may be counted. Additional may be taken only concurrently with or subsequent to IIIB Honours.	—
Greek IIIB Honours	I	Greek IIB Honours	At credit level		—
Greek IIIB Additional	I	Greek IIB Honours	At credit level		New course in 1987
Greek IIIA	I	Greek IIA	—		—
Greek IIIA Honours	I	Greek IIA Honours or Greek IIIB Honours	At credit level		—
Hebrew III (Classical)	I	Hebrew IIB (Classical) and vacation reading or Hebrew IIA (Classical)	—	Only two of III ((Classical) Pass or Honours) and III ((Modern) Pass or Honours) may be counted.	—
Hebrew III (Modern)	I	Hebrew IIA (Modern) or Hebrew IIB (Modern)	—		—
Hebrew III Honours (Classical)	I	Hebrew II Honours	At credit level		—
Hebrew III Honours (Modern)	I	Hebrew II Honours	At credit level		—
Historical Archaeology III	I	—	Two Second Year courses	May not be counted with Historical Archaeology II and may not be taken by a candidate who has previously failed Historical Archaeology II	—

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
History III	I	History II	—	Only two of History III (Pass or Honours) and History III Additional may be counted.	—
History III Honours	I	History II Honours	At credit level		—
History III Additional	I	History II	—		—
				III Additional may only be taken concurrently with or subsequent to another Third Year History course.	
Indian Studies III	I	Indian Studies II	—	—	—
Indonesian and Malayan Studies IIIB	I	Indonesian and Malayan Studies IIB	—	Only two of IIIB (Pass or Honours), IIIA (Pass or Honours) and IIIB Additional may be counted.	—
Indonesian and Malayan Studies IIIB Honours	I	Indonesian and Malayan Studies IIB Honours	At credit level		—
Indonesian and Malayan Studies IIIA	I	Indonesian and Malayan Studies IIA	—		—
Indonesian and Malayan Studies IIIA Honours	I	Indonesian and Malayan Studies IIA Honours	At credit level		—
Indonesian and Malayan Studies III Additional	I	Indonesian and Malayan Studies IIB or IIA	—	III Additional may only be taken concurrently with or subsequent to another Third Year Indonesian and Malayan Studies course.	—
Italian III	I	Italian IIA or IIB	—	Only one course may be counted.	—
Italian III Honours	I	Italian IIB Honours or IIA Honours	At credit level		—
Japanese IIIB	I	Japanese IIB	—	Only two of IIIB (Pass or Honours) and IIIA (Pass or Honours) may be counted.	—
Japanese IIIB Honours	I	Japanese IIB	At credit level		—
Japanese IIIA	I	Japanese IIA	—		—
Japanese IIIA Honours	I	Japanese IIA or IIIB Honours	At credit level		—
Japanese III Additional	I	Japanese IIIB or IIA	—	—	—
Latin IIIB	I	Latin IIB	—	Only one third year course may be counted	—
Latin IIIA	I	Latin IIA	—		—
Latin III Honours	I	Latin IIB Honours or Latin IIA Honours	At credit level		New course in 1987.
Linguistics III	I	Linguistics II	—	Only one course may be counted.	—
Linguistics III Honours	I	Linguistics II Honours	At credit level		—
Mathematical Statistics III	III	Mathematical Statistics II	Pure Mathematics II	Only one course may be counted.	—
Mathematical Statistics III Honours	III	Mathematical Statistics II Honours	At credit level and Pure Mathematics II		—
Modern Greek IIIB	I	Modern Greek IIB	—	Only two of IIIB and IIIA (Pass or Honours) may be counted.	—
Modern Greek IIIA	I	Modern Greek IIA	—		—
Modern Greek IIIA Honours	I	Modern Greek IIA Honours	At credit level		—



Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Music III	I	Music II	—	Only two of III (Pass or Honours) and III Additional may be taken.	—
Music III Honours	I	Music II Honours	At credit level	—	—
Music III Additional	I	Music II and Music II Additional	—	III Additional may only be taken concurrently with or subsequent to another Third Year Music course.	—
Philosophy IIIG	I	Philosophy IIG	—	Only two of IIIG (Pass or Honours), IIIT (Pass or Honours) or IIIG or IIIT Additional may be taken.	—
Philosophy IIIG Honours	I	Philosophy IIG Honours	At credit level		—
Philosophy IIIT	I	Philosophy IIT	—		—
Philosophy IIIT Honours	I	Philosophy IIT Honours	At credit level		—
Philosophy IIIG Additional	I	Philosophy IIT or G	—	IIIG Additional may only be taken concurrently with or subsequent to completion of Philosophy IIIG.	Philosophy IIIG Additional consists of <i>either</i> Philosophy IIIT <i>or</i> , with Faculty permission, four approved Philosophy IIIG options.
Philosophy IIIT Additional	I	Philosophy IIT or G	—	IIIT Additional may only be taken concurrently with or subsequent to completion of Philosophy IIIT.	Philosophy IIIT Additional is identical with Philosophy IIIG.
Physics III	IV	Physics II	Pure Mathematics II	—	—
Prehistory III	I	Prehistory II	—	Only one course may be counted.	—
Prehistory III Honours	I	Prehistory II Honours	At credit level		—
Psychology III	I	Psychology IIA	—	Only one course may be counted.	—
Psychology III Honours	I	Psychology IIA Honours	At credit level		—
Pure Mathematics III	III	Pure Mathematics II	—	Only one course may be counted.	—
Pure Mathematics III Honours	III	Pure Mathematics II Honours	At credit level		—
Religious Studies III	I	Religious Studies II	—	Only one course may be counted.	—
Religious Studies III Honours	I	Religious Studies II Honours	At credit level		—
Social Anthropology III (Course 1)	I	Social Anthropology II (Course 1)	—	Only one of Social Anthropology III (Course 1) (Pass or Hons) and Social Anthropology III (Course 2) (Pass or Hons) may be counted.	—
Social Anthropology III (Course 1) Honours	I	Social Anthropology II (Course 1) Honours	At credit level		—
Social Anthropology III (Course 2)	I	Social Anthropology II (Course 2)	—		—
Social Anthropology III (Course 2) Honours	I	Social Anthropology II (Course 2) Honours	At credit level		—
Social Policy and Administration III	I	Social Theory II	—	—	—

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
<b>Fourth Year courses</b>					
Applied Mathematics IV Honours	III	Applied Mathematics III Honours	At credit level	—	—
Arabic IV Honours	I	Arabic III Honours	At credit level	—	—
Archaeology IV Honours	I	Archaeology III Honours	At credit level	—	—
Australian Literature IV Honours	I	Australian Literature III Honours English III Honours and Australian Literature II Honours and Australian Literature III (including core option 505)	At credit level At credit level	— —	Courses in Australian Literature must be completed at a satisfactory standard.
Chinese IV Honours	I	Chinese III Honours	At credit level	—	—
Classics IV Honours	I	Latin III Honours and Greek III Honours	At credit level	May not be counted with Greek IV Honours or Latin IV Honours	—
Computer Science IV Honours	III	Computer Science III	At credit level or better and preferably a third year Mathematics course	—	—
Economic History IV Honours	II	Economic History III Honours	At credit level	—	—
Economics IV Honours	II	Economics III Honours	At credit level	—	This course will be revised in 1990 in line with new Economics degree structures.
Education IV Honours	I	Education III Honours or Philosophy III Honours and Education II Honours	At credit level	—	—
English IV Honours	I	English III Honours	At credit level	—	There are two courses: one in English Literature and one in Early English Literature and Language
Fine Arts IV Honours	I	Fine Arts III Honours	At credit level	From 1989 students must have satisfied the language requirement of the Department of Fine Arts before being eligible to enrol in Fine Arts IV Honours	—
French IV Honours	I	French III Honours	At credit level	—	—
Geography IV Honours	I	Geography III P, M or E Honours	At credit level	—	—
Geomorphology IV Honours	I	Geography III P Honours	At credit level	—	—
German IV Honours	I	German III A or III B Honours	At credit level	—	—

Course	Group	Antecedent course	Prerequisite	Faculty resolutions	Notes
Government IV Honours	I	Government III Honours	At credit level	—	—
Greek IV Honours	I	Greek IIIA Honours or Greek IIIB Honours and Greek IIIB Additional	At credit level	—	—
Hebrew IV Honours	I	Hebrew III Honours	At credit level	—	—
History IV Honours	I	History III Honours	At credit level	—	—
Indonesian and Malayan Studies IV Honours	I	Indonesian and Malayan Studies IIIA Honours or IIIB Honours	At credit level	—	—
Italian IV Honours	I	Italian III Honours	At credit level	—	—
Japanese IV Honours	I	Japanese IIIA Honours	At credit level	—	—
Latin IV Honours	I	Latin III Honours	At credit level	—	For 1987 only, the antecedent course is Latin IIIA Honours.
Linguistics IV Honours	I	Linguistics III Honours	At credit level	—	—
Mathematical Statistics IV Honours	III	Mathematical Statistics III Honours	At credit level	—	—
Modern Greek IV Honours	I	Modern Greek IIIA Honours	At credit level	—	—
Music IV Honours	I	Music III Honours	At credit level	—	—
Philosophy IVG Honours	I	Philosophy IIIG Honours	At credit level	—	—
Philosophy IVT Honours	I	Philosophy IIIT Honours	At credit level	—	—
Prehistory IV Honours	I	Prehistory III Honours	At credit level	—	—
Psychology IV Honours	I	Psychology III Honours	At credit level	—	—
Pure Mathematics IV Honours	III	Pure Mathematics III Honours	At credit level	—	—
Religious Studies IV Honours	I	Religious Studies III Honours	At credit level	—	—
Social Anthropology IV Honours	I	Social Anthropology III (Course 1) Honours*	At credit level	—	* Or Anthropology IIIA Honours if completed prior to 1986.
Anthropological Linguistics IV Honours	I	Social Anthropology III (Course 2) Honours*	At credit level	—	* Or Anthropology IIIA Honours if completed prior to 1986.

**Credit**

17. (1) (a) A candidate for the degree who as an undergraduate of the University of Sydney in another faculty or under a board of studies has completed a course or courses may be given credit towards the Pass degree for either—
- (i) any number of courses, which shall be specified courses or
  - (ii) up to four courses, of which not more than three shall be unspecified courses,
- or towards the Honours degree for either—
- (i) any number of courses, which shall be specified courses, or
  - (ii) up to five courses, of which not more than three shall be unspecified courses,
- provided that the candidate is no longer counting the courses to be credited towards another degree or diploma.
- (b) A candidate who, as an undergraduate at a university other than the University of Sydney, has completed a course or courses acceptable to the Faculty may be given credit towards the Pass degree for either—
- (i) up to four courses, which shall be specified courses, or
  - (ii) up to four courses, of which not more than three shall be unspecified courses,
- or towards the Honours degree for either—
- (i) up to five courses, which shall be specified courses, or
  - (ii) up to five courses, of which not more than three shall be unspecified courses,
- provided that the candidate is no longer counting the courses to be credited towards another degree or diploma.
- (c) A candidate who has completed a course or courses towards an award accredited by the Australian Council on Awards in Advanced Education at an Australian tertiary institution other than a university, or at an institution deemed by the Faculty to be equivalent, may be given credit towards the Pass degree for either—
- (i) up to four courses, which shall be specified courses, or
  - (ii) up to four courses, of which not more than three shall be unspecified courses,
- or towards the Honours degree for either—
- (i) up to five courses, which shall be specified courses, or
  - (ii) up to five courses, of which not more than three shall be unspecified courses,
- provided that the candidate is no longer counting the courses to be credited towards that award.
- (d) A candidate who, with the prior approval of the Faculty, completes a course or courses at another university or at an appropriate institution, may be given credit towards the degree for up to

four courses in a subject area or areas available for the degree but not able to be attended by the candidate, provided that—

- (i) except with the specific approval of the Faculty, the candidate shall not complete any of the courses by external study,
  - (ii) the candidate may not count the courses so completed towards a degree at the other university or institution.
- (e) A candidate who, with the prior approval of the Faculty, completes a course or courses at another university or at an appropriate institution, may be given credit towards the degree for up to three courses in a subject area or areas not available in the University of Sydney, provided that —
- (i) except with the specific approval of the Faculty, the candidate shall not complete any of the courses by external study,
  - (ii) the candidate may not count the courses so completed towards a degree at the other university or institution.
- (2) (a) For the purposes of these Resolutions a specified course shall be equivalent to one of the courses listed in Resolution 16.
- (b) Any course credited as an unspecified course, or any course not available in the University of Sydney taken with the approval of the Faculty under Resolution 17(1)(d) or (e) above, shall be designated by the Faculty as falling within a particular year and subject area group.
- (3) A candidate granted credit under section 17(1)(a), (b) or (c) shall—
- (i) complete, in accordance with the requirements of these Resolutions but subject to section (5), courses considered by the Faculty to have been not already taken and
  - (ii) obtain the approval of the Faculty for the courses proposed to be completed for the degree.
- (4) Where a candidate is granted credit under Resolution 17(1)(a), (b) or (c) the Faculty will determine that the maximum time allowed for completion of the degree requirements under Resolution 15 be reduced by such period as the Faculty considers equivalent to the credit granted;
- (5) Credit will not be granted to a candidate on the basis of courses completed towards a degree or diploma ten or more years prior to the candidate enrolling for the degree or re-enrolling after a period of absence except where an extension of time has been granted under Resolution 15.
- 17A. A candidate holding a degree or diploma awarded by a University or other accredited tertiary institution may not be granted credit towards the degree on the basis of the qualification but may be granted exemption from certain antecedent or prerequisite courses by the Faculty in any sequence of courses within the degree on the recommendation of the head of the department concerned.

## Combined degrees

18. (1) Notwithstanding the provisions of Chapter XIXA of the By-laws and subject to these Resolutions a person may proceed concurrently as a candidate for the degrees of Bachelor of Arts and Bachelor of Laws and may count as qualifying courses for the degree of Bachelor of Arts each of the courses Legal Institutions, Public Law and Common Law (comprising Contracts and Torts as provided for in the Resolutions of the Senate relating to the degree of Bachelor of Laws) as a first year, a second year and a third year course respectively provided that such a candidate may not except with the permission of the Faculty enrol in more than four courses in one year.

(2) A candidate proceeding under section (1) above may with the permission of the Faculty complete fewer than five courses from the subject areas listed in groups I-III in Resolution 3.

19. (1) Subject to the provisions of Chapter XIXA of the By-laws and to these Resolutions, a person may proceed concurrently as a candidate for the degrees of Bachelor of Arts and Bachelor of Medicine and Bachelor of Surgery.

(2) A candidate proceeding under subsection (1) will qualify for the award of the degree of Bachelor of Arts upon completion of—

(a) the requirements for the degrees of Bachelor of Medicine and Bachelor of Surgery as prescribed in Chapter XII of the By-laws; and

(b) subject to subsection (3), six qualifying courses for the degree of Bachelor of Arts.

(3) The six qualifying courses for the degree of Bachelor of Arts referred to in subsection (2) above must—

(a) include at least five courses from the subject areas listed in groups I-III in Resolution 3 relating to the degree of Bachelor of Arts;

(b) include three first year courses, two second year courses and one third year course; and

(c) be completed prior to completion of requirements for the degrees of Bachelor of Medicine and Bachelor of Surgery.

(4) A candidate who has qualified for the award of the pass degree of Bachelor of Arts under subsection (1) may be permitted to enrol as a candidate for the Honours degree in accordance with Resolution 14.

20. (1) Notwithstanding the provisions of Chapter XIXA of the By-laws, a person may proceed concurrently as a candidate for the degrees of Bachelor of Arts and Bachelor of Social Work.

(2) A candidate proceeding under section (1) above will qualify for the award of the degree of Bachelor of Arts on completion of qualifying courses for that degree chosen as prescribed in Resolutions 11 and 12 of the Resolutions of the Senate relating to the degree of Bachelor of Social Work.

## MASTER OF ARTS (PASS)

In accordance with Chapter X Section 9 of the By-laws, the following Resolutions governing candidature for the degree of Master of Arts (Pass) have been prescribed by the Senate—

1. (1) A candidate for the degree of Master of Arts (Pass) shall proceed—

(a) primarily by research and thesis; or

(b) primarily by coursework.

(2) A candidate shall proceed either as a full-time candidate or as a part-time candidate and shall so advise the Faculty.

(3) A candidate who, before admission to candidature, has spent time in advanced study in the University of Sydney, or in another University, or in another institution whose courses may be deemed by the Faculty to be equivalent, may be deemed by the Faculty to have spent such time after admission to candidature.

(4) A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this probationary period the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

(5) In the case of a candidate accepted on a probationary basis under subsection (4), the candidature shall be deemed to have commenced from the date of such acceptance.

2. The degree may be taken in the following subject areas:—

- (i) Anthropology
- (ii) Applied Linguistics (Language in Education)
- (iii) Applied Mathematics
- (iv) Archaeology
- (v) Classics
- (vi) Computer Science
- (vii) Economic History
- (viii) Economics
- (ix) Education
- (x) English
- (xi) Fine Arts
- (xii) French Studies
- (xiii) Geography
- (xiv) Geomorphology
- (xv) German
- (xvi) Government
- (xvii) Greek
- (xviii) Historical Archaeology
- (xix) History
- (xx) Indonesian and Malayan Studies
- (xxi) Italian
- (xxii) Latin
- (xxiii) Linguistics
- (xxiv) Mathematical Statistics
- (xxv) Medieval Studies
- (xxvi) Modern Greek
- (xxvii) Music
- (xxviii) Oriental Studies
- (xxix) Philosophy
- (xxx) Psychology
- (xxxi) Pure Mathematics
- (xxxii) Religious Studies
- (xxxiii) Semitic Studies
- (xxxiv) Social Studies

3. A candidate who has completed the requirements but has not qualified for the award of the degree of Master of Arts (Honours) may be awarded the degree of Master of Arts (Pass).

4. A person who has been awarded the degree of Master of Education (Pass) shall not be awarded the degree of Master of Arts (Pass) in the subject area Education.

## Candidature primarily by research and thesis

5. The Faculty shall appoint, on the recommendation of the Head of the Department<sup>1</sup> concerned, a full-time member of the academic staff of the University to act as supervisor of each candidate.

X: ARTS:

SENATE RESOLUTIONS

<sup>1</sup> For the purpose of these Resolutions, the Chairman of any interdepartmental or interschool committee concerned shall be deemed to be the Head of Department concerned.

6. (1) A candidate proceeding primarily by research and thesis shall —
  - (a) complete such courses, if any, as may be prescribed by the Head of the Department concerned;
  - (b) carry out supervised research on a topic approved by the Faculty on the recommendation of the Head of Department concerned;
  - (c) write a thesis embodying the results of this research; and
  - (d) lodge with the Registrar three copies of this thesis, typewritten and bound.
- (2) The candidate shall state in the thesis the sources from which the information was derived, the extent to which the work of others has been used and the portion of the work claimed as original.
- (3) The thesis shall be accompanied by a statement from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
- (4) A candidate may not present as the thesis a work which has been presented for a degree in this or another university, but will not be precluded from incorporating such in the thesis provided that in presenting the thesis the candidate indicates the part of the work which has been so incorporated.
7. (1) A full-time candidate shall complete the requirements for the degree not earlier than the end of the third term of candidature and, except with the permission of the Faculty on the recommendation of the Head of Department concerned, not later than the end of the ninth term of candidature.
- (2) A part-time candidate shall complete the requirements for the degree not earlier than the end of the sixth term of candidature and, except with the permission of the Faculty on the recommendation of the Head of Department concerned, not later than the end of the 18th term of candidature.
8. (1) After the thesis has been lodged with the Registrar, the Faculty, on the recommendation of the Head of the Department concerned, shall appoint at least two examiners of the thesis.
- (2) The reports of the examiners shall be transmitted to the Head of Department who shall make them available to the Professor most concerned and the supervisor.
- (3) The Head of Department shall transmit these reports to the Faculty together with a recommendation concerning the award of the degree and the Faculty shall determine the result of the candidature.
- (4) In special cases the Faculty, on the recommendation of the Head of Department concerned, may require the candidate to take a further examination in the area of the thesis.
- (5) The Faculty may permit an unsuccessful candidate to revise and resubmit the thesis if, in the opinion of the Head of Department concerned, the candidate's work is of sufficient merit to warrant this concession, and may prescribe special conditions to be fulfilled by the candidate.

#### **Candidature primarily by coursework**

9. (1) A candidate proceeding primarily by coursework shall over a period of not less than one year of full-time study or two years of part-time study —

- (a) complete such courses as may be prescribed by the Faculty, on the recommendation of the Head of Department concerned; and
- (b) complete such essay or other written work as may be prescribed by the Faculty on the recommendation of the Head of Department concerned.
- (2) The Head of Department concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the result of the candidature.
10. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of Department concerned, complete the requirements for the degree —
  - (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
  - (b) if a part-time candidate by no later than the end of the 18th term of candidature.

#### **Satisfactory progress**

11. The Faculty may —
  - (a) on the recommendation of the Head of the Department concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree; and
  - (b) where, in the opinion of the Faculty, the candidature does not show good cause, terminate the candidature.

#### **MASTER OF ARTS (HONOURS)**

In accordance with Section 13 of Chapter X of the By-laws, the following Resolutions governing candidature for the degree of Master of Arts (Honours) have been prescribed by the Senate —

1. (1) A candidate for the degree of Master of Arts (Honours) shall proceed —
  - (a) primarily by research and thesis; or
  - (b) primarily by coursework.
- (2) A candidate shall proceed either as a full-time candidate or as a part-time candidate and shall so advise the Faculty.
- (3) A candidate who, before admission to candidature, has spent time in advanced study in the University of Sydney, or in another University, or in another institution whose courses may be deemed by the Faculty to be equivalent, may be deemed by the Faculty to have spent such time after admission to candidature.
- (4) A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this probationary period the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.
- (5) In the case of a candidate accepted on a probationary basis under subsection (4), the candidature shall be deemed to have commenced from the date of such acceptance.
2. The degree may be taken in the following subject areas:—
  - (i) Anthropology
  - (ii) Applied Linguistics (Language in Education)
  - (iii) Applied Mathematics
  - (iv) Archaeology
  - (v) Classics
  - (vi) Computer Science
  - (vii) Economic History

- (viii) Economics
- (ix) Education
- (x) English
- (xi) Fine Arts
- (xii) French Studies
- (xiii) Geography
- (xiv) Geomorphology
- (xv) German
- (xvi) Government
- (xvii) Greek
- (xviii) Historical Archaeology
- (xix) History
- (xx) Indonesian and Malayan Studies
- (xxi) Italian
- (xxii) Latin
- (xxiii) Linguistics
- (xxiv) Mathematical Statistics
- (xxv) Medieval Studies
- (xxvi) Modern Greek
- (xxvii) Music
- (xxviii) Oriental Studies
- (xxix) Philosophy
- (xxx) Psychology
- (xxxi) Pure Mathematics
- (xxxii) Religious Studies
- (xxxiii) Semitic Studies
- (xxxiv) Social Studies

3. A candidate who has completed the requirements but has not qualified for the award of the degree of Master of Arts (Honours) may be awarded the degree of Master of Arts (Pass).

4. A person who has been awarded the degree of Master of Education (Honours) shall not be awarded the degree of Master of Arts (Honours) in the subject area Education.

#### **Candidature primarily by research and thesis**

5. The Faculty shall appoint, on the recommendation of the Head of the Department<sup>1</sup> concerned, a full-time member of the academic staff of the University to act as supervisor of each candidate.

6. (1) A candidate proceeding primarily by research and thesis shall —

- (a) complete such courses, if any, as prescribed by the Head of the Department concerned;
- (b) carry out supervised research on a topic approved by the Faculty on the recommendation of the Head of Department concerned;
- (c) write a thesis embodying the results of this research; and
- (d) lodge with the Registrar three copies of this thesis, typewritten and bound.

(2) The candidate shall state in the thesis the sources from which the information was derived, the extent to which the work of others has been used and the portion of the work claimed as original.

(3) The thesis shall be accompanied by a statement from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.

(4) A candidate may not present as the thesis a work which has been presented for a degree in this or another university, but will not be precluded from incorporating such in the thesis provided that in presenting the thesis the candidate indicates the part of the work which has been so incorporated.

(5) A candidate may include in a thesis published papers of which the candidate is the sole author, provided that —

- (i) the papers are based on work undertaken during the candidature for the degree;
- (ii) the papers are identified as published work; and
- (iii) the papers are compatible with the overall coherence and organisation of text of the thesis.

Any other papers of which the candidate is sole or joint author may be lodged in support of the thesis.

7. (1) A full-time candidate shall complete the requirements for the degree not earlier than the end of the third term of candidature and, except with the permission of the Faculty on the recommendation of the Head of Department concerned, not later than the end of the ninth term of candidature.

(2) A part-time candidate shall complete the requirements for the degree not earlier than the end of the sixth term of candidature and, except with the permission of the Faculty on the recommendation of the Head of Department concerned, not later than the end of the 18th term of candidature.

8. (1) After the thesis has been lodged with the Registrar, the Faculty, on the recommendation of the Head of the Department concerned, shall appoint at least two examiners of the thesis of whom one shall normally be external.

(2) The reports of the examiners shall be transmitted to the Head of Department who shall make them available to the Professor most concerned and the supervisor.

(3) The Head of Department shall transmit these reports to the Faculty together with a recommendation concerning the award of the degree and the Faculty shall determine the result of the candidature.

(4) In special cases the Faculty, on the recommendation of the Head of Department concerned, may require the candidate to take a further examination in the area of the thesis.

(5) The Faculty may permit an unsuccessful candidate to revise and resubmit the thesis if, in the opinion of the Head of Department concerned, the candidate's work is of sufficient merit to warrant this concession, and may prescribe special conditions to be fulfilled by the candidate, but such a candidate shall not be awarded the degree with first class honours.

#### **Candidature primarily by coursework**

9. (1) A candidate proceeding primarily by coursework shall over a period of not less than one year of full-time study or two years of part-time study —

- (a) complete such courses as may be prescribed by the Faculty, on the recommendation of the Head of Department concerned; and
- (b) complete such essay or other written work as may be prescribed by the Faculty on the recommendation of the Head of the Department concerned.

(2) The Head of the Department concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the result of the candidature.

<sup>1</sup> For the purpose of these Resolutions, the Chairman of any interdepartmental or interschool committee concerned shall be deemed to be the Head of Department concerned.

10. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of Department concerned, complete all the requirements of the degree —

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
- (b) if a part-time candidate by no later than the end of the 18th term of candidature.

**Satisfactory progress**

11. The Faculty may —

- (a) on the recommendation of the Head of the Department concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree; and
- (b) where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

**MASTER OF PSYCHOLOGY**

In accordance with Chapter X, section 19 of the By-laws, the following Resolutions governing candidature for the degree of Master of Psychology have been prescribed by the Senate:

A candidate for the degree of Master of Psychology shall—

- (a) complete such courses of study and pass such examinations in each course as the Faculty, on the recommendation of the Head of the Department of Psychology with the approval of the Board of Studies for the degree of Master of Psychology, shall prescribe; and
- (b) complete such practical and written work as the Faculty, on the recommendation of the Head of the Department of Psychology with the approval of the Board of Studies for the degree of Master of Psychology, shall prescribe.

**BOARD OF STUDIES FOR THE DEGREE OF MASTER OF PSYCHOLOGY**

In accordance with section 15(3)(e) of Chapter X of the By-laws the following resolutions governing student membership of the Board of Studies for the degree of Master of Psychology have been prescribed by the Senate:

1. There shall be two student members of the Board of Studies for the degree of Master of Psychology, namely—
  - (a) one candidate for the degree of Master of Psychology enrolled in Part I of the course, and
  - (b) one candidate for the degree of Master of Psychology enrolled in Part II of the course.
2. The Head of the Department of Psychology shall, before the end of March in each year, convene separate meetings of the candidates for the degree who are enrolled in Parts I and II of the course and the candidates present at each such meeting shall elect from amongst themselves a member of the Board of Studies to hold office, provided that they are still enrolled as candidates for the degree, until the next such meeting is convened.

**DIPLOMA IN THE TEACHING OF ENGLISH AS A FOREIGN LANGUAGE**

As from 1986 this Diploma is under the supervision of the Faculty of Education.

**DIPLOMA IN MUSEUM STUDIES**

In accordance with Chapter X, section 38, of the By-laws the following Resolutions governing candidature for the Diploma in Museum Studies have been prescribed by the Senate:

1. A candidate for the Diploma in Museum Studies shall enrol in accordance with the procedures prescribed by the Board of Studies.
2. Candidates shall complete courses in: history of museums, administration and organisation of museums, collections and exhibitions, buildings and equipment, museum activities, the museum application of a special subject (anthropology, archaeology, earth sciences, education, local history, natural sciences and visual arts).
3. Except with the permission of the Faculty of Arts on the recommendation of the Board of Studies, the requirements for the diploma shall be completed in one year of full-time study.
4. The Diploma in Museum Studies shall be awarded in two grades namely Pass, and, in the case of an outstanding candidate, Pass with Merit.

**RESOLUTIONS OF THE FACULTY**

**MASTER OF ARTS**

The By-laws covering the award of the degree of Master of Arts may be found in Chapter X, sections 6 to 14.

Candidates will be allowed considerable freedom of choice in regard to the details of their work, but in every case their proposed study programme including the subject of their thesis or essay if appropriate must be submitted for approval to the Head of the School concerned. Three copies of the thesis or essay are required generally but the Head of the Department may require additional copies to be presented.

The following are the requirements in respect of each of the particular schools in which the degree is available.

**(i) Greek**

*Master of Arts (Honours)*

Candidates for the MA(Hons) degree must have obtained the BA degree with Honours in Greek or have been admitted to candidature by the Faculty after gaining the MA(Pass) degree in Greek. (In the latter case candidates will normally be admitted only if the degree has been awarded with merit.) They are required (i) to present a thesis upon some subject connected with Greek studies and approved by the Head of the Department, and (ii) to take an examination in one of the following branches of Greek studies:

- (a) Language
- (b) Literature
- (c) Philosophy
- (d) History
- (e) Art and Archaeology

The detailed work required of candidates in each of the above options will be arranged in consultation with the Department when application is made for admission to candidature.

*Master of Arts (Pass)*

Candidates for the MA(Pass) degree must have graduated with at least a pass in Greek III. They are required (i) to present a brief thesis on some subject connected with Greek studies and approved by the Head of the Department, and (ii) to offer themselves for further examination in at least two of the following branches of Greek studies:



- (a) Language
- (b) Literature
- (c) Thought
- (d) History

The detailed work required of candidates in each of the above options will be arranged in consultation with the Department when application is made for admission to candidature.

## (ii) Latin

### *Master of Arts (Honours)*

Candidates for the MA(Hons) degree must *either* have obtained Honours at graduation in Latin *or* have been admitted to candidature by the Faculty after gaining the MA (Pass) degree in Latin. (In such cases the Faculty will normally admit only candidates who have been awarded this degree with merit.) Candidates are required (i) to present a thesis upon some subject connected with Latin studies, and (ii) to take an examination in one or more of the following subjects.

- (a) Latin literature
- (b) Roman history
- (c) The Latin language

provided that a candidate who has taken a BA degree with First or Second Class Honours in Latin may, with the approval of the Head of the Department, be tested for the MA degree by thesis only.

The detailed work required of candidates in each of the above options will be prescribed by the Department when application is made for admission as a candidate for the MA degree.

### *Master of Arts (Pass)*

Candidates for the MA(Pass) degree in Latin are required either—

- (A) (1) to attend for at least two years seminar classes in which an intensive study of the works of the major Latin authors will be made;
- (2) to submit such essays as may be requested;
- (3) to present themselves for further examination in Roman history and Latin literature. Such examinations will normally consist of eight papers and will be taken in two annual parts; *or*
- (B) (1) to present a brief thesis upon some subject connected with Latin studies, and—
- (2) to offer themselves for further examination in Roman history, literature and thought.

Details of these courses should be arranged in consultation with the Professor of Latin when application is made to be admitted to candidature for the MA degree.

Details of MA Seminar courses for the current academic year may be obtained from the Department.

## (iii) Classics

### *Master of Arts (Honours)*

Candidates for the MA(Hons) degree must have *either* (i) graduated with Honours in Classics *or* (ii) graduated with Honours in Greek or Latin and completed the third year of the Honours course in the other subject *or* (iii) been admitted to candidature by the Faculty after gaining the MA(Pass) degree in Classics. (In such cases the Faculty will normally admit only candidates who have been awarded this degree with merit.) Candidates are required (i) to present a thesis on some aspect of classical scholarship, the subject to be approved by the Heads of the Departments of Greek and

Latin and (ii) to take an examination in one of the following branches of Greek and Latin learning:

- (a) Literature
- (b) History
- (c) Arts and Archaeology
- (d) Language
- (e) Thought

The detailed work required of candidates in each of the above options will be prescribed by the Departments when application is made for admission.

### *Master of Arts (Pass)*

Candidates for the MA(Pass) degree in Classics must have graduated with at least a pass in both Greek III and Latin III. Such candidates will be required (i) to present a brief thesis on some subject connected with the study of both Greek and Latin and approved by the Heads of both Departments and (ii) to offer themselves for further examination in Greek and Latin history, literature and thought.

Details of these courses should be arranged in consultation with the Departments when application is made for admission to candidature for the MA degree.

## (iv) English

Candidates for either the MA(Pass) degree or the MA(Hons) degree in English, may undertake courses in any of the following fields under the direction of the appropriate Professor: English Literature, Early English Literature and Language, Australian Literature.

Every candidate for an MA degree must consult the appropriate professor before enrolling in order to discuss his proposed study programme and to obtain approval of it.

### *Master of Arts (Honours)*

Candidates for the MA(Hons) degree must have been awarded Honours in English for the BA degree, or have equivalent qualifications, or make up their deficiency in such a manner and to such an extent as the appropriate professor may prescribe.

Candidates who have already been awarded the MA(Pass) degree with Merit may apply for admission to candidature for the MA(Hons) degree. Such candidates may be required to take further courses, including IV Honours BA courses, as prescribed by the appropriate professor, either before admission or during their first year of MA(Hons) candidature.

Candidates may proceed to the degree in either of two ways: principally by coursework, or principally by thesis.

#### (a) *MA(Hons) by coursework*

Candidates for the MA(Hons) degree by coursework will be required over a period of at least two years of full-time or three years of part-time study to attend courses in four approved areas of study and to pass an examination in each of these areas. The examination in the fourth area will be in the form of a long essay.

#### (b) *MA(Hons) by thesis*

Candidates for the MA(Hons) degree by thesis will be required to present a thesis on a subject approved by the appropriate professor and prepared under such supervision as he shall prescribe. Candidates may also be required to take some preliminary coursework.

### *Master of Arts (Pass)*

Candidates for the MA(Pass) degree must, except in

special cases, have passed in three courses in English (which includes for this purpose Australian Literature) for the BA degree, or have equivalent qualifications, or have given such other evidence of preliminary studies as the appropriate professor may require.

Candidates are required:

- (a) to attend courses in two approved areas of study and pass an examination in these areas of study; and subsequently
- (b) either, to submit a thesis on a subject approved by the appropriate professor and prepared under such supervision as he shall prescribe, or, with the special approval of the appropriate professor, to attend further courses upon and pass an examination in such further areas of study, and present such essay work, as the appropriate professor shall prescribe.

Except with the permission of the appropriate professor the work under (b) above must be completed within three years from the time of passing the examination under (a).

#### (v) French

An information booklet on postgraduate studies in French is available from the secretary of the department (Brennan Building, room 687; phone 692 2381). Prospective candidates should discuss their plans with the Postgraduate Co-ordinator, Dr Gay McAuley (692 3378), before beginning the formal enrolment procedures.

The department offers annually at least four seminars<sup>1</sup> chosen from the following fields:

- Literary theory and bibliography
- Medieval French language and literature
- Modern French literature, theatre and film
- Linguistics and applied linguistics in relation to French
- The teaching of French at secondary school.

#### *Master of Arts (Honours)*

*Honours by thesis.* The Honours degree is awarded by thesis, or by coursework (with minor thesis). Candidates for the Honours degree by thesis must:

- (a) submit a thesis in French on a subject approved by the Head of the Department; and
- (b) attend such seminars as may be prescribed by the Head of the Department, or pass an examination on their subject matter.

In special circumstances, the thesis may be written in English, provided that the Head of the Department is satisfied that the candidate is otherwise competent in French.

*Honours by coursework.* Candidates for the Honours degree by coursework must:

- (a) attend two *research seminars* chosen from those offered annually by the Department, and contribute an average of two papers per term to each seminar, these papers to be lodged for examination at the end of the year. The maximum mark allotted for this section of the course will be 60 per cent. Full-time students will be expected to attend these seminars concurrently;

- (b) choose a suitable field of *reading* in either French language or French literature, and draw up a critical bibliography on it, under the guidance of a member of staff appointed to supervise them. The maximum mark allotted for this section of the course will be 20 per cent;

- (c) submit a short thesis in French of 15 000 to 20 000 words on a topic related to the course of reading chosen in (b) above. The maximum mark allotted for the thesis will be 20 per cent.

In special circumstances, the thesis may be written in English, provided the Head of the Department is satisfied that the candidate is otherwise competent in French.

Except with the permission of the Head of the Department, the requirements for the Honours degree (whether by thesis or by coursework) must be completed within 3 years from time of first enrolment by full-time students, and within 6 years from time of first enrolment by part-time students.

#### *Master of Arts (Pass)*

Candidates for the MA(Pass) degree must, in addition to completing such preliminary coursework (including examinations) as may be prescribed by the head of department and a practical language course—

- (a) participate in two seminars selected with the approval of the head of department and submit a dissertation, normally to be written in French, on an approved topic.

OR

- (b) participate in four seminars selected with the approval of the head of department.

*Note:* With the permission of the Head of the Department candidates taking either of the above course patterns may replace *one* seminar by a critical translation. (For details concerning requirements for the critical translation, consult the departmental *Graduate Studies* booklet.)

Except with the permission of the Head of the Department, the requirements for the degree must be completed in 2 years by full-time students, and within 4 years from time of first enrolment by part-time students.

*Supervision.* All dissertation, translation and bibliographical work (for the MA(Pass) degree) and the preparation of the thesis and bibliography (for the MA(Hons) degree) will be closely supervised. Topics of an interdisciplinary kind will be accepted if suitable joint supervision can be arranged.

*Seminars for this year:* Topics and reading lists will be available from the Department at the beginning of Lent Term.

#### (vi) German

The MA degree in German is available at both Honours and Pass levels. Full details may be obtained from the Head of Department.

#### *Master of Arts (Honours)*

A candidate for the MA(Hons) degree must have obtained Honours at the BA examinations or have equivalent qualifications.

Candidates for the Honours degree have their work prescribed for them on an individual basis, according to their interest and their class of Honours at the Bachelor's degree and according to whether they are part-time or full-time students. At present all candidates for the MA(Hons) degree are required to present a

<sup>1</sup> In certain circumstances, seminars may be offered in co-operation with the School of French of the University of New South Wales and the School of Modern Languages of Macquarie University. With the approval of the Head of the Department of French, a suitable seminar offered by another Department in the Faculty may be substituted, by arrangement with that Department, for one of those offered by the Department of French Studies.

thesis on an approved topic and to undertake such coursework or supplementary reading as is prescribed in individual cases.

#### *Master of Arts (Pass)*

Candidates for the MA(Pass) degree must be graduates who have successfully completed three undergraduate courses in German, or must hold equivalent qualifications.

All candidates will follow a language course (written and oral) for the equivalent of one hour per week for one year. In addition, they will choose one of the following alternatives:

- (a) three options, each being equivalent to one hour per week for one year; or
- (b) two such options, and a long essay of circa 15 000 words; this essay must be submitted within two years of the commencement of the course, otherwise the candidate may be required to revert to alternative (a).

Each option will normally be assessed by two essays of circa 4 500 words each, and by a formal end-of-year examination.

The programme of special MA(Pass) options may in some circumstances be complemented or replaced by options from the undergraduate programme.

#### **(vii) Italian**

##### *Master of Arts (Coursework and Thesis)*

There are two such Master of Arts courses in Italian, the Master of Arts in *Italian Language*, offered at the Pass level, and the Master of Arts (Honours and Pass) in *Italian Renaissance Studies*.

##### *Master of Arts (Pass) in Italian Language*

Candidates for the MA (Pass) degree must have graduated with a satisfactory mark in Italian III Pass, or an equivalent University course. Candidates who do not meet this requirement may be admitted in special circumstances on application to the Head of Department.

Candidates are required to participate in a weekly 2½-hour seminar for 5 consecutive terms (3 in their first year, and 2 in their second year), and to complete an extended essay (8000 words) on an approved topic during third term of the second year.

The programme of seminars covers a review of syntactic structures, linguistic theory and analysis, and language and society in contemporary Italy. Each area is treated with both theoretical and practical aspects. A list of seminar titles may be obtained from the Head of Department.

##### *MA (Pass) and MA (Honours) in Italian Renaissance Studies*

*Master of Arts (Pass).* Candidates for the MA (Pass) degree in Italian Renaissance Studies should hold the BA (Pass) degree with a Renaissance specialisation in Fine Arts or Italian or History, together with a sound reading knowledge of Italian. Applicants with other Renaissance specialisations in fields such as Music or Drama or Architecture may also be considered. All intending candidates will be required to pass a reading-comprehension test in Italian, and should consult the co-ordinators before enrolling.

The course is offered over two years. Candidates will be required:

- (i) to attend one two-hour seminar each week for three semesters (a semester is 13 weeks);
- (ii) to complete a take-home examination after Semester I;

(iii) to present two seminar papers for each of Semester II and Semester III;

(iv) to present at the end of Semester IV a long essay (10 000 words) on a topic determined in consultation with the co-ordinators.

The semester-units offered are:

- A. Historiography and Methodology (compulsory)
- B. Rome
- C. Venice
- D. Florence
- E. Ferrara

The compulsory unit will be offered every second year, the remaining four in rotation, according to the availability of staff.

*Master of Arts (Honours).* Candidates for the MA (Hons) in Italian Renaissance Studies should hold the degree of BA (Hons) with a Renaissance specialisation in Fine Arts or Italian or History, together with a sound reading knowledge of Italian. All intending candidates will be required to pass a reading-comprehension test in Italian, and should consult the co-ordinators before enrolling.

In addition to satisfying at *honours standard* requirements (i)–(iii) of the MA (Pass) course, candidates for the MA (Honours) will be required to present a thesis (25 000 words) on a topic determined in consultation with the co-ordinators. A complete programme of seminars may be obtained from the Secretary to the Arts Faculty.

##### *Master of Arts (Thesis only)*

The degree of Master of Arts in Italian is available at both Honours and Pass levels. In addition to the Master of Arts programmes by *both* coursework and thesis described above, there exists a thesis-only requirement for candidates who wish to pursue either Master of Arts (Honours) or Master of Arts (Pass). A candidate for the Master of Arts (Honours) degree must have obtained honours at the Bachelor level or have equivalent qualifications, while candidates for the Master of Arts (Pass) will be required to have reached a satisfactory level in Italian III or its equivalent, to be determined by the Head of Department, in their Bachelor's degree. All prospective candidates are advised to consult the Head of Department for fuller details on the Master of Arts (Honours and Pass) by thesis only. Candidates for the degree have their work prescribed for them on an individual basis, according to their interest and the staff resources of the Italian department.

#### **(viii) History**

The MA degree in History is available at both Pass and Honours levels. Candidates for the MA(Pass) degree must have completed three undergraduate courses in History or have equivalent qualifications. Candidates for the MA(Hons) degree must have been awarded Honours in History for the BA degree, or have qualified for the MA(Pass) degree with Merit, or have equivalent qualifications. In special cases candidates who hold the BAPass degree may be permitted to undertake qualifying work for admission to Honours candidature.

##### *Master of Arts (Honours)*

Candidates for the Honours degree have their work prescribed for them on an individual basis, according to their interest and their class of Honours at the Bachelor's degree and according to whether they are part-time or full-time students. At present all candidates for the MA(Hons) degree are required to present a

thesis on an approved topic and to undertake such coursework or supplementary reading as is prescribed in individual cases.

**Master of Arts (Pass)**

Candidates for the Pass degree normally proceed by coursework only, or in cases approved by the Professors of History, by coursework and thesis or by thesis and other prescribed study.

The requirements for the degree may be ascertained from the Department, which has available an announcement on *Postgraduate Studies in History*.

**(ix) Philosophy<sup>1</sup>**

The MA degrees may be taken in Philosophy in either the Department of General Philosophy or the Department of Traditional and Modern Philosophy. Applicants for admission to candidature should indicate on their application forms the Department in which they wish to proceed. The Resolutions of the Faculty providing for candidature for the MA degrees in Philosophy are as follows:

**Master of Arts (Pass)**

Candidates must hold a BA degree with a major in Philosophy, or equivalent.

Candidates may proceed mainly by coursework or mainly by thesis.

*By thesis:* Candidates in the Department of General Philosophy may be requested to undertake preliminary work before they undertake their thesis. Candidates in the Department of Traditional and Modern Philosophy take two courses from among those available in Philosophy IV.

A member of staff will act as supervisor for their thesis.

*By coursework:* Candidates are required to complete six half-year courses or their equivalent. In the Department of Traditional and Modern Philosophy these courses are to be chosen from those available in Philosophy IV and must be completed within 4 years. In addition, candidates are required to submit a dissertation of approximately 10 000 words. A member of staff will act as supervisor for the dissertation.

The selection of courses and topics for thesis or dissertation must be approved by the Head of the Department.

**Master of Arts (Honours)**

Candidates must hold a BA Honours degree in Philosophy, or equivalent. They may proceed to the degree either mainly by thesis or mainly by coursework.

*By thesis:* Candidates are required to complete, (normally in the first half-year of their candidature), the equivalent of three half-year postgraduate courses before they commence work on their thesis.

*By coursework:* Candidates are required to complete (normally in the first one and a half years of their candidature) the equivalent of nine half-year postgraduate courses, and then to submit a short dissertation.

Satisfactory completion of a half-year postgraduate course involves attendance at seminars and the writing of an essay on a topic related to the course. A full-time member of staff will act as supervisor for theses and dissertations.

The selection of courses and choice of topic for thesis or dissertation must be approved by the Head of the Department.

Suitable courses in the following fields will usually (though not always) be available:

Metaphysics  
Logic  
Philosophical Logic  
Philosophy of Mathematics  
Epistemology  
Ethics  
Political Philosophy  
Social Philosophy  
Philosophy of Language  
Philosophy of Science  
Philosophical Linguistics  
History of Philosophy

**(x) Government**

Candidates for the MA(Pass) degree shall have completed three undergraduate pass courses in Government, or produce evidence of having done equivalent work. Applicants not so qualified may in some cases be permitted to qualify for admission by completing further undergraduate courses in the Department. Candidates for the MA(Hons) degree will be expected to have graduated in Government with First or Upper Second Class Honours, or their equivalent. Occasionally students with Honours in other subjects or with Pass degrees in Government may be permitted to qualify for admission by completing appropriate undergraduate Honours courses.

Full-time students for either degree may be permitted to complete within one year but are normally advised to take two years. Except with the permission of the Head of the Department, requirements for the degree must be completed in not more than four years from the date of first enrolment.

Candidates for either degree will normally be required to complete at least two courses, taken in the first year. Candidates for an Honours degree will also write a thesis of about 45 000 words based on independent research carried out under the supervision of a member of staff. In the later stages of their course, they will also be expected to attend and contribute papers to a Work in Progress colloquium. In consultation with their supervisors, candidates for the Pass degree will complete their requirements in one of the following ways:

- (i) they may write a thesis of about 45 000 words, or
- (ii) they may complete one further course and write a thesis of about 30 000 words, or
- (iii) they may complete two further courses and write a research essay of about 15 000 words.

Before making formal application, candidates should, if possible, discuss their plans with the Director of Postgraduate Studies or Head of Department.

**(xi) Psychology**

**Master of Arts (Honours)**

Candidates for the MA(Hons) degree are required to write a thesis incorporating the results of independent research carried out under the supervision of a designated member of staff, attend seminars conducted within the Department, and to sit for written examinations or their equivalent in three approved fields of psychology.

**Master of Arts (Pass)**

Candidates for the MA (Pass) degree may proceed either by Plan A (mainly research) or by Plan B (mainly coursework).

<sup>1</sup> Faculty Resolutions under review. For information contact the Department of Philosophy.

Plan A candidates are required to write a thesis incorporating the results of independent research carried out under the supervision of a member of staff, and sit for written examinations or their equivalent in two approved fields of psychology.

Candidates may submit their thesis at any time during the year and are required to take all of their written examinations at the first November session after submission.

Plan B candidates are required to:

- (i) write a research report embodying the results of an empirical research project; and
- (ii) complete courses (two compulsory, two elective) in four areas of psychology and pass an examination in each of these areas. The compulsory courses are psychological theory and psychological research; the elective courses available usually include such topics as abnormal psychology, social psychology, theoretical foundations of clinical psychology, educational counselling.

Plan B candidature may be undertaken either full-time (normally three academic terms) or part-time (normally six academic terms). Full-time candidates will sit for the four written examinations and submit a research report during the November examination period of their first year of candidature. Part-time candidates will sit for written examinations in the two compulsory courses and submit a research report in the November examination period of their first year of candidature, and sit for written examinations in the two elective courses in the November examination period of the second year of candidature.

Candidature will be terminated if either of the core courses is failed, or if both elective courses are failed. In the event of failing only one elective course and/or the research report, candidates may be permitted to repeat the failed component of the course.

#### (xii) Education

Candidates for the MA(Pass) degree in Education must have completed a sequence of undergraduate courses culminating in Education III. Candidates for the MA(Hons) degree must have obtained Honours in Education at the BA examinations or must produce evidence of having done equivalent work.

#### *Master of Arts (Honours)*

Candidates for the MA(Hons) degree will be required—

- (i) to submit a thesis embodying the results of original investigation in a subject approved by the Head of the Department of Education

and normally

- (ii) to complete two full year courses or their equivalent by attendance at seminars in the Department.

Candidates may in appropriate circumstances be exempted from all or part of (ii) by the Head of the Department of Education or may be permitted without attendance at seminars to complete an approved programme of reading and examinations on this reading for not more than half the coursework requirements.

#### *Master of Arts (Pass)*

Candidates for the MA(Pass) degree proceeding primarily by research and thesis will be required—

- (i) to submit a thesis embodying the results of original investigation in a subject ap-

proved by the Head of the Department of Education

and

- (ii) to complete two full year courses or their equivalent by attendance at seminars in the Department of Education.

Candidates for the MA(Pass) degree proceeding primarily by coursework will be required—

- (i) to complete three full year courses or their equivalent by attendance at seminars in the Department of Education and to submit a substantial essay on a topic approved by the Head of the Department of Education

or

- (ii) to complete four full year courses or their equivalent by attendance at seminars in the Department of Education.

Candidates may in appropriate circumstances be permitted by the Head of the Department of Education without attendance at seminars to complete an approved programme of reading and examinations on this reading for not more than half the coursework requirements.

Except with the permission of the Head of the Department of Education a part-time candidate shall complete the requirements for the degree not later than the end of the twelfth term of candidature.

#### (xiii) Economics

All candidates will attend lectures and seminars as prescribed by the Head of the Department, and will be required to present themselves for associated examinations unless permitted to proceed by thesis only.

Candidates who have graduated in this University with first or second class Honours in Economics may, with the approval of the Head of the Department, proceed by thesis only, but may nevertheless be required to attend lectures and seminars.

Candidates who have graduated with first or second class Honours, or who satisfy the Head of the Department that they have done equivalent work, may elect to proceed as candidates for the MA(Hons) degree.

Candidates for the MA(Pass) degree must have completed Economics I, II and III or have done equivalent work and may proceed to the degree by coursework and thesis.

Before making any formal application, candidates should discuss their plans with the Professor of Economics.

#### (xiv) Economic History

Unless permitted to proceed by thesis only, all students whether candidates for an MA(Pass) or an MA(Hons) degree will be required, in addition to writing a thesis, to attend lectures and participate in seminars, including the preparation of seminar papers. The candidate's results will depend partly on his performance in examinations associated with this coursework, partly on the quality of his thesis.

Proposals for a thesis may be discussed with any member of the department but when the candidate is ready to seek formal approval, which should be in the first term of his candidature, an application must be submitted to the head of the department.

#### (xv) Anthropology

Candidates may elect to do research, or may offer themselves for examination, in one or more of the following subjects:

- (i) Social anthropology and sociology
- (ii) Linguistics
- (iii) Prehistory and material culture

Candidates for the MA(Pass) degree must have completed Anthropology I, II and III<sup>1</sup> as qualifying courses in their BA degree, or produce evidence of having done equivalent work. They are required to present a thesis on a subject approved by the Professor of Anthropology. They also take an examination of two papers. Candidates who obtained Honours in their BA degree course may be exempted from this examination.

Candidates for the MA(Hons) degree must have obtained Honours in Anthropology in their BA degree course, or produce evidence of having done equivalent work. They are normally required to attend post-graduate seminars and present a thesis on a subject approved by the Professor of Anthropology embodying the results of their own researches.

#### (xvi) Geography

The MA degree in Geography may be taken at either the Pass or the Honours standard. Candidates for the Honours degree must have obtained Honours in Geography at the BA degree examination, or must produce evidence of having done work equivalent to that required for the BA degree with Honours in Geography.

##### *Thesis or coursework*

All candidates must propose a thesis topic or plan of coursework to the Head of the Department, who will consider it in relation to other research. Candidates may discuss choice of topic or plan with any member of the Department of Geography.

Theses must embody original research. Wherever possible, arrangements will be made for each candidate to receive assistance in preparing his thesis from some member of the Department of Geography. Coursework will be arranged to meet individual needs and will include the writing of an extended essay.

##### *Examination*

###### (i) Honours

Candidates who graduated in this University with honours at the end of a four-year course are required to submit a thesis and to undertake coursework as required, and to present themselves for such examination as may be prescribed. Normally this examination will consist of one paper, set on topics cognate to a candidate's thesis, and taken at the time the thesis is presented, or of a considerably fuller examination upon coursework.

Candidates who have not graduated with Honours, or who are not graduates of this University, should consult the Head of the Department.

###### (ii) Pass

Candidates for the MA(Pass) degree are required:

- (a) to submit a thesis or to undertake coursework;
- (b) to present themselves for a prescribed examination at the time that the thesis is presented or the coursework is completed;
- (c) either to complete one or more qualifying courses, or to prepare for a special examination.

Qualifying courses consist in undergraduate courses, which must be completed *in one year* in re-

spect of attendance at lectures, execution of class assignments, and pass at the ordinary annual examination. Such courses will be prescribed for particular candidates by the Department. Special examinations on approved topics provide for (1) candidates unable to attend lectures, (2) candidates who do not pass qualifying courses at the first attempt.

Candidates for the Pass degree who are not graduates of this University should consult the Head of the Department.

#### (xvii) Geomorphology

Candidates for the MA degree may elect, subject to the direction of the Department of Geography and the permission of the Faculty, to proceed either to the Honours or to the Pass degree.

##### *Thesis or coursework*

All candidates must propose a thesis topic or plan of coursework to the Head of the Department of Geography, who will consider it in relation to other research. Candidates may discuss choice of topic or plan with any member of the Department of Geography.

Theses must embody original research. Wherever possible, arrangements will be made for each candidate to receive assistance in preparing his thesis from some member of the Department of Geography. Coursework will be arranged to meet individual needs, and will include the writing of an extended essay.

##### *Examination*

###### (i) Honours

Candidates who graduated in this University with honours at the end of a four-year course are required to submit a thesis and to undertake coursework as required, and to present themselves for such examination as may be prescribed. Normally this examination will consist of one paper, set on topics cognate to a candidate's thesis, and taken at the time that the thesis is presented, or of a considerably fuller examination upon coursework.

Candidates who have not graduated with Honours, or who are not graduates of this University, should consult the Head of the Department of Geography.

###### (ii) Pass

Candidates for the MA(Pass) degree are required:

- (a) to submit a thesis or to undertake coursework;
- (b) to present themselves for a prescribed examination at the time that the thesis is presented or the coursework is completed;
- (c) either to complete one or more qualifying courses, or to prepare for a special examination.

Qualifying courses consist in undergraduate courses, which must be completed *in one year* in respect of attendance at lectures, execution of class assignments, and pass at the ordinary annual examination. Such courses will be prescribed for particular candidates by the Department. Special examinations on approved topics provide for (1) candidates unable to attend lectures, (2) candidates who do not pass qualifying courses at the first attempt.

Candidates for the Pass degree who are not graduates of this University should consult the Head of the Department of Geography.

#### (xviii) Indonesian and Malaysian Studies

The MA degree in Indonesian and Malaysian Studies is available at both Pass and Honours levels. Candidates

<sup>1</sup> Except for candidates who completed their BA degrees under the old regulations, for which only Anthropology I and II were required.

for the MA(Pass) degree must have completed three undergraduate courses in Indonesian and Malayan Studies or have equivalent qualifications. Candidates for the MA(Hons) degree must have been awarded Honours in Indonesian and Malayan Studies for the BA degree, or have qualified for the MA(Pass) degree with Merit, or have equivalent qualifications. In special cases candidates who hold the BA Pass degree may be permitted to undertake qualifying work for admission to Honours candidature.

#### *Master of Arts (Honours)*

Candidates for the Honours degree have their work prescribed for them on an individual basis, according to their interest and their class of Honours at the Bachelor's degree and according to whether they are part-time or full-time students. At present all candidates for the MA(Hons) degree are required to present a thesis on an approved topic and to undertake such coursework or supplementary reading as is prescribed in individual cases.

#### *Master of Arts (Pass)*

Candidates for the Pass degree normally proceed by coursework only, or, in cases approved by the Head of Department of Indonesian and Malayan Studies by coursework and thesis or by thesis and other prescribed study.

#### **(xix) Music**

Candidates for an MA degree are required to present a thesis on some subject connected with Music approved by the Head of the Department. In addition, candidates are required to attend courses, to take examinations, and to undertake such other work as the Head of the Department may specify. Candidates for the MA(Hons) degree must have obtained Honours in Music at the final examination for the BA degree or must produce evidence of having done equivalent work. Candidates for the MA(Pass) degree must have passed in Music I, II and III, but will be required to undertake a considerable amount of coursework at the direction of the Head of the Department, in addition to writing a thesis.

#### **(xx) Fine Arts**

Candidates for an MA degree in the School of Fine Arts are required to be Bachelors of Arts of the University of Sydney or graduates of other faculties, or any other university provided that they shall have completed for the lower degree three courses in the School of Fine Arts, or can produce evidence, acceptable to the Faculty, of having done equivalent work.

A degree of Master of Arts may be taken at either the Pass or Honours level and, except for the preliminary courses referred to below, both will consist primarily in the preparation of a thesis. The Head of the Department may in consultation with the Supervisor require written work related to the thesis but separate from it.

#### *Master of Arts (Pass)*

For the Pass degree, except in such cases where candidates are already Bachelors of Arts with honours in Fine Arts or possess qualifications deemed equivalent by the Faculty, the Head of the Department may require the satisfactory completion of certain preliminary courses nominated by him/her after consultation with the student. These courses should take at least one year to complete.

#### *Master of Arts (Honours)*

For the Honours degree, the BA degree with Honours in Fine Arts is a prerequisite, or qualifications deemed equivalent by the Faculty. N.B.: Candidates are required to pass tests in reading one foreign language other than English (this will be, except in special cases, French, German or Italian) as part of the requirement of the BA degree with Honours in Fine Arts. Candidates who have not already fulfilled this requirement for the BA Honours degree will be required to pass similar tests to provide evidence of equivalent qualifications prior to proceeding to the MA(Hons) degree. Additional coursework in Fine Arts will be necessary in some cases.

Fortnightly seminars for MA students are held throughout the year. Students should ensure that they meet their advisers at least once a month.

#### **(xxi) Pure Mathematics**

##### *Master of Arts (Pass)*

A candidate for the MA(Pass) degree must hold the BA Pass degree and have completed Pure Mathematics III as a qualifying course for the BA degree, or else must produce evidence of having reached an equivalent standard in pure mathematics.

Depending on the topics studied in his undergraduate course a candidate may be required or advised to attend certain third year evening courses. An intending candidate should consult the Department of Pure Mathematics before enrolling.

The candidate will be required to attend seminar courses on topics in pure mathematics. Each seminar course occupies about nine weeks or one university term. The topics offered are drawn from the areas of algebra, analysis, geometry, number theory and set theory.

Satisfactory completion of six seminar courses together with such other requirements and tests as determined by the Department of Pure Mathematics will qualify the candidate for the award of the degree.

##### *Master of Arts (Honours)*

A candidate for the MA(Hons) degree either must have obtained first or second class honours in Pure Mathematics at the BA degree examination, or must pass such an examination at a standard equivalent to second class honours.

Candidates may proceed mainly by coursework or mainly by thesis.

- (a) *Mainly by thesis.* The candidate will be required to submit a thesis, which provides an account of some branch of mathematical knowledge not included in the course for the BA degree with Honours. He will in general also be required to sit for a written examination.
- (b) *By coursework and essay.* The candidate will be required to pass examinations on at least five lecture courses approved by the Head of the Department. In addition, each candidate will be required to write an essay, showing wide reading and understanding, on a topic approved by the Head of the Department.

The candidate is required to lodge with the Department two copies (printed or typewritten) of his essay not earlier than the third term after commencement of candidature. Except with the permission of the Head of the Department, a full-time candidate must complete these requirements within two years, and a part-time candidate within four years.

**(xxii) Applied Mathematics**

***Master of Arts (Pass)***

A candidate for the MA(Pass) degree should hold the BA Pass degree with Applied Mathematics III or a qualification accepted as equivalent at the discretion of the Head of the Department of Applied Mathematics, subject to the Faculty requirements.

An intending candidate should consult the Department of Applied Mathematics before enrolling.

The candidate will be required to attend six courses each occupying one university term and selected from three of the following major areas of Applied Mathematics:

Astrophysics; Continuum Mechanics; Geophysics;  
Optimal Control and Operations Research;  
Relativity and Quantum Mechanics;  
Mathematical Modelling.

Reading courses may also be included.

To qualify for the award of the degree candidates will be required to pass a written examination at the completion of each course. They may also be required to submit essays and reports on set reading matter, and to participate in organised seminars. A long essay on some topic of Applied Mathematics, the writing of which will be supervised by an appointed member of the Department of Applied Mathematics, will form a necessary part of the course of study of every candidate.

***Master of Arts (Honours)***

A candidate for the MA(Hons) degree either must have obtained first or second class honours at the BA degree examination, or must pass such an examination at a standard equivalent to second class honours.

The candidate will be required to submit a thesis on some aspect of Applied Mathematics, and may also be required to submit himself for a written or oral examination, which may include branches of Applied Mathematics involved in the subject of the thesis, as well as other branches.

A candidate for the MA(Hons) degree may be awarded the degree with first or second class honours, or the MA(Pass) degree.

**(xxiii) Mathematical Statistics**

***Master of Arts (Pass)***

A candidate for the MA(Pass) degree will generally be expected to complete satisfactorily 5 modules from the 3rd and 4th year courses, or equivalent, as approved by the Head of the Department.

In addition the candidate will be required to submit a thesis on some aspects of mathematical statistics not covered by the written examination or embodying the results of a practical investigation in some field of applied statistics.

***Master of Arts (Honours)***

A candidate for the MA(Hons) degree either must have obtained Honours at the BA degree examination or must have passed an examination of an equivalent standard.

(a) *Mainly by thesis.* The candidate will be required to submit a thesis on some branch of mathematical statistics. He will in general also be required to sit for a written examination.

(b) *By coursework and essay.* The candidate will be required to participate in six seminar courses and to pass examinations in at least five of these. In addition each candidate will be required to write a substantial essay,

showing wide reading and understanding, on a topic approved by the Head of the Department.

The candidate is required to lodge with the Department two copies (printed or typewritten) of his essay not earlier than the third term after commencement of candidature.

Seminar courses will be chosen from the following topics:

Advanced Probability Theory  
Advanced Experimental Design  
Advanced Statistical Inference  
Applied Stochastic Processes  
Convergence of Probability Measures (2 seminars)  
Non-parametric Statistics and Rank Tests  
Stochastic Dependence (2 seminars) Time Series

**(xxiv) Oriental Studies**

***Master of Arts (Honours)***

Candidates for the MA(Hons) degree must have obtained Honours at the BA degree examination in either Chinese or Japanese or must produce evidence of having done work equivalent to that required for the BA degree with Honours in Chinese or Japanese. They are required to present a thesis upon some subject connected with Oriental Studies and approved by the Professor of Oriental Studies.

***Master of Arts (Pass)***

Candidates for an MA(Pass) degree are required (i) to present a brief thesis upon some subject connected with Oriental Studies and approved by the Professor of Oriental Studies, and (ii) to offer themselves for further examination in either Chinese literature, history, and thought, or Japanese literature, history, and thought.

The detailed work required of candidates will be prescribed by the Professor of Oriental Studies when application is made for admission to candidature for the degree.

**(xxv) Semitic Studies**

***Master of Arts (Pass)***

Candidates for the MA(Pass) degree in the School of Semitic Studies may proceed in one of two ways: either

- (a) Candidates shall write a thesis incorporating the results of independent research in an approved field of Semitic Studies. The Department may require candidates to attend lectures in the area of Semitic Languages and Literature; or
- (b) Candidates shall attend seminars or classes and present themselves for examination in courses prescribed by the Department. These courses will be selected by consultation with the students in order to meet their special interests, and may consist of coursework already given in the Department if the Head of the Department shall so determine.

***Master of Arts (Honours)***

Candidates for the MA(Hons) degree must have obtained Honours in Semitic Studies in the BA degree or have an MA(Pass) degree with merit, or have completed equivalent work.

Candidates must fulfil the following requirements:

- (i) they must present a thesis on some subject in the field of Semitic Studies ap-



- proved by the Head of the Department.
- (ii) they may be required to take an examination in the Cultural History or Language or Literature of a branch of Semitic Studies relevant to the subject of their thesis.

#### **(xxvi) Archaeology**

##### ***Master of Arts (Honours)***

*Primarily by research and thesis.* Candidates for the Master of Arts (Honours) degree must hold a BA degree with Honours in Archaeology or equivalent qualifications. Candidates with a BA Pass degree must undertake qualifying work as may be required by the Department.

A candidate may not normally complete the course in less than two years. In certain exceptional cases, however, the Department may grant permission to a candidate to complete the degree in a shorter time.

Candidates with a BA degree from another university are expected to attend such *courses*, including undergraduate ones, as may be required by the Department. Graduates of the University of Sydney are required, in addition to their thesis, to take one course in the other section of the Department which is relevant to the subject of the thesis, in the form of seminars, classwork or tutorials, with a final examination at the end of the first year. The course will be decided by agreement between the two professors in the Department.

Each candidate is required to submit a *thesis* based on original research. The subject of the thesis will be chosen by the candidate in consultation with one of the two professors in the Department, according to the topic and must be approved by the Head of the Department at least twelve months before submission. Candidates may propose subjects that require work away from the University of Sydney.

Candidates for the degree will be assigned a *supervisor* for their thesis following consultation between the two professors at the same time as the subject is approved by the Head of the Department.

Candidates are required to pass before the end of their first year of candidature simple written tests in translation ability in German, French and an ancient language, or any other relevant requirement.

In addition to a number of courses at the postgraduate or undergraduate level which candidates may be required to complete and the thesis which they are expected to submit, they may be required to take a *viva voce* examination during which they will have to answer questions on their thesis and other related subjects.

##### ***Master of Arts (Pass)***

*Primarily by coursework.* Candidates for the Master of Arts (Pass) degree must hold a BA degree with at least a pass in Archaeology III or must hold equivalent qualifications.

They are required:

- (a) to present an essay of circa 15 000 words on an approved topic; and
- (b) to attend seminars over two years and to offer themselves for further examination in at least one course in Classical and/or Near Eastern archaeology. Courses will be offered for two hours each fortnight on subjects determined each year by the department.

The details of work required of candidates will be arranged in consultation with the department when application is made for admission to candidature.

The requirements for the degree must be completed within two years of candidature by full-time students, and within four years of candidature by part-time students.

#### **(xxvii) Computer Science**

#### **(xxviii) Modern Greek**

Candidates for the degree of Master of Arts (Honours) must have obtained Honours at the BA degree examinations, or produce evidence of having done equivalent work. They are required (i) to present a thesis written either in Modern Greek or in English on a subject in the field of medieval or modern Greek studies and approved by the Department, and (ii) to present an extended essay or essays written in Modern Greek on another subject within this field. In addition, candidates may be required to attend lectures or seminars, to take examinations and to complete such other work as the Department may specify.

Candidates for the degree of Master of Arts (Pass) must have completed Modern Greek I, II and III or produce evidence of equivalent work. The requirements are the same as for the MA(Hons) degree except that both the thesis and the essays will be considerably less extensive.

Details of the course should be arranged in consultation with the Department when application is made for admission to candidature for the degree of Master of Arts.

#### **(xxix) Historical Archaeology**

##### ***Master of Arts (Pass)***

Candidates for the MA(Pass) degree in Historical Archaeology must hold the BA Pass degree or its equivalent and must, except in special cases, have completed three courses, at least one of which shall be at the second year level, from the subjects of Archaeology, Architecture, Fine Arts, Geography, Historical Archaeology and History and approved by the Interdepartmental Committee for Historical Archaeology.

Candidates should note that completion of either Historical Archaeology II or III is the most desirable preparation. Equivalent work may be required from candidates without archaeological background.

The candidate is required:

- (i) to attend one two-hour class a week each term for two years with additional excursions;
- (ii) to present by 30 June of the first year a substantial folder of relevant material;
- (iii) to present at the end of the second year a substantial research report on an approved topic.

If facilities permit, arrangements may sometimes be made for students who wish to attend full time to complete the requirements in one year.

Permission to proceed to the MA(Pass) degree by thesis only is granted only in exceptional cases, when candidates have demonstrated by the quality of relevant undergraduate work that they are capable of independent research and/or have a particular interest in a research topic for which adequate materials are available.

##### ***Master of Arts (Honours)***

A candidate for the MA(Hons) degree in Historical Archaeology must hold an Honours degree in a discipline deemed to be appropriate by the Chairman of the Interdepartmental Committee for Historical Archaeology. Appropriate disciplines include Anthro-

pology, Archaeology, Architecture, Economic History, Fine Arts, Geography, History and Town and Country Planning. The qualifications of each candidate must be approved by the Interdepartmental Committee for Historical Archaeology.

Candidates will have their work prescribed on an individual basis, according to their undergraduate background and their special interests. A thesis will be required on an approved topic and candidates may be required to undertake such coursework or fieldwork as may be prescribed in individual cases. Candidates must consult the Chairman of the Interdepartmental Committee for Historical Archaeology to discuss their thesis programme.

### (xxx) Applied Linguistics (Language in Education)

The Master's degree in Applied Linguistics (Language in Education) is offered jointly by the Departments of Linguistics and Education. It may be taken either (1) as MA in the Department of Linguistics, or (2) as MEd (or MA in Education) in the Department of Education.

This degree may be awarded with special reference to the teaching of English to speakers of other languages (TESOL). A candidate specializing in this strand will be awarded the degree of MA in Applied Linguistics (TESOL).

#### *Master of Arts (Pass)*

##### *Entry qualifications*

Candidates for the MA (Pass) in Applied Linguistics must hold a BA degree of the University of Sydney, or equivalent qualification from elsewhere, with linguistics up to Linguistics II level. Candidates wishing to specialize in TESOL must normally also have satisfied the requirements for admission to candidature for the MEd degree: (1) a Diploma in Education, or equivalent, and (2) at least one full year of practical experience in educational work.

Intending candidates who have not undertaken previous study of linguistics up to the level of Linguistics II will be required to complete the MA (Preliminary) course before being admitted to candidature. For candidates proceeding from the Diploma in TEFL, a satisfactory performance in Strand B will be accepted as Preliminary qualification.

#### *Structure of the degree*

Candidates are normally expected to undertake the equivalent of four full-year courses (four course units). Under special circumstances a candidate may be allowed to substitute a long essay (15 000–20 000 words) for one full-year course.

All candidates must take the following 'general core' courses in applied linguistics, comprising 1½ course units:

- Ling 511 Phonetics, phonology, morphology (½ unit)
- Ling 512 Grammar and discourse (½ unit)
- Ling 513 Functional varieties of language (½ unit)

Candidates for the MA (TESOL) must also take the 'special core' course of one course unit:

- Ling 521 TESOL Curriculum (1 unit)

The remaining courses will be chosen from the following:

- (a) normally offered each year:
  - \*Ling 551 Theories of second language development (½)
  - \*Ling 565 English for Specific Purposes (½)

\*Ling 571 Approach, procedure, technique: analysis of second language teaching methodology (½)

\*Ling 572 Bilingualism (½)

(b) normally offered in alternate years:

Ling 652 Sociocultural aspects of language (1)

Ling 654 Language development in children (1)

Ling 657 Language and education: selected issue (1)

Ling 661 The language of textbooks (½)

Ling 664 Translation (½)

\*Educ 32601 Curriculum design and development (½)

\*Educ 32602 Curriculum evaluation (½)

Candidates for MA (TESOL) must select courses from those marked with an asterisk.

Certain other courses offered by the Department of Education are available as options; details may be obtained from either of the departments concerned.

The MA (Preliminary) course consists of three half course units as follows:

Ling 451 Language as expression

Ling 452 Language as content

Ling 453 The social context of language

These will be offered in the second semester of each year.

#### *Master of Arts (Honours)*

##### *Entry qualifications*

Candidates for the MA (Honours) in Applied Linguistics should possess a BA degree with honours in linguistics (Linguistics IV), or equivalent qualification. A Pass with Merit in the MA (Pass) in Applied Linguistics will normally be accepted as a qualification. A candidate who is not fully qualified will normally be asked to undertake an MA (Honours) Preliminary course.

#### *Structure of the course*

Candidates for the MA (Honours) degree proceed *either* by thesis and coursework *or* by thesis only. A candidate proceeding by thesis and coursework takes two courses from those numbered 600 and above, and writes a thesis of approximately 25 000 words. A candidate proceeding by thesis only will write a thesis of about 50 000 words.

The thesis is to be based on original research and will be supervised by a member of staff. Intending candidates should consult the Department regarding their course plan and thesis topic.

The MA (Honours) in Applied Linguistics does not include a special TESOL qualification.

### (xxxi) Linguistics

The degree of Master of Arts in Linguistics may be taken in one or more of the following fields of study:

- (a) Theoretical Linguistics
- (b) Phonetics
- (c) Descriptive Linguistics
- (d) Comparative and historical linguistics
- (e) Applied linguistics
- (f) Sociolinguistics
- (g) Psycholinguistics
- (h) Text linguistics
- (i) Semiotics

Not all of these will be available at any one time.

In any of these fields (where applicable), the emphasis may be on semantics, lexico-grammar or pho-

nology, or on any combination of these. For a candidate wishing to undertake postgraduate study in linguistics who has not had the requisite training in the subject at the undergraduate level, the Department will prescribe a programme of coursework taking account of the candidate's qualifications and intended field of study. Such coursework may involve the candidate in an additional year of study.

#### *Master of Arts (Pass)*

Candidates should possess a BA degree including Linguistics II and III as qualifying courses, or show that they have done equivalent work to this standard. They will be required to take courses selected from *three* of the fields listed above. With the approval of the Department, these may include courses in related subjects offered by other departments.

The examination will consist of written assignments and a dissertation (about 15 000 words) on a related topic approved by the Department. The dissertation will carry 25% of the total mark; the written papers will carry 25% each. The requirements shall be completed within a maximum of 4 years.

#### *Master of Arts (Honours)*

Candidates should possess a BA degree with Honours in Linguistics, or show that they have done equivalent work to this standard. They will be required to select an area of study covering *one or more* of the fields listed above, and to attend seminars as prescribed by the Department.

The examination will consist entirely of a thesis, based on original research, on a topic approved by the Department; the length is expected to be around 40 000–50 000 words. A member of staff will act as the candidate's supervisor in the preparation of the thesis.

#### **(xxxii) Medieval Studies**

##### *Master of Arts (Honours)*

Candidates for the MA(Hons) degree must have obtained the BA degree with Honours, or its equivalent, or have been admitted to candidature by the Faculty after gaining the MA(Pass) degree. (In the latter case, candidates will normally be admitted only if the degree has been awarded with merit.)

Persons who are considering applying for admission to candidature for the degree should consult the Chairman of the Committee appointed to supervise the course programme. The Committee will examine their qualifications in consultation with Heads of appropriate Departments.

Applications will be approved in each case by the Faculty on the recommendation of the appropriate Heads of Departments and the Committee appointed to supervise the course.

##### *Course structure*

Candidates are required:—

- (i) to present a thesis of 20–25 000 words on a subject connected with Medieval Studies and approved by the Chairman of the Interdepartmental Committee for Medieval Studies;
- (ii) to complete a General Seminar Course;
- (iii) to complete a course in a special subject selected by the candidate being either an established departmental postgraduate course, a senior Honours course suitably enlarged by further work or a supervised course of reading and writing, approved by the Chairman of the Interdepartmental Committee for Medieval Studies

on the recommendation of the Heads of relevant Departments;

- (iv) Medieval Latin (Reading)

The full-time curriculum is as follows:

##### *First year*

Medieval Latin (Reading)

General Seminar A or B

##### *Second Year*

Special Subject

General Seminar A or B (2 terms only)

Thesis

##### *Notes*

- (1) The course may be completed full time in a minimum of two years or part time in a minimum of three years.
- (2) General Seminars A and B are offered in alternate years only.
- (3) The qualification for entry to Medieval Latin (Reading) is the same as for entry to Latin IA or IA(ii). Students not so qualified should complete Latin IB prior to their enrolment. Latin IB is not offered at evening hours every year. Students requiring this facility should consult with the Department of Latin.

The detailed work required of candidates to meet the above requirements will be prescribed by the Interdepartmental Committee for Medieval Studies when application is made for admission as a candidate for a Master of Arts degree.

##### *Master of Arts (Pass)*

Candidates for the MA(Pass) degree must have graduated with at least a BA Pass degree or its equivalent. Persons who are considering applying for admission to candidature for the degree should consult the Chairman of the Committee appointed to supervise the course programme. The Committee will examine their qualifications in consultation with the Heads of appropriate Departments.

Applications will be approved in each case by the Faculty on the recommendation of the appropriate Heads of Departments and the Committee appointed to supervise the course.

##### *Course structure*

Candidates are required:—

- (i) to present an essay of 12–15 000 words on a subject connected with Medieval Studies and approved by the Chairman of the Interdepartmental Committee for Medieval Studies;
- (ii) to complete *two* of the following three elements:  
General Seminar A  
General Seminar B  
Medieval Latin (Reading).

##### *Notes*

- (1) The course may be completed full time in a minimum of one year or part time in a minimum of two years.
- (2) General Seminars A and B are offered in alternate years only.
- (3) The qualification for entry to Medieval Latin (Reading) is the same as for entry to Latin IA or IA(ii). Students not so qualified should complete Latin IB prior to their enrolment. Latin IB is not offered at evening hours every year. Students requiring this facility should consult with the Department of Latin.

The detailed work required of candidates to meet the above requirements will be prescribed by the Interdepartmental Committee for Medieval Studies when

application is made for admission as a candidate for a degree of Master of Arts.

**General Seminar Course (Pass and Honours)**

This course will consist of eight two-hour sessions each term. Groups A and B in the following table alternate annually, occupying the first two terms of the year. The third term topic will be offered annually, but always taken in the student's first year.

**Group A**

Term 1 *The Germanic Tradition*

Term 2 *Fin Amor*

**Group B**

Term 1 *The Church and Its Institutions*

Term 2 *Religious Thought*

Term 3 *Research Methods*: Use of libraries, bibliographies, introduction to bibliography and palaeography.

**(xxxiii) Religious Studies**

**Master of Arts (Pass)**

Candidates for the MA(Pass) degree in Religious Studies must hold a Pass or Honours degree with at least three courses in Religious Studies or related subjects.

Candidates proceed by coursework and essay normally over two years of part-time attendance.

Candidates are required:

- (a) to attend such classes as may be prescribed by the head of the department;
- (b) to complete satisfactorily examinations in these subjects;
- (c) to attend a graduate seminar, at which ongoing research work will be submitted for scrutiny by staff and graduate students of the department;
- (d) to write a short dissertation on a subject approved by the head of the department.

**Master of Arts (Honours)**

Candidates for the MA(Hons) degree in Religious Studies must hold a first-class or second-class Honours degree in a subject or subjects relevant to the proposed field of research, either from the University of Sydney or from another University.

Candidates proceed by thesis over a minimum period of one year of full-time attendance, or a minimum period of two years of part-time attendance.

Candidates are required:

- (a) to undertake such complementary coursework as may be prescribed by the head of the department;
- (b) to attend a graduate seminar, at which ongoing research work will be submitted for scrutiny by staff and graduate students of the department;
- (c) to submit a thesis of not less than 25 000 words embodying the results of original research and based on primary sources.

**(xxxiv) Social Studies**

The Master of Arts (Pass) and Master of Arts (Honours) degrees are available in the subject area of Social Studies.

**Master of Arts (Pass)**

Applicants for admission to the MA(Pass) degree in Social Studies must have —

- (i) a Pass degree in a related discipline(s), that is, a degree which contains the subjects as specified for entry to Third Year in Social Work (i.e. drawn from Psy-

chology, Anthropology, Economic History, Economics and Economics (P) or The Australian Economy, Government, Philosophy, an approved Arts course, an approved Modern Language, Education, Social Theory II);

- (ii) working experience in the field of Social Welfare of at least one year since graduation;
- (iii) and must satisfy a selection committee at interviews of their ability to complete the course.

**Structure and patterns of Study.** The degree may be pursued in one of the two following patterns:

- (a) Coursework and research thesis
- (b) Coursework and long essay

Those proceeding by (a) are required to complete a thesis of 14 000 words, an option essay of 7000 words and two core course essays of 3500 words each, or, if exempt from core courses, a thesis of 21 000 words and an option essay of 7000 words.

Those proceeding by (b) are required to complete a long essay of 7000 words, three option essays of 7000 words each, and two core course essays of 3500 words each, or, if exempt from core courses, a long essay of 14 000 words and three option essays of 7000 words each.

**Master of Arts (Honours)**

Applicants for admission to the MA(Hons) degree in Social Studies must have —

- (i) an Honours degree in a related discipline(s), that is, a degree which contains the subjects as specified for entry to Third Year in Social Work (i.e. drawn from Psychology, Anthropology, Economic History, Economics and Economics (P) or The Australian Economy, Government, Philosophy, an approved Arts course, an approved Modern Language, Education, Social Theory II);
- (ii) working experience in the field of Social Welfare of at least one year since graduation;
- (iii) and must satisfy a selection committee at interviews of their ability to complete the course.

**Structure and patterns of study.** The degree may be pursued in one of the three following patterns:

- (a) Research thesis
- (b) Coursework and research thesis
- (c) Coursework and long essay

All three patterns are based on examining the relationship of theory and practice and allow candidates to reflect and reformulate practice, to read about and evaluate alternative practices, to identify problems in areas of welfare policy administration and delivery with a view to providing change and improvement in services offered and outcomes effected.

Those proceeding by (a) are required to complete a thesis of 30 000 words and two core course essays of 5000 words each, or, if exempt from the core courses, a thesis of 40 000 words.

Those proceeding by (b) are required to complete a thesis of 20 000 words, an option long essay of 10 000 words, two core course essays of 5000 words each, or, if exempt from the core courses, a thesis of 30 000 words and a long option essay of 10 000 words.

Those proceeding by (c) are required to complete a long essay of 10 000 words, three option essays of 10 000 words each, and two core course essays of 5000

words each, or if exempt from the core courses, a long essay of 10 000 words, and three option essays of 10 000 words each.

#### *Requirements for the degrees*

The degrees are divided into two parts:

Part 1: Two 15-week core courses called *Ideologies of Social Work Welfare* and *Social Work Research*

Part 2: Options and / or thesis

Both core courses are to be assessed by the production of a substantial assignment on a general topic which will require independent search of relevant literature. Candidates will not be allowed to proceed in the course until these two courses have both been satisfactorily completed at an appropriate standard.

Candidates may gain exemption from these courses if they can satisfy the Faculty of Arts that they have already completed satisfactorily an equivalent of the two courses at Master's level.

Each year the Department of Social Work will make available a range of options for candidates.

#### **BOARD OF EXAMINERS**

Pursuant to section 12 of Chapter VIII of the By-laws the Faculty appoints the following as members of the Board of Examiners which shall be responsible for the conduct of examinations in respect of candidates for the degree of Bachelor of Arts: the permanent and temporary full-time members of the teaching staff in the departments offering courses for the degree of Bachelor of Arts.

#### **EXAMINERS**

The examiners shall comprise the permanent and temporary full-time members of the teaching staff of the Departments offering courses for the degree of Bachelor of Arts, and such other examiners as may be nominated by the Head of the Department and approved by the Dean.

## Degrees in Divinity

X: ARTS:  
FACULTY RESOLUTIONS  
XA: DIVINITY:  
BY-LAWS

#### **BY-LAWS CHAPTER XA**

1. The degrees in Divinity shall be—
  - (a) Bachelor of Divinity (B.D.),
  - (b) Master of Theology (Pass) (M.Th.(Pass))
  - (c) Master of Theology (Honours) (M.Th. (Hons.)); and
  - (d) Doctor of Divinity (D.D.).
2. (1) The award of the degrees shall be supervised by a Board of Studies in Divinity consisting of:
  - (a) the Dean of the Faculty of Arts;
  - (b) the Professors of Religious Studies and Semitic Studies;
  - (c) [*repealed*];
  - (d) nine persons, each of whom shall be a member of the full-time permanent academic staff, appointed by the Academic Board on the recommendation of the Head of the Department or School concerned, there being one person appointed from each of the following Departments or Schools:—

Anthropology	Philosophy
Archaeology	Psychology
Greek	Religious Studies
History	Semitic Studies;
Latin	
  - (e) not more than two persons, each of whom shall be a member of the full-time permanent academic staff, appointed by the Academic Board from among the Departments or Schools referred to in paragraph (d) on the recommendation of the Board of Studies;
  - (f) the Heads of such Colleges within the University as are incorporated by an Act of Parliament and established in connection with a religious denomination;
  - (g) the Chairman of each Section of the School of Divinity;
  - (h) not more than seven persons, of whom not less than two and not more than four shall be members of the full-time permanent academic staff, co-opted by the members referred to in paragraphs (a) to (g) inclusive;
  - (i) such persons being Lecturers in Divinity (part-time) within the School of Divinity as may be co-opted by the members referred to in paragraphs (a) to (h) inclusive, provided that not more than three Lecturers in Divinity (part-time) shall be co-opted in accordance with this paragraph from each of the Sections of the School of Divinity; and

- (j) not more than three students elected in the manner and for the period prescribed by Resolution of the Senate<sup>1</sup>.
- (2) Subject to subsection (5) (d), a member appointed in accordance with subsection (1) (d) or (1) (e) shall hold office for two years from 1st January in the year following his appointment and shall be eligible for re-appointment.
- (3) Subject to subsection (5) (d), a member co-opted in accordance with subsection (1) (h) or (1) (i) shall hold office for two years from the day on which he is co-opted and shall be eligible for further co-option.
- (4) If a vacancy occurs in the office of a member appointed in accordance with subsection (1) (d) or (1) (e) or co-opted in accordance with subsection (1) (h) or (1) (i), the person or persons entitled to appoint or co-opt a person in accordance with subsection (1) (d), (1) (e), (1) (h) or (1) (i), as the case may be, may appoint or co-opt some other person who is qualified for appointment or co-option in accordance with the same paragraph as the member whose office is vacant, and the person appointed or co-opted to fill that vacancy shall hold office for the balance of the term of the member whose office he has been appointed or co-opted to fill.
- (5) (a) At the first meeting of the Board of Studies in 1979 and in every second year thereafter the members referred to in subsections (1) (a) to (1) (j) inclusive shall elect from those members appointed in accordance with subsection (1) (b), (1) (d), (1) (e) or (1) (g) and those members co-opted in accordance with subsection (1) (h) who are members of the full-time permanent academic staff a Chairman who shall hold office until his successor is elected.
- (b) The Chairman shall be eligible for re-election.
- (c) If a vacancy occurs in the office of Chairman, the members referred to in subsections (1) (a) to (1) (j) inclusive shall at a duly convened meeting of the Board of Studies to be held as soon as can be conveniently arranged elect from those members appointed in accordance with subsection (1) (b), (1) (d), (1) (e) or (1) (g) and those members co-opted in accordance with subsection (1) (h) who are members of the full-time permanent academic staff a Chairman who shall hold office for the balance of the term of the person he replaces.
- (d) Where the term of office of a member of the Board of Studies who is the Chairman would, but for this paragraph, expire and that member has not been re-appointed or re-elected or further co-opted as a member of the Board, that member shall continue to hold office as a member of the Board until a new Chairman is elected.
- (6) The members of the Board of Studies appointed, co-opted or elected in accordance with the By-Laws previously in force shall be deemed to hold office until 31st December, 1978.
- (7) At any meeting of the Board of Studies seven members shall form a quorum.

3. (1) The Board of Studies shall recommend to the Vice-Chancellor the persons to be appointed as Lecturers in Divinity (part-time).
- (2) The Board of Studies shall supervise the teaching in the subjects with which the Board is concerned, other than those within the supervision of a Faculty or another Board of Studies.
4. (1) There shall be a Committee of Lecturers, consisting of the Chairman of the Board, who shall be Chairman of the Committee and such Lecturers in Divinity (part-time) and other members of the academic staff as are engaged in teaching in courses under the Board of Studies during that academic year, together with the members of the Board of Studies elected in accordance with section 2 (1) (j).
- (2) The Committee shall advise the Board of Studies on such matters as the Board may refer to it and may submit for the consideration of the Board of Studies matters relating to teaching, scholarship and research in Divinity.
- (3) The Committee shall have power to co-opt to its membership Lecturers in Divinity (part-time) or other members of the academic staff who are not engaged in teaching in courses under the Board of Studies during that academic year provided that the total number of such co-opted members shall not exceed one-quarter of the total membership of the Committee.
5. (1) (a) The Board of Studies shall assign the Lecturers in Divinity (part-time) to Sections of the School which correspond to the principal subjects taught within the School, provided that a Lecturer may be assigned to more than one Section.
- (b) The Board of Studies may invite members of Departments within the University to participate in the teaching provided by a Section.
- (2) (a) The Board of Studies shall appoint from among the Lecturers in Divinity (part-time) assigned to a Section and members of the full-time permanent academic staff teaching within the Section a Chairman of the Section who shall preside at meetings of the Section.
- (b) The Chairman of a Section shall be appointed in the manner and for the period prescribed by Resolution of the Senate on the recommendation of the Board of Studies and the Academic Board.
- (3) The Lecturers in Divinity (part-time) assigned to a Section and the other members of the academic staff teaching within the Section shall meet at least once a term to report to the Committee of Lecturers or the Board of Studies on teaching arrangements and subject requirements within that Section.
- (4) For the purpose of subsection (1) (a), Religious Studies shall be deemed to be a Section of the School of Divinity.

#### BACHELOR OF DIVINITY

6. (1) The degree of Bachelor of Divinity shall be awarded in two grades, namely, the Pass degree and the degree with Honours.
- (2) There shall be two classes of Honours, namely, Class I and Class II and within Class II there shall be two divisions, namely Division I and Division 2.
7. An applicant for admission to candidature for the degree of Bachelor of Divinity shall apply in writing to

<sup>1</sup> See Senate Resolutions following Chapter VIII.

the Registrar for admission to candidature and shall be:

- (a) a graduate in the Faculty of Arts of the University of Sydney who has completed such courses as may from time to time be specified by the Board of Studies or be deemed by the Board of Studies to be equivalent to them; or
- (b) any other graduate in the Faculty of Arts of the University of Sydney; or
- (c) a graduate of the University of Sydney in any other Faculty or under a Board of Studies; or
- (d) a graduate of a university other than the University of Sydney or a person with qualifications obtained in an institution other than a university and who in either case is deemed by the Board of Studies and by the Academic Board to have qualifications equivalent to those required of a graduate of the University of Sydney for admission to such candidature.

8. A candidate admitted in accordance with section 7 (b) or 7 (c) or 7 (d) shall undertake such preliminary study as the Board of Studies may prescribe.

9. A candidate for the degree shall complete such requirements for the degree as may be prescribed from time to time by Resolution of the Senate on the recommendation of the Board of Studies and the Academic Board.

10. (1) A candidate who commenced prior to the day upon which these By-laws take effect may complete the requirements for the degree in accordance with the by-laws in force immediately before that day.

(2) A candidate referred to in subsection (1) shall complete the requirements for the degree on or before 31st December, 1983 or such later date as the Board of Studies may, in special circumstances, approve.

#### **DEGREE OF MASTER OF THEOLOGY (PASS)**

11. The degree of Master of Theology (Pass) shall be awarded in one grade only, except that an outstanding candidate may be awarded the degree with merit.

12. An applicant for admission to candidature for the degree shall—

- (a) except as provided in Chapter XXVIA of these By-laws—
  - (i) be a Bachelor of Divinity of the University of Sydney; or
  - (ii) be a graduate of the University of Sydney and have completed such other work as the Board of Studies may prescribe;
- (b) have completed three courses within the Section in which the applicant seeks to proceed to the degree or have completed courses deemed by the Board of Studies to be equivalent; and
- (c) after consultation with the Chairman of the Section in which the applicant seeks to proceed to the degree, apply in writing to the Registrar for approval by the Board of Studies of such admission to candidature.

13. A candidate shall complete such requirements for the degree as may be prescribed from time to time by Resolution of the Senate on the recommendation of the Academic Board and the Board of Studies.

#### **DEGREE OF MASTER OF THEOLOGY (HONOURS)**

14. (1) The degree of Master of Theology (Honours) shall be awarded in two classes of Honours, namely, Class I and Class II.

(2) The candidate who shall have been most distinguished in the examination for the degree shall, if the candidate's work is of sufficient merit, receive a bronze medal.

15. An applicant for admission to candidature for the degree shall —

(a) except as provided in Chapter XXVIA of these By-laws —

(i) be a Bachelor of Divinity of the University of Sydney with Honours in the Section in which the applicant seeks to proceed or have obtained qualifications deemed by the Board of Studies to be equivalent; or

(ii) with the special permission of the Board of Studies —

(1) be a graduate of the University of Sydney with Honours in any Faculty or under any other Board of Studies;

(2) hold the degree of Master of Theology (Pass); or

(3) hold qualifications deemed by the Board of Studies to be equivalent; and

(b) after consultation with the Chairman of the Section in which the applicant seeks to proceed to the degree, apply in writing to the Registrar for approval by the Board of Studies of such admission to candidature.

16. A candidate shall complete such requirements for the degree as may be prescribed from time to time by Resolution of the Senate on the recommendation of the Academic Board and the Board of Studies.

17. The provisions of section 1(b) and (c) and sections 11 to 16 and the Resolutions arising therefrom shall have effect on and from 1st January, 1983, except that a candidate for the degree of Master of Theology who was admitted to candidature prior to that date may complete the requirements for the degree in accordance with the By-laws as in force immediately before the date of commencement of this section.

#### **DEGREE OF DOCTOR OF DIVINITY**

18. The degree of Doctor of Divinity shall not be conferred except as provided in Chapter XIXB.

### **RESOLUTIONS OF THE SENATE**

#### **BACHELOR OF DIVINITY**

In accordance with section 9 of Chapter XA of the by-laws, the Senate has prescribed the following resolutions for the degree of Bachelor of Divinity:—

1. (1) A course shall consist of lectures, together with such seminars, tutorials, essays and exercises as may be prescribed.

(2) In these resolutions 'to complete a course' and derivative expressions mean—

(a) to attend the lectures and the seminars and tutorials, if any;

(b) to complete satisfactorily the essays and exercises; and

(c) to pass the examinations of the course.

2. (1) A final result shall be recorded for each candidate at the end of each course.

(2) A candidate may be tested by written examinations, oral examinations, exercises and essays or

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any combination of these and the results of such tests shall be taken into account in determining the final result.

(3) A course completed at a standard higher than that required for a Pass may be recognised by the award of High Distinction, Distinction or Credit.

3. A candidate who has been prevented by duly certified illness or misadventure from sitting for the whole or part of the examinations of a course or a candidate about whose performance in any course at the final examination the examiners are in doubt may be tested in such a way or at such times as the Chairman of the Board of Studies shall determine.

4. (1) Unless exempted by the Board of Studies, a candidate who presents himself for re-examination in a course shall complete that course in accordance with Resolutions 1 and 2.

(2) A candidate who presents himself for re-examination shall not be eligible for any prize or scholarship awarded in connection with that course.

5. The Board of Studies may admit a student as a part-time candidate, subject to such conditions as the Board may prescribe.

#### *Pass degree*

6. Except as provided in Resolution 9, a candidate for the Pass degree shall be required to attend courses for not less than three years and to complete the courses in accordance with the conditions prescribed in these Resolutions.

7. (1) Except with the permission of the Board of Studies, a candidate shall not complete more than four courses in any one year.

(2) For the purpose of this Resolution, two half-year electives shall be equivalent to a single course.

(3) A candidate who fails to complete the required number of courses in any one year shall take, in the next year of candidature, such courses as the Board of Studies shall determine.

8. Except as provided in Resolutions 9 and 10, a candidate for the degree shall complete the following courses, as prescribed from time to time by the Board of Studies:—

(1) In the First Year—

(a) a course in Old Testament Studies;

(b) Greek IB (Koine);

(c) a course in History and Phenomenology of Religion; and

(d) History and Thought of Christianity I.

(2) In the Second Year—

(a) Old and New Testament II;

(b) History and Thought of Christianity II; and

(c) three electives which shall be selected from a list of electives drawn up from time to time by the Board of Studies and one of which shall be drawn from the History and Phenomenology of Religion.

(3) In the Third Year—

(a) Old and New Testament III;

(b) History and Thought of Christianity III; and  
(c) two electives, one in each half-year, which shall be selected from a list of electives drawn up from time to time by the Board of Studies from the areas of Old and New Testament, History and Thought of Christianity and Religious Studies.

9. Except as provided in Resolution 10, a candidate who has been admitted in accordance with section 7 (a) of Chapter XA of the by-laws shall complete the fol-

lowing courses as prescribed from time to time by the Board of Studies:—

(1) In the First Year—

(a) Old and New Testament II;

(b) History and Thought of Christianity II; and

(c) four electives, two in each half-year, which shall be selected from a list of electives drawn up from time to time by the Board of Studies and one of which shall be drawn from the History and Phenomenology of Religion.

(2) In the Second Year—

(a) Old and New Testament III;

(b) History and Thought of Christianity III; and

(c) three electives, at least one in each half-year, which shall be selected from a list of electives drawn up from time to time by the Board of Studies, provided that at least two electives shall be taken within one of the Sections of the School of Divinity.

10. A candidate who prior to admission to candidature has completed a course or courses containing, in the opinion of the Board of Studies, a significant amount of the subject-matter contained in a course or courses for the degree of Bachelor of Divinity shall take such alternative course or courses as the Board may prescribe.

#### *Degree with Honours*

11. (1) An applicant for admission to candidature for the degree with Honours who has been admitted to candidature for the Pass degree in accordance with section 7 (a) of Chapter XA of the by-laws shall—

(a) except as provided in Resolution 13 (6), have completed the requirements for the First and Second Years of the Pass degree and have obtained a High Distinction, Distinction or Credit in at least one of the courses in the Second Year; and

(b) have completed at least two electives in the Second Year in a subject related to his proposed Honours course.

(2) An applicant for admission to candidature for the degree with Honours who has been admitted to candidature for the Pass degree in accordance with section 7 (b) or 7 (c) or 7 (d) of Chapter XA of the by-laws shall—

(a) except as provided in Resolution 13 (6), have completed the requirements for the First, Second and Third Years of the Pass degree and have obtained a High Distinction, Distinction or Credit in at least one of the courses in the Third Year; and

(b) have completed two electives in the Third Year in a subject related to his proposed Honours course.

(3) A candidate who has been awarded the Pass degree may subsequently qualify for admission to candidature for the Honours degree by completing such of the requirements of Resolution 11 (1) and 11 (2) as have not already been completed.

12. A candidate for the degree with Honours shall—

(a) complete a seminar course in at least one subject in which he has obtained a High Distinction, Distinction or Credit in the Third year;

(b) submit a thesis in one of the subjects referred to in paragraph (a) on a topic approved by the Board of Studies; and

(c) complete such other course or courses as the Board of Studies may prescribe.

13. (1) A candidate for the degree with Honours shall present himself for the Honours examination



normally one year after he has qualified for the Pass degree.

(2) In respect of a candidate admitted in accordance with section 7 (a) of Chapter XA of the by-laws there shall be a maximum period of four years for completion of the degree with single Honours and five years for completion of the degree with double Honours. For the purpose of this paragraph, a year shall refer to a year's attendance at the University and these years need not be consecutive calendar years.

(3) In respect of a candidate admitted in accordance with section 7 (b) or 7 (c) or 7 (d) of Chapter XA of the by-laws there shall be a maximum period of five years for completion of the degree with single Honours and six years for completion of the degree with double Honours. For the purpose of this paragraph, a year shall refer to a year's attendance at the University and these years need not be consecutive calendar years.

(4) The Board of Studies may in the cases of part-time candidates or candidates who already hold the Pass degree, or in special cases, vary the requirements of Resolutions 13 (1), 13 (2) and 13 (3).

(5) (a) A candidate for single Honours may present himself only once for the Honours examination.

(b) A candidate for double Honours may present himself only once for the Honours examination in each of two Sections.

(6) The Board may permit a student to commence candidature for the degree with Honours while completing one course required for the immediately preceding year.

(7) If a candidate graduates with First Class Honours and the Board of Studies is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal.

14. (1) A candidate who has qualified to enter the Honours year in two subjects may—

(a) with the approval of the Board of Studies on the recommendation of the Chairman of the Section concerned, complete the Honours year in each of the two subjects concurrently in one year; or

(b) complete the Honours year in each of the two subjects consecutively in two years; or

(c) complete the Joint Honours year in the two subjects in one year.

(2) A Joint Honours year shall represent such part of the Honours year of each subject as may be approved by the Board of Studies on the recommendation of the Chairman of the Section concerned, in each individual case.

(3) (a) A candidate proceeding pursuant to paragraph (1) (a) or paragraph (1) (b) shall be eligible for the award of Honours in each subject.

(b) A candidate proceeding pursuant to paragraph (1) (c) shall be eligible for the award of Joint Honours in a form which recognises the subjects in which he has completed such Joint Honours.

#### **MASTER OF THEOLOGY (PASS)**

In accordance with section 13 of Chapter XA of the By-laws, the Senate has prescribed the following Resolutions governing candidature for the degree of Master of Theology (Pass):—

1. (1) A candidate for the degree of Master of Theology (Pass) shall proceed by —

(a) coursework, research and thesis in accordance with Resolution 2; or

(b) coursework and long essay in accordance with Resolution 4.

(2) A candidate shall proceed either as a full-time candidate or as a part-time candidate and shall so advise the Board of Studies.

(3) A candidate may be accepted by the Board of Studies on a probationary basis for a period not exceeding twelve months and upon completion of this probationary period the Board of Studies shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

(4) In the case of a student accepted on a probationary basis under sub-section (3), the candidature shall be deemed to have commenced from the date of such acceptance.

2. A candidate proceeding by coursework, research and thesis shall —

(a) attend such courses of study and pass such examinations in each course as the Board of Studies, on the recommendation of the Chairman of the Section concerned, shall prescribe;

(b) complete a thesis on a topic recommended by the Chairman of the Section concerned and approved by the Board of Studies; and

(c) lodge with the Registrar two copies of the thesis, typewritten and bound.

3. (1) The Board of Studies, on the recommendation of the Chairman of the Section concerned, shall appoint at least two examiners of the thesis;

(2) The examiners shall report to the Board on the result of the thesis;

(3) The Chairman of the Section shall report to the Board on the result of the coursework; and

(4) The Board shall determine the result of the candidature.

4. A candidate proceeding by coursework and long essay shall —

(a) attend such courses of study and pass such examinations in each course of study as the Board of Studies, on the recommendation of the Chairman of the Section concerned, shall prescribe; and

(b) complete a long essay, which may or may not be related to the coursework referred to in this Resolution, as the Chairman of the Section concerned may prescribe.

5. The Chairman of the Section concerned shall report the result of the examination of the coursework and the long essay to the Board of Studies, which shall determine the result of the candidature.

6. The Board of Studies shall appoint, on the recommendation of the Chairman of the Section concerned, a member of the Committee of Lecturers to act as supervisor of the candidate.

7. (1) In any thesis lodged by a candidate in accordance with these Resolutions the candidate must state generally in a preface and specifically in notes the sources from which the information was taken, the extent to which the candidate has availed himself or herself of the work of others and the portion of the thesis which the candidate claims as original.

(2) The thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.

8. (1) A full-time candidate shall not present himself or herself for the award of the degree earlier than the end of the third term of candidature and, except with the permission of the Board of Studies on the recommendation of the Chairman of the Section concerned, later than the end of the ninth term of candidature.  
(2) A part-time candidate, except as provided in section (3), shall not present himself or herself for the award of the degree earlier than the end of the sixth term of candidature and, except with the permission of the Board of Studies on the recommendation of the Chairman of the Section concerned, later than the end of the eighteenth term of candidature.  
(3) A part-time candidate proceeding in accordance with Resolution 1(b) shall complete the course requirements by no later than the end of the ninth term of candidature or such later date as may be determined by the Board of Studies in respect of each Section.  
(4) Time spent by a candidate in advanced study in the University of Sydney or in another University, or in any other institution deemed by the Board of Studies to be equivalent, may be deemed by the Board of Studies to be time spent after such admission.
9. The Board of Studies may —
  - (a) on the recommendation of the Chairman of the Section concerned, call upon any candidate to show cause why the candidature should not be terminated by reason of unsatisfactory progress towards the completion of the requirements for the degree; and
  - (b) where, in the opinion of the Board, the candidate does not show good cause, terminate such candidature.
10. A candidate who has completed the requirements but has not qualified for the award of Master of Theology (Honours) may be awarded the degree of Master of Theology (Pass).

#### MASTER OF THEOLOGY (HONOURS)

In accordance with section 17 of Chapter XA of the By-laws, the Senate has prescribed the following Resolutions governing candidature for the degree of Master of Theology (Honours):—

1. A candidate for the degree of Master of Theology (Honours) shall —
  - (1) (a) carry out supervised research on a topic approved by the Board of Studies on the recommendation of the Chairman of the Section concerned;
  - (b) attend such seminars and other classes as the Board of Studies, on the recommendation of the Chairman of the Section concerned, may prescribe;
  - (c) write a thesis embodying the results of the research; and
  - (d) lodge with the Registrar three copies of the thesis, typewritten and bound.
- (2) A candidate shall proceed either as a full-time candidate or as a part-time candidate and shall so advise the Board of Studies.
- (3) A candidate may be accepted by the Board of Studies on a probationary basis for a period not exceeding twelve months and upon completion of this probationary period the Board of Studies shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

(4) In the case of a candidate accepted on a probationary basis under sub-section (3), the candidature shall be deemed to have commenced from the date of such acceptance.

2. (1) The Board of Studies, on the recommendation of the Chairman of the Section concerned, shall appoint at least two examiners of the thesis, of whom one shall be external.  
(2) The examiners shall report to the Board, which shall determine the result of the candidature.  
(3) In special cases, the Board, on the recommendation of the Chairman of the Section concerned, may require the candidate to take a further examination in the area of the thesis.
3. The Board of Studies shall appoint, on the recommendation of the Chairman of the Section concerned, a member of the Committee of Lecturers to act as supervisor of the candidate.
4. (1) In any thesis lodged by a candidate in accordance with these Resolutions the candidate must state generally in a preface and specifically in notes the sources from which the information was taken, the extent to which the candidate has availed himself or herself of the work of others and the portion of the thesis which the candidate claims as original.  
(2) The thesis lodged shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
5. (1) A full-time candidate shall not present himself or herself for the award of the degree earlier than the end of the third term of candidature and, except with the permission of the Board of Studies on the recommendation of the Chairman of the Section concerned, later than the end of the ninth term of candidature.  
(2) A part-time candidate shall not present himself or herself for the award of the degree earlier than the end of the sixth term of candidature and, except with the permission of the Board of Studies on the recommendation of the Chairman of the Section concerned, later than the end of the eighteenth term of candidature.  
(3) Time spent by a candidate in advanced study in the University of Sydney or in another University, or in any other institution prior to admission to candidature for the degree deemed by the Board of Studies to be equivalent, may be deemed by the Board of Studies to be time spent after such admission.
6. (1) The Board of Studies, on the recommendation of the Head of the Section concerned, may call upon a candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree.  
(2) Where, in the opinion of the Board of Studies, a candidate does not show good cause in accordance with sub-section (1), the Board of Studies may terminate the candidature.

#### CHAIRMAN OF SECTION

In accordance with section 5 (2) (b) of Chapter XA of the by-laws, the Senate has prescribed the following Resolutions relating to the Chairman of a Section:—

1. The Chairman of a Section shall be appointed by the Board of Studies at its first meeting in 1979 and in every second year thereafter, following a nomination of one of the persons defined by section 5 (2) (a) of Chapter XA of the by-laws and following an election

by the members of the Section as referred to in section 5 (2) (a) of Chapter XA of the by-laws and shall hold office until his successor is appointed.

2. The Chairman shall be eligible for re-appointment.

3. If a vacancy occurs in the office of Chairman of a Section, the members of the Section as referred to in section 5 (1) of Chapter XA of the by-laws shall at a duly convened meeting of the Section to be held as soon as can be conveniently arranged elect from among their own number a Chairman who shall hold office for the balance of the term of the person he replaces.

4. Where the term of office of a member of a Section who is the Chairman would, but for this paragraph, expire and that member has not been re-appointed as a member of the Section, that member shall continue to hold office as a member of the Section until a new Chairman is elected.

# Faculty of Education

XA: DIVINITY:  
SENATE RESOLUTIONS  
XB: EDUCATION:  
BY-LAWS

## BY-LAWS CHAPTER XB

1. (1) The Faculty of Education shall comprise the following persons:

- (a) the Professors, Readers, Associate Professors, Senior Lecturers, Lecturers, Senior Tutors and Tutors, being full-time members of the teaching staff of the departments and schools in the Faculty of Education;
- (b) the Deans of the Faculties of Arts, Science and Economics or their nominees;
- (c) such other members of the full-time teaching staff of the University as may be prescribed by resolution of the Senate;
- (d) such members of the part-time teaching staff of the departments and schools in the Faculty as may be prescribed by resolution of the Senate;
- (e) not more than 5 students elected annually in the manner prescribed by resolution of the Senate;
- (f) *[repealed]*;
- (g) not more than 5 persons with appropriate experience in the field of education, being persons other than members of the departments and schools in the Faculty, as may be appointed by the Senate and for such period as the Senate may determine, on the recommendation of the Academic Board and the Faculty.

(2) The members referred to in section 1(1)(c) and (d) shall be appointed to the Faculty in the manner and for the period prescribed by resolution of the Senate.

## DEGREES AND DIPLOMAS IN THE FACULTY

2. (1) The degrees and diplomas in the Faculty of Education shall be—

- (a) Bachelor of Education (B.Ed.);
- (b) Master of Education (Pass) (M.Ed. (Pass));
- (c) Master of Education (Honours) (M.Ed. (Hons));
- (d) Doctor of Philosophy (Ph.D.);
- (e) Diploma in Education (Dip.Ed.); and
- (f) Diploma in the Teaching of English as a Foreign Language (Dip. T.E.F.L.).

(2) The degree of Bachelor of Education shall be awarded in Early Childhood Education, Primary Education, Secondary Education or Human Movement Education, and the certificates for the

degree shall specify the field in which the degree has been awarded.

### **DEGREE OF BACHELOR OF EDUCATION**

3. A candidate for the degree of Bachelor of Education shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

### **DEGREE OF MASTER OF EDUCATION (PASS)**

4. Except as provided in Chapter XXVIA an applicant for admission to candidature for the degree of Master of Education (Pass) shall—

- (a) either
  - (i) be a Bachelor of Education of the University of Sydney; or
  - (ii) be a graduate of the University of Sydney and hold the Diploma in Education of the University of Sydney or its equivalent;
- (b) have been engaged in appropriate practical work in education either full-time for 1 year or part-time for a period considered by the Faculty to be equivalent to 1 year full-time;
- (c) complete any additional qualifying courses prescribed by the Faculty; and
- (d) apply in writing to the Registrar for approval by the Faculty for admission to candidature.

5. A candidate for the degree of Master of Education (Pass) shall complete such requirements for the degree as may be prescribed by resolution of the Senate on the recommendation of the Academic Board and the Faculty.

6. A person who has been awarded the degree of Master of Arts (Pass) in Education, Master of Arts (Honours) in Education or Master of Education (Honours) shall not be awarded the degree of Master of Education (Pass).

### **DEGREE OF MASTER OF EDUCATION (HONOURS)**

7. Except as provided in Chapter XXVIA, an applicant for admission to candidature for the degree of Master of Education (Honours) shall—

- (a) either—
  - (i) be a Bachelor of Education with Honours of the University of Sydney;
  - (ii) be a Bachelor of Arts with Honours in Education of the University of Sydney and hold the Diploma in Education of the University of Sydney;
  - (iii) be a Master of Education of the University of Sydney; or
  - (iv) hold qualifications considered by the Faculty to be equivalent to those specified in this paragraph;
- (b) have been engaged in appropriate practical work in education either full-time for 1 year or part-time for a period considered by the Faculty to be equivalent to 1 year full-time;
- (c) complete any additional qualifying courses prescribed by the Faculty; and
- (d) apply in writing to the Registrar for approval by the Faculty for admission to candidature.

8. A candidate shall complete such requirements for the degree of Master of Education (Honours) as may be prescribed by resolution of the Senate on the recommendation of the Academic Board and the Faculty.

9. A person who has been awarded the degree of Master of Arts (Honours) in Education shall not be

awarded the degree of Master of Education (Honours).

### **DEGREE OF DOCTOR OF PHILOSOPHY**

10. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXD.

### **DIPLOMA IN EDUCATION**

11. Admission to candidature for the Diploma in Education may be granted—

- (a) to an applicant who has completed or been granted credit for—
  - (i) at least 3 First-Year courses towards the degree of Bachelor of Arts of the University of Sydney;
  - (ii) at least 18 units of Junior courses towards the degree of Bachelor of Science of the University of Sydney; or
  - (iii) at least 18 units of Junior courses towards the degree of Bachelor of Economics of the University of Sydney;
- (b) to a graduate of the University of Sydney; or
- (c) on the recommendation of the Faculty and with the approval of the Academic Board, to—
  - (i) a graduate of a university other than the University of Sydney; or
  - (ii) a person with qualifications obtained in an institution other than a university determined by the Academic Board on the recommendation of the Faculty to be equivalent to those required of such a graduate for admission to candidature.

12. A candidate for the Diploma shall complete such requirements for the Diploma as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

### **DIPLOMA IN THE TEACHING OF ENGLISH AS A FOREIGN LANGUAGE**

13. Admission to candidature for the Diploma in the Teaching of English as a Foreign Language may be granted to—

- (a) a person who is a graduate of the University of Sydney or, in accordance with the provisions of Chapter XXVIA of the By-laws, a graduate of another university or a person with equivalent qualifications; or
- (b) a person who holds other academic and teaching qualifications acceptable to the Faculty and the Academic Board for the purposes of the Diploma, and who has—
- (c) had, normally for at least 2 years, such teaching experience as the Faculty considers satisfactory; and
- (d) satisfied the Faculty, by means of such tests as it may require, of the person's competence in written and spoken English.

14. A candidate for the Diploma in the Teaching of English as a Foreign Language shall complete such requirements for the Diploma as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

### **TRANSITIONAL**

15. (1) A person enrolled, immediately before 1 January 1986, as a candidate for the degree of Bachelor of Education, Master of Education (Pass) or Master of Education (Honours), or for

the Diploma in Education, shall, on and from that day and subject to this Chapter, be deemed to be duly enrolled as a candidate for that degree or diploma in the Faculty of Education.

(2) Unless otherwise agreed by the Faculties of Arts and Education, a person enrolled, immediately before 1 January 1986, as a candidate for the Diploma in the Teaching of English as a Foreign Language in the Faculty of Arts shall, on and from that day and subject to this Chapter, be deemed to be duly enrolled as a candidate for that diploma in the Faculty of Education.

(3) Unless otherwise agreed by the Faculties of Arts and Education, a person enrolled, immediately before 1 January 1986, as a candidate for the degree of Doctor of Philosophy in the Department of Education in the Faculty of Arts shall, subject to Chapter XIXd, continue as a candidate for that degree in the Faculty of Arts, but (where it is otherwise agreed) shall, on and from that day and subject to that Chapter, be deemed to be duly enrolled as a candidate for that degree in the Faculty of Education.

(4) Where a person is, by the operation of subsection (1), (2) or (3), enrolled in the Faculty of Education as a candidate for a degree or diploma, any decision made or other action taken before 1 January 1986 by the Board of Studies in Education or the Faculty of Arts in relation to the person shall be deemed to have been made or taken by the Faculty of Education.

## RESOLUTIONS OF THE SENATE

### SCHOOLS AND DEPARTMENTS

The School and Departments referred to in these Resolutions are:

- (a) School of Teaching and Curriculum Studies;
- (b) Department of Educational Psychology and Measurement; and
- (c) Department of Social and Policy Studies in Education;

which the Vice-Chancellor has determined shall be placed under the supervision of the Faculty of Education.

### FACULTY MEMBERSHIP

1. In accordance with section 1(1)(c) and (d) of Chapter Xb of the By-laws the following resolutions governing membership of the Faculty of Education have been prescribed by the Senate:

- (a) persons provided for under section 1(1)(c) of the By-laws shall be appointed as follows:
  - (i) not more than 8 members of the Faculty of Arts nominated by the Faculty of Arts;
  - (ii) not more than 6 members of the Faculty of Science nominated by the Faculty of Science;
  - (iii) not more than 4 members of the Faculty of Economics nominated by the Faculty of Economics;
  - (iv) not more than 1 member from each of the Faculties of Agriculture, Architecture, Dentistry, Engineering, Law, Medicine and Veterinary Science nominated by the respective Faculty;
  - (v) not more than 1 member from each of the Boards of Studies in Divinity, Music and Social Work nominated by the respective Board of Studies;

- (b) persons provided for under section 1(1)(d) of the By-laws shall comprise not more than 5 in number and shall be appointed by the Faculty of Education.

2. (1) Subject to subsection (4) the members appointed in accordance with section 1(a) or (b) shall hold office for a period of two years commencing on 1 January following their appointment except that the members first appointed shall hold office for the period commencing on the date of their appointment and terminating on 31 December 1987.

(2) Subject to subsection (4) the members appointed in accordance with section 1(1)(g) of Chapter Xb of the By-laws shall hold office for the period commencing on the date of their appointment and terminating on 31 December of the year next following the year in which their appointment takes place, except that the members first appointed shall hold office for the period commencing on the date of their appointment and terminating on 31 December 1987.

(3) Members shall be eligible for re-appointment, re-election or re-co-option.

(4) A person shall cease to hold office if that person ceases to hold the qualifications in respect of which he or she was eligible to hold office.

(5) If a vacancy occurs in the office of a member appointed or co-opted in accordance with Section 1(1)(d), (e) or (g) of Chapter Xb of the By-laws, the vacancy may be filled in like manner to the appointment or co-option and the person so appointed or co-opted shall hold office for the balance of the term of the person he or she replaces.

### BACHELOR OF EDUCATION

In accordance with section 3 of Chapter Xb of the By-laws the following Resolutions governing candidature for the degree of Bachelor of Education have been prescribed by the Senate:

1. A course shall consist of lectures, together with such seminars, tutorial instruction, essays, exercises or practical work as may be prescribed. In these Resolutions 'to complete a course' and derivative expressions mean—

- (a) to attend the lectures and the meetings, if any, for seminars or tutorial instruction;
- (b) to complete satisfactorily the essays, exercises and the practical work, if any; and
- (c) to pass the examinations of the course.

2. With regard to the courses selected from those prescribed for the degrees of Bachelor of Arts, Bachelor of Science and Bachelor of Economics mentioned in these Resolutions, a candidate for the degree of Bachelor of Education shall satisfy the prerequisites, corequisites and other requirements for such courses according to the By-laws and Resolutions relating to the degree of Bachelor of Arts, Bachelor of Science and Bachelor of Economics.

3. A candidate for the degree who commenced candidature prior to 1st January 1980 may complete the requirements for the degree in accordance with the Resolutions of the Senate in force at the time the candidate commenced, provided that the candidate shall complete the requirements for the degree by 1st March 1984 or such later date as the Faculty may, in special circumstances, approve.

4. (1) The degree of Bachelor of Education shall be awarded in two grades, namely, the Pass degree and the degree with Honours.

(2) There shall be three classes of Honours, namely, Class I, Class II and Class III and within

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Class II there shall be 2 divisions, namely Division I and Division 2.

(3) Candidates for the Honours degree may be awarded the Pass degree.

### Pass degree

#### 5. PRIMARY AND EARLY CHILDHOOD EDUCATION COURSES

Except with the permission of the Faculty the courses to be completed for the Primary Education and Early Childhood Education strands of the degree are as follows:

In Years I and II, seven courses selected from those prescribed for the degrees of Bachelor of Arts, Bachelor of Science and Bachelor of Economics, together with the course Primary Education I or Early Childhood Education I, taken as follows:

##### Year I

- (1) Philosophy I, Prehistory I, Psychology I or Social Anthropology I;
- (2) and (3) two courses selected from: Economic History I, Economics I, English I, Fine Arts I, Government I, History I, Linguistics I, Mathematics I or General Pure Mathematics, Music I, Philosophy I, Prehistory I, Psychology I, Social Anthropology I, Arabic I, Chinese I, French I, German I, Modern Greek I, Hebrew I, Indonesian and Malayan Studies I, Italian I and Japanese I; and
- (4) one course selected from: Biology I, Biology I—Human, Social and Environmental Biology, Geography I, Geology I, Chemistry I, Physics I or Physics ILS.

##### Year II

- (1) Primary Education I or Early Childhood Education I;
- (2) Education II;
- (3) a Second-Year course prescribed for the degree of Bachelor of Arts, an Intermediate Normal, Intermediate Long or Intermediate Combined course prescribed for the degree of Bachelor of Science or an Intermediate Normal or Intermediate Advanced course prescribed for the degree of Bachelor of Economics; and
- (4) a First or Second-Year course prescribed for the degree of Bachelor of Arts, a Junior or Intermediate Normal, Intermediate Long or Intermediate Combined course prescribed for the degree of Bachelor of Science or a Junior Normal, Intermediate Normal or Intermediate Advanced course prescribed for the degree of Bachelor of Economics.

##### Year III

- (1) Primary Education II or Early Childhood Education II; and
- (2) Education III.

##### Year IV

- (1) Primary Education III or Early Childhood Education III; and
- (2) either—
  - (a) a Second or Third-Year course prescribed for the degree of Bachelor of Arts, an Intermediate Normal, Intermediate Long, Intermediate Combined or Senior course prescribed for the degree of Bachelor of Science or an Intermediate Normal, Intermediate Advanced, Senior Normal or Senior Advanced

course prescribed for the degree of Bachelor of Economics

or—

(b) a special course approved by the Faculty.

#### 6. SECONDARY EDUCATION COURSES

Except with the permission of the Faculty the courses to be completed for the Secondary Education strand of the degree are as follows:

In Years I and II, seven courses selected from those prescribed for the degrees of Bachelor of Arts, Bachelor of Science and Bachelor of Economics, together with the course Secondary Education I, taken as follows:

##### Year I

- (1) Philosophy I, Prehistory I, Psychology I or Social Anthropology I; and
- (2), (3) and (4) three courses selected from First-Year courses prescribed for the degree of Bachelor of Arts, from Junior courses prescribed for the degree of Bachelor of Science or from Junior Normal courses prescribed for the degree of Bachelor of Economics.

##### Year II

- (1) Secondary Education I;
- (2) Education II;
- (3) a Second-Year course prescribed for the degree of Bachelor of Arts, an Intermediate Normal, Intermediate Long or Intermediate Combined course prescribed for the degree of Bachelor of Science or an Intermediate Normal or Intermediate Advanced course prescribed for the degree of Bachelor of Economics; and
- (4) a First or Second-Year course prescribed for the degree of Bachelor of Arts, an Intermediate Normal, Intermediate Long or Intermediate Combined course prescribed for the degree of Bachelor of Science or an Intermediate Normal or Intermediate Advanced course prescribed for the degree of Bachelor of Economics.

##### Year III and Year IV

- (1) Secondary Education II;
- (2) Secondary Education III;
- (3) Education III; and
- (4) either—
  - (a) a Second or Third-Year course prescribed for the degree of Bachelor of Arts, an Intermediate Normal, Intermediate Long, Intermediate Combined or Senior course prescribed for the degree of Bachelor of Science or an Intermediate Normal, Intermediate Advanced, Senior Normal or Senior Advanced course prescribed for the degree of Bachelor of Economics;

or—

(b) a special course approved by the Faculty.

#### 7. HUMAN MOVEMENT EDUCATION COURSES

Except with the permission of the Faculty, the courses to be completed for the Human Movement Education strand of the degree are as follows:

In Years I and II, six courses selected from those prescribed for the degrees of Bachelor of Arts, Bachelor of Science and Bachelor of Economics, together with the course Human Movement Education I, taken as follows:

### **Year I**

Four courses selected from those prescribed for the degrees of Bachelor of Arts, Bachelor of Science and Bachelor of Economics, taken as follows:

- (1) Philosophy I, Prehistory I, Psychology I or Social Anthropology I;
- (2) Biology I or Biology I—Human, Social and Environmental Biology; and
- (3) and (4) two courses selected from First-Year courses prescribed for the degree of Bachelor of Arts, Junior courses prescribed for the degree of Bachelor of Science and Junior Normal courses prescribed for the degree of Bachelor of Economics.

### **Year II**

- (1) Human Movement Education I;
- (2) Education II; and
- (3) a Second-Year course prescribed for the degree of Bachelor of Arts, an Intermediate Normal, Intermediate Long or Intermediate Combined course prescribed for the degree of Bachelor of Science or an Intermediate Normal or Intermediate Advanced course prescribed for the degree of Bachelor of Economics.

### **Year III**

- (1) Human Movement Education II;
- (2) Education III; and
- (3) Health Education or one of the following courses:
  - (a) a Second or Third-Year course prescribed for the degree of Bachelor of Arts;
  - (b) a Senior or Senior Advanced course prescribed for the degree of Bachelor of Science;
  - (c) an Intermediate Combined course or both an Intermediate Normal or Intermediate Long course and an Intermediate Auxiliary or Intermediate Introductory course prescribed for the degree of Bachelor of Science;
  - (d) an Intermediate Normal, Intermediate Advanced, Senior Normal or Senior Advanced course prescribed for the degree of Bachelor of Economics; or
  - (e) a special course approved by the Faculty.

### **Year IV**

- (1) Human Movement Education III; and
- (2) Health Education; or if this course was completed in Year III one of the courses not already completed from section 3 in Year III.

8. (1) A candidate shall not take more than four courses in either Year I or Year II.  
(2) Except with the permission of the Faculty, a candidate shall not take more than three courses in Year III or more than two courses in Year IV.  
(3) Except with the permission of the Faculty, no candidate may proceed to the courses prescribed for Year III until the candidate has fulfilled the requirements of Years I and II.
9. Before a candidate may enrol in Education II, the candidate shall have completed Philosophy I, Prehistory I, Psychology I or Social Anthropology I.
10. Except with the permission of the Faculty a candidate may not take a higher course in any subject without having previously completed the lower course or courses in the same subject or some other course or courses allowed by the Faculty to count as equivalent.
11. A person who has completed work or a course or courses towards a degree at this or another university or towards an equivalent qualification at an appropriate institution may be granted credit towards the de-

gree of Bachelor of Education for up to seven courses provided that the work or the course or courses is considered by the Faculty on the recommendation of the Head of the Department concerned to be equivalent to a course or courses set out in Resolutions 5, 6 or 7.

### **Honours degree**

12. (1) The Honours degree may be awarded in respect of—
  - (a) a professional subject;
  - (b) a non-professional subject; or<sup>9</sup>
  - (c) both a professional subject and a non-professional subject.  
(2) For the purposes of these Resolutions the professional subjects are Primary Education, Early Childhood Education, Secondary Education and Human Movement Education.  
(3) The testamur for honours graduates shall specify the professional and/or the non-professional subject in which the degree has been completed as well as the grade of honours.
13. (1) An applicant for admission to candidature for the Honours degree in a professional subject shall—
  - (a) have completed the requirements for Years I and II of the pass degree;
  - (b) have achieved special merit, as defined by Resolution of the Faculty, in Year I and/or Year II of the Pass degree; and
  - (c) apply in writing to the Registrar, provided that, except with the permission of the Faculty, such application shall be made before the candidate commences Year III.  
(2) An applicant for admission to candidature for the Honours degree in a non-professional subject shall—
  - (a) be qualified for such admission in accordance with the Resolutions of the Senate relating to the degree of Bachelor of Arts, Bachelor of Science or Bachelor of Economics and
  - (b) apply in writing to the Registrar, provided that, except with the permission of the Faculty, such application shall be made before the candidate commences Year II.  
(3) An applicant for admission to candidature for the Honours degree in both a professional subject and a non-professional subject shall satisfy the requirements of both Resolutions 13(1) and 13(2).
14. (1) A candidate admitted in accordance with Resolution 13(1) shall—
  - (a) complete the course Education III;
  - (b) (i) complete at the Honours level the courses of the professional subject prescribed in Years III and IV for the Pass degree and  
(ii) complete at the Honours level such additional work in these courses as the Faculty may prescribe and
  - (c) (i) complete at the Honours level the special course taken in Year III or IV and  
(ii) complete in conjunction with this course a dissertation or special exercise.  
(2) A candidate admitted in accordance with Resolution 13(2) shall—
  - (a) complete the requirements for Years III and IV of the Pass degree, provided that the course in the professional subject prescribed for Year IV of the Pass degree may be completed either in Year IV or, subject to

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- Resolution 17(1)(ii), in a subsequent year of enrolment;
- (b) complete the requirements for the award of Honours in a subject prescribed for the degree of Bachelor of Arts, Bachelor of Science or Bachelor of Economics, provided that the requirements prescribed for the final Honours year of such subject may be completed either in Year IV or, subject to Resolution 17(1)(ii), in a subsequent year of enrolment.
- (3) A candidate admitted in accordance with Resolution 13(3) shall complete all the requirements prescribed in Resolutions 14(1) and 14(2).
15. (1) Notwithstanding the provisions of Resolutions 5, 6 and 7 and except as provided in Resolution 15(2), a candidate for the Honours degree in a subject for which Honours courses are prescribed for the degree of Bachelor of Arts shall satisfy the requirement for Year II if the candidate completes—
- (a) Primary Education I, Early Childhood Education I, Secondary Education I or Human Movement Education I;
- (b) Education II; and
- (c) the work required of an Honours student in the Second-Year course in the subject prescribed for the degree of Bachelor of Arts in which that student seeks Honours.
- (2) Notwithstanding the provisions of Resolutions 5, 6 and 7, a candidate for the Honours degree in Education shall satisfy the requirements for Year II if the candidate completes—
- (a) Primary Education I, Early Childhood Education I, Secondary Education I or Human Movement Education I;
- (b) Education II (Honours); and
- (c) a Second-Year course prescribed for the degree of Bachelor of Arts, an Intermediate Normal, Intermediate Long or Intermediate Combined course prescribed for the degree of Bachelor of Science or an Intermediate Normal or Intermediate Advanced course prescribed for the degree of Bachelor of Economics.
16. A candidate shall have passed an Honours course at the Honours level if the candidate obtains a High Distinction, Distinction or Credit in the annual examination.
17. (1) Except with the permission of the Faculty, a candidate shall not be eligible for the award of the Honours degree unless the candidate completes all the requirements for the degree—
- (i) in the case of Honours in a professional subject, in not more than five years of enrolment; and
- (ii) in the case of Honours in a non-professional subject, in not more than six years of enrolment.
- (2) In considering the award of the Honours degree the Faculty shall take into account a candidate's overall performance in Year III and subsequent years.
18. There shall be no re-examination for Honours.
19. If a candidate graduates with First Class Honours and the Faculty is of the opinion that the work of the candidate is of sufficient merit, the candidate shall receive a bronze medal.
20. A candidate who —
- (a) has been admitted to candidature for the Honours degree in accordance with Resolution 13(2);

- (b) having proceeded in Second Year in accordance with Resolution 15(1) or (2), has completed all the requirements for the Honours degree except for the final Honours Year in the Honours subject; and
- (c) has obtained at least a credit in each of the Second and Third Year courses in the Honours subject;
- may, on application to the Faculty, be held to have qualified for the Pass degree.

21. (1) A person who has been awarded the Pass degree of Bachelor of Education may, with the permission of the Faculty on the recommendation of the Head of the Department or School concerned, be admitted to candidature for the Honours degree in a non-professional subject.
- (2) A candidate admitted to candidature for the Honours degree in accordance with subsection (1) may, subject to Resolution 17, qualify for the Honours degree in the non-professional subject concerned by fulfilling such requirements of the faculty concerned as have not already been met.

### MASTER OF EDUCATION (PASS) AND (HONOURS)

In accordance with Sections 5 and 8 of Chapter Xa of the By-laws, the following Resolutions governing candidature for the degrees of Master of Education (Pass) and Master of Education (Honours) have been prescribed by the Senate:—

1. The degree of Master of Education (Pass) shall be awarded in one grade only, provided that an outstanding candidate may be awarded the degree with merit.
2. (1) The degree of Master of Education (Honours) shall be awarded in two classes of Honours, namely Class I and Class II.
- (2) If a candidate graduates with First Class Honours and the Faculty is of the opinion that the work of the candidate is of sufficient merit, the candidate shall receive a bronze medal.
3. (1) A course shall consist of such seminars, lectures, tutorial instruction, essays, exercises and practical work as may be prescribed by the Faculty on the recommendation of the Head of the School or Department concerned.
- (2) In these Resolutions 'to complete a course' and derivative expressions mean:
- (a) to attend the lectures and the meetings, if any, for seminars or tutorial instruction;
- (b) to complete satisfactorily the essays, exercises and the practical work, if any; and
- (c) to pass the examination of the course.
4. (1) A candidate for the degree of Master of Education (Pass) shall proceed—
- (a) primarily by coursework in accordance with Resolution 5; or
- (b) primarily by research and thesis in accordance with Resolution 6.
- (2) A candidate for the degree of Master of Education (Honours) shall proceed primarily by research and thesis in accordance with Resolution 6.
- (3) A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and, upon completion of this probationary period, the Faculty shall review the candidate's work and either confirm the candidate's status or terminate the candidature.
- (4) In the case of a candidate accepted on a probationary basis under subsection (3), the candidature shall be deemed to have commenced from the date of such acceptance.



5. (1) A candidate for the degree of Master of Education (Pass) proceeding primarily by coursework shall either—
  - (a) complete three full year courses or their equivalent prescribed by the Faculty on the recommendation of the Head of the School or Department concerned and complete an essay as prescribed by the Head of the School or Department concerned; or
  - (b) complete four full year courses or their equivalent prescribed by the Faculty on the recommendation of the Head of the School or Department concerned.(2) Subject to the provisions of Chapter XXVIA of the By-laws, the Faculty may exempt from completing the remaining course or courses or their equivalent prescribed in subsection (1) a candidate who has successfully completed at least two of the full year courses or their equivalent where such candidate is unable to complete further seminars and the Faculty shall require a candidate granted such exemption instead to complete an approved programme of reading and examinations on this reading.
- (3) Students proceeding in accordance with subsection (1)(a) shall lodge with the Registrar two copies of the essay, typewritten and bound, by 1 February of the year in which the candidate proposes to take the degree.
- (4) The Head of the Department concerned shall report the results of the examination of the coursework or equivalent and of the essay to the Faculty which shall determine the result of the candidature.
6. (1) A candidate proceeding primarily by research and thesis shall—
  - (a) complete a thesis on a topic approved by the Faculty on the recommendation of the Head of the School or Department concerned; and
  - (b) complete two full year courses or their equivalent prescribed by the Faculty on the recommendation of the Head of the School or Department concerned; and
  - (c) lodge with the Registrar by 1 February of the year in which the candidate proposes to take the degree three copies of the thesis typewritten, bound and incorporating an abstract of the thesis together with three separate copies of the abstract.(2) Candidates for the degree of Master of Education (Honours) may, in circumstances approved by the Faculty on the recommendation of the Head of the School or Department concerned, be exempted from one or both of the courses prescribed in subsection (1)(b).
- (3) Candidates may in appropriate circumstances be permitted by the Faculty on the recommendation of the Head of the School or Department concerned to substitute an approved programme of reading and examinations on that reading for not more than half the coursework requirements.
- (4) The Faculty, on the recommendation of the Head of the School or Department concerned, shall appoint at least two examiners of the thesis.
- (5) In special cases the Faculty, on the recommendation of the Head of the School or Department concerned, may require the candidate to take a written examination in the area of the thesis.
- (6) The examiners shall report to the Faculty on the thesis, the Head of the School or Department concerned shall report to the Faculty on the coursework, and the Faculty, on the recommendation of the Head of the School or Department concerned, shall determine the result of the candidature based on the candidate's total academic performance for the degree.
7. The Faculty shall appoint, on the recommendation of the Head of the School or Department concerned, a full-time member of the University academic staff to act as supervisor of each candidate.
8. (1) A thesis lodged by a candidate shall be accompanied by a certificate from the supervisor stating that, in the opinion of the supervisor, the form of presentation of the thesis is satisfactory.
- (2) The candidate may not present as the thesis or essay any work which has been presented for a degree at this or another tertiary institution but the candidate will not be precluded from incorporating such in the thesis or essay, provided that the part which has been incorporated is indicated.
9. (1) A full-time candidate shall not present for the award of the degree earlier than the end of the third term of candidature.
- (2) A part-time candidate shall not present for the award of the degree earlier than the end of the sixth term of candidature.
- (3) Except with the permission of the Faculty, all the requirements for the degree must be completed within twelve terms of first admission to candidature.
- (4) Time spent by a candidate in advanced study in the University of Sydney, or in another University, or in another institution which may be deemed by the Faculty to be equivalent, before admission to candidature may be deemed by the Faculty to be time spent after such admission.
10. There shall be an annual review of the progress of each candidate after which the Faculty may:
  - (1) on the recommendation of the Head of the School or Department concerned call upon any candidate to show cause why his candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree; and
  - (2) where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.
11. Where the Head of the School or Department concerned is required to make a recommendation to the Faculty in respect of any person's candidature, the recommendation shall be made only after consultation with the supervisor of the candidate concerned.
12. (1) Where a candidate has been permitted to revise and resubmit a thesis for the degree of Master of Education (Honours), the degree shall not be awarded with first-class honours.
- (2) Subject to section 8 of Chapter Xb of the By-laws and unless the candidate already holds the degree of Master of Education (Pass), a candidate for the degree of Master of Education (Honours) may be awarded the degree of Master of Education (Pass).

#### DIPLOMA IN EDUCATION

In accordance with section 12 of Chapter Xb of the By-laws the following Resolutions governing candidature for the Diploma in Education have been prescribed by the Senate:

1. A course shall consist of lectures, together with such seminars, tutorial instruction, essays, exercises or practical work as may be prescribed. In these Resol-

utions 'to complete a course' and derivative expressions mean—

- (a) to attend the lectures and the meetings, if any, for seminars or tutorial instruction;
  - (b) to complete satisfactorily the essays, exercises and the practical work, if any; and
  - (c) to pass the examinations of the course.
2. The Diploma in Education shall be awarded in two grades, Pass, and, in the case of outstanding candidates, Pass with Merit.
3. An applicant for admission to candidature for the Diploma in Education shall apply in writing to the Registrar for admission.
4. A candidate for the Diploma in Education shall—either
- (a) except with the permission of the Faculty complete the requirements for the Diploma in one year of full-time study subsequently to the completion of the requirements for the award of the degree or equivalent qualification on the basis of which admission to candidature for the Diploma was granted;
  - or
  - (b) complete the requirements for the Diploma concurrently with the completion of the requirements for the award of the degree of the University of Sydney of Bachelor of Arts, Bachelor of Science or Bachelor of Economics.
5. (1) A candidate proceeding in accordance with Resolution 4(a) shall complete work in—
- (a) Foundational Studies in Education;
  - (b) Curriculum Studies; and
  - (c) Practical Teaching.
6. Except with the permission of both the Faculty and the Dean of the Faculty concerned, and subject to Resolution 7, a candidate proceeding in accordance with Resolution 4(b) shall complete the following courses:—

#### *Years I and II*

- (1) (a) (i) in the case of a candidate for the Pass degree of Bachelor of Arts, at least six courses selected from those prescribed for that degree;
  - (ii) in the case of a candidate for the Honours degree of Bachelor of Arts, five courses selected from those prescribed for that degree;
  - (b) in the case of a candidate for the degree of Bachelor of Science, Junior and Intermediate courses selected from those prescribed for that degree with a total number of units of at least 44, of which at least 16 units shall be Intermediate Normal, Intermediate Long or Intermediate Combined courses;
  - (c) in the case of a candidate for the degree of Bachelor of Economics, courses with a total number of units of at least 46, including at least 16 units from Intermediate courses, selected from those prescribed for that degree; and
- (2) Secondary Education I, provided that this course shall be taken in Year II.

#### *Year III*

- (1) (a) in the case of a candidate for the degree of Bachelor of Arts, a Third-Year course prescribed for that degree;
- (b) in the case of a candidate for the degree of Bachelor of Science, a Senior or

Senior Advanced course prescribed for that degree;

- (c) in the case of a candidate for the degree of Bachelor of Economics, a Senior Normal or Senior Advanced course prescribed for that degree;
- (2) Secondary Education II; and
- (3) where required by the Resolutions of the Senate relating to the degree—
- (a) in the case of a candidate for the degree of Bachelor of Arts, a First-Year, Second-Year or Third-Year course prescribed for that degree;
  - (b) in the case of a candidate for the degree of Bachelor of Science, a Junior or Intermediate course prescribed for that degree;
  - (c) in the case of a candidate for the degree of Bachelor of Economics, a Junior Normal, Intermediate Normal or Senior Normal course prescribed for that degree.

#### *Year IV*

- (1) Such one course, if any, as may in the case of that candidate be necessary to complete the requirements for the award of the degree of Bachelor of Arts, Bachelor of Science or Bachelor of Economics; and
  - (2) Secondary Education III.
7. Where the Diploma is to be completed concurrently with completion of the requirements for the award of the Honours degree of Bachelor of Arts or Bachelor of Economics, the candidate may complete all the requirements for the award of the Honours degree as determined by the Resolutions of the Senate for that degree before enrolling in Secondary Education III.
8. A candidate proceeding in accordance with Resolution 4(b) shall not be awarded the Diploma until the candidate has completed all the requirements for both the Bachelor's degree and the Diploma.
9. A candidate whose conduct or work in relation to the courses for the Diploma is unsatisfactory may, on the recommendation of the Head of the School or Department concerned, be refused permission by the Faculty to undertake or continue practical work in the schools.

### **BOARD OF STUDIES FOR THE DIPLOMA IN THE TEACHING OF ENGLISH AS A FOREIGN LANGUAGE**

1. The award of the Diploma shall be supervised by a Board of Studies responsible to the Faculty of Education and consisting of—

- (a) the Dean of the Faculty of Education;
- (b) the Professor of Early English Literature and Language or nominee;
- (c) the Professor of Linguistics or nominee;
- (d) the Head of the School of Teaching and Curriculum Studies or nominee;
- (e) the Co-ordinator of the Diploma in the Teaching of English as a Foreign Language Programme;
- (f) two other members of the Faculty of Arts elected by the Faculty of Arts;
- (g) two other members of the Faculty of Education elected by the Faculty of Education;
- (h) such further persons, if any, not exceeding two, as may be appointed by the Faculty of Education on the recommendation of the aforesaid members.

2. The election of two members of the Faculty of Arts and the two members of the Faculty of Education shall

be held in Lent term of every alternate year, commencing in 1986, and the members so elected shall hold office until the next election. Any member so elected shall be eligible for re-election.

3. The persons appointed by the Faculty of Education shall hold office for two years and shall be eligible for re-appointment.

### **DIPLOMA IN THE TEACHING OF ENGLISH AS A FOREIGN LANGUAGE**

In accordance with Section 14 of Chapter Xb of the By-laws the following Resolutions governing candidature for the Diploma in the Teaching of English as a Foreign Language have been prescribed by the Senate:—

(1) A course shall consist of lectures, together with such seminars, tutorial instruction, essays, exercises or practical work as may be prescribed. In these Resolutions 'to complete a course' and derivative expressions mean—

(a) to attend the lectures, and the meetings, if any, for seminars or tutorial instruction;

(b) to complete satisfactorily the essays, exercises and practical work, if any; and

(c) to pass the examinations of the course.

(2) A candidate for the Diploma shall complete the courses prescribed in a period of not less than one year.

(3) A candidate for the Diploma is required to complete the following courses:

(a) Linguistic Theory; grammar, phonology and semantics, with particular reference to the learning of a foreign and second language;

(b) Principles and methods of teaching English as a foreign or second language;

(c) English language and literature. Individual and social factors in language learning.

### **BY-LAWS CHAPTER Xc**

*[Repealed.]*

## **Degrees and Diploma in Music**

Xa: EDUCATION:  
SENATE RESOLUTIONS  
Xb: MUSIC:  
BY-LAWS

### **BY-LAWS CHAPTER Xd**

1. The degrees and diploma in Music shall be—

(a) Bachelor of Music (B.Mus.);

(b) Master of Music (M.Mus.);

(c) Doctor of Music (D.Mus.); and

(d) Diploma in Musical Composition (Dip.Mus.Comp.).

2. (1) The award of the degrees and diploma shall be supervised by a Board of Studies in Music consisting of—

(a) the Chairman of the Academic Board;

(b) the Dean of the Faculty of Arts;

(c) the Professors, Readers, Associate Professors, Senior Lecturers, Lecturers and Senior Tutors being full-time permanent or full-time temporary members of the teaching staff in the Department of Music;

(d) not more than four other persons appointed by the Academic Board;

(e) not more than two other persons who are members of the Faculty of Arts appointed by the Academic Board on the recommendation of the Faculty of Arts;

(f) not more than two students, at least one of whom is an undergraduate student, elected in the manner and for the period prescribed by resolution of the Senate; and

(g) not more than three persons distinguished in the field of music, appointed by the Senate on the nomination of the Chairman of the Board with the approval of the Board and the Academic Board.

(2) A person appointed to the Board under subsection (1)(d), (e) or (g) shall hold office for a period of 2 years commencing on 1st January following that appointment and shall, if otherwise qualified, be eligible for re-appointment.

(3) Notwithstanding subsection (2), the persons first appointed to the Board under subsection (1)(g) shall hold office for a period of 1 year commencing on 1st January following that appointment and shall be eligible for re-appointment.

(4) At any meeting of the Board, 5 members shall form a quorum.

3. The Board shall at a meeting in Lent Term in every alternate year, elect one of its members as Chairman for the ensuing two years.

<sup>1</sup> See Senate Resolutions following Chapter VIII.

If the office becomes vacant by death, resignation, or otherwise, before the expiration of the full term, a successor shall be elected at a duly convened meeting of the Board to be held as soon as conveniently may be, and the Chairman so elected shall hold office during the remainder of the term.

**4. The Board—**

- (a) shall supervise the teaching in the subjects with which the Board is concerned;
- (b) shall be responsible, with the assistance of such examiners as the Academic Board may, on the report of the Board or of the Chairman, from time to time appoint, for the conduct of examinations in those subjects;
- (c) shall take cognisance of and encourage scholarship and research in those subjects;
- (d) shall consider and report upon all matters referred to it by the Senate or by the Vice-Chancellor or by the Academic Board;
- (e) may consider and report to the Academic Board upon all matters relating to the studies, lectures and examinations for the degrees.

**BACHELOR OF MUSIC**

5. A candidate shall, before beginning courses qualifying for graduation, have matriculated in accordance with Chapter XX of these By-laws.

6. (1) The degree shall be awarded in two grades, namely the Pass degree and the Honours degree.  
(2) There shall be three classes of Honours, namely Class I, Class II and Class III, and within Class II there shall be two Divisions, namely Division I and Division 2.

7. Subject to section 8, a candidate for the degree shall complete such requirements for the degree as may be prescribed by resolution of the Senate from time to time on the recommendation of the Academic Board and the Board of Studies.<sup>1</sup>

8. (1) Subject to subsection (2), a candidate for the degree who commenced his candidature before 1st January, 1976—  
(a) may elect to continue towards the degree in accordance with the By-laws in force immediately before that day; and  
(b) where he so elects, shall complete the requirements for the degree on or before 31st December, 1979, or such later date as the Board of Studies may, in special circumstances, approve.  
(2) A candidate, who, in accordance with subsection (1) is permitted to complete the requirements for the degree after 1st January, 1980, shall complete the requirements for the degree under such conditions as may be determined by the Chairman of the Board of Studies.

**MASTER OF MUSIC**

9. (1) The degree shall be awarded in two grades, namely the Pass degree and the degree with Honours. There shall be two classes of Honours, namely, Class I and Class II.  
(2) Each candidate shall be admitted for the degree with Honours but a candidate failing to attain the standard required by the Board for Honours may be awarded a Pass degree.  
(3) There shall be no re-examination for Honours.

(4) The candidate who at the final examination most distinguishes himself shall, if he possesses sufficient merit, receive a bronze medal.

10. (1) An applicant for admission as a candidate for the degree shall—  
(a) except as provided in Chapter XXVI A or subsection (2) of these By-laws, be a Bachelor of Music of the University of Sydney with First- or Second-Class Honours, and  
(b) submit for the approval of the Head of the Department of Music—  
(i) the subject of a thesis,  
or  
(ii) a proposal for one or more original compositions of a substantial nature, and the subject of a short thesis,  
or  
(iii) a proposed plan of instrumental study leading to one or more instrumental performances in public, and the subject of a short thesis.  
(2) An applicant who is a Bachelor of Music of the University of Sydney but who has not obtained the degree with First- or Second-Class Honours may be admitted as a candidate provided he produces evidence to the satisfaction of the Board of having completed equivalent work.  
(3) An applicant who is a graduate of the University of Sydney, other than a graduate holding a degree supervised by the Board of Studies in Music, may be admitted to candidature for the degree of Master of Music only with the special permission of the Board of Studies in Music.  
11. A candidate shall complete such requirements for the degree as may be prescribed by resolution of the Senate on the recommendation of the Academic Board and the Board of Studies in Music.

**DEGREE OF DOCTOR OF MUSIC**

12. The degree of Doctor of Music shall be awarded on the recommendation of the Board of Studies in Music either:

- (a) for a major musical work or works of the candidate's own composition, or
- (b) for published work being a record of original research undertaken by the candidate, which in the opinion of the examiners is and has been generally recognised by competent authorities as of distinguished merit.

13. A candidate for the degree of Doctor of Music shall either—

- (a) have held the degree of Bachelor of Music of the University of Sydney for at least five years; or
- (b) (i) have held for at least five years the degree of Bachelor of Music or a degree or other qualification of another university or institution determined by the Academic Board on the recommendation of the Board of Studies to be equivalent to the degree of Bachelor of Music of the University of Sydney; and  
(ii) have had such continuing association with the academic work of the University of Sydney and over such period as the Academic Board on the recommendation of the Board of Studies shall determine is appropriate.

14. (1) A candidate shall submit to the Registrar five copies of the work which he wishes to have examined. In the case of original research the candidate shall state the sources from which his information

<sup>1</sup> See Senate Resolutions this chapter.

was derived, the extent to which he has availed himself of the work of others, and the portion of the work he claims as original.

(2) Where the work submitted incorporates work previously submitted for a degree in this or any other university, the candidate shall clearly indicate which portion of the work was so submitted.

15. On receipt of a report from the Board of Studies in Music that the work submitted is *prima facie* worthy of examination for the degree and of a recommendation concerning the examiners to be appointed, the Academic Board shall appoint at least three examiners, of whom at least one shall normally be a member of the Board of Studies in Music, and of whom at least two shall be external examiners.

16. A candidate shall not be recommended for the degree unless the examiners report that the work submitted fulfils the conditions laid down in section 15.

17. On the award of the degree, the Registrar shall lodge one copy of the musical work or works, or published work, with the Librarian.

## DIPLOMA IN MUSICAL COMPOSITION

18. (1) The Board of Studies may admit to candidature for the Diploma in Musical Composition an applicant—

(a) who is a graduate of the University of Sydney; and

(b) who has completed studies in music to the satisfaction of the Head of the Department of Music.

(2) The Academic Board, on the recommendation of the Board of Studies, may admit to candidature for the Diploma in Musical Composition an applicant—

(a) who holds—

(i) a degree or other qualification of a university other than the University of Sydney; or

(ii) a qualification of an institution other than a university, that, in either case, is deemed by the Academic Board, on the recommendation of the Board of Studies to be the equivalent of a degree of the University of Sydney;

and

(b) who has completed studies in music to the satisfaction of the Head of the Department of Music.

19. A candidate shall complete such requirements for the Diploma in Musical Composition as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and the Board of Studies.

## RESOLUTIONS OF THE SENATE

### BACHELOR OF MUSIC

Pursuant to Chapter Xd, section 7 of the By-laws, the following Resolutions governing candidature for the degree of Bachelor of Music have been prescribed by the Senate.

1. In these Resolutions:

(1) the term 'course' means a prescribed course of study extending over one academic year.

(2) the term 'unit' means a prescribed part of a course;

(3) a course or unit shall consist of such lectures, tutorial instruction, essays, exercises or vocal, instrumental or compositional work as may be required by the Head of the Department of Music under the general supervision of the Board of Studies in Music;

(4) 'to complete a course or unit' and derivative expressions mean:

(a) to complete satisfactorily the work of the course or unit as specified in 1 (3);

(b) to pass the tests and examinations of the course or unit.

(5) in a course or unit work of a standard higher than that required for Pass may be recognised by the award of High Distinction, Distinction or Credit;

(6) a candidate who has been prevented by duly certified illness or misadventure from satisfactorily completing a course or unit, or a candidate about whose performance the examiners are in doubt, may be further tested in such way as the Head of the Department of Music, subject to any decision of a meeting of the Board of Examiners, shall determine.

2. A candidate who has completed a course or unit shall be held to have so far qualified for the degree.

3. In these Resolutions:

(1) the Roman numeral I, II, or III placed immediately after the name of a subject means the First Year, Second Year, or Third Year course respectively in that subject;

(2) the Arabic numeral 1, 2 or 3 placed immediately after the name of the subject means the first, second or third unit respectively in that subject.

4. A candidate may not, where lower courses and units are specified, commence course III or unit 3 of a subject before having completed course II or unit 2, nor may a candidate commence course II or unit 2 before having completed course I or unit 1, except that:

(1) in special cases a candidate may be permitted by the Board of Studies to take the course Advanced Counterpoint and Harmony II concurrently with the course Advanced Counterpoint and Harmony I; and

(2) in special cases a candidate may be permitted by the Board of Studies to take the course Composition II concurrently with the course Composition I.

4A. Except with the permission of the Board of Studies, a candidate taking the course Advanced Counterpoint and Harmony I shall take concurrently the course Music II unless that course has been previously completed.

5. (1) Candidates who do not pass the tests and examinations of a course or unit, or who otherwise have not succeeded in completing a course or unit as specified in Resolution 1 (4), and who wish to take that course or unit again, shall, unless exempted by the Chairman of the Board of Studies on the recommendation of the Head of the Department of Music, again attend all lectures and other classes and do again all other work prescribed for the course or unit.

(2) Candidates who take a course or unit again shall not be eligible for any prize or scholarship awarded in connection with that course or unit.

(3) Candidates who have completed a course or unit may not take that course or unit again.

6. (1) A candidate for the degree of Bachelor of Music who holds another degree or a diploma of the University of Sydney or of another institution approved by the Board of Studies may be given credit by the Board of Studies in Music towards the degree for not more than four of the courses set out in Resolution 7 provided that the candidate has completed for the previous degree or diploma a course or courses considered by the Board

of Studies to be equivalent to those in Resolution 7.

(2) A candidate for the degree of Bachelor of Music who has completed a course or courses in a faculty or under another board of studies of the University of Sydney may be given credit by the Board of Studies in Music towards the degree for such courses set out in Resolution 7 as have been completed, provided that the candidate is no longer counting the courses to be credited towards another degree or a diploma.

(3) A candidate for the degree who has completed a course or courses as a candidate for a degree or a diploma of another institution approved by the Board of Studies in Music towards the degree of Bachelor of Music for not more than four of the courses set out in Resolution 7 provided that the courses for which credit is to be given are considered to be equivalent to those in Resolution 7 and that the candidate is no longer counting those courses towards the other degree or a diploma.

7. A candidate for the Pass degree shall, within five academic years or such longer period as the Board of Studies may in special circumstances permit, complete the following courses unless granted credit in accordance with Resolution 6:

(1) Music I<sup>1</sup>, II and III;

(2) Three courses from those listed in the Table of Courses attached to the Resolutions of the Senate relating to the degree of Bachelor of Arts, of which at least one shall be a first year course in a language other than English, and one shall be a second year course, subject to any prescribed prerequisites being met;

(3) Such courses as may be prescribed by the Board of Studies in Music within the subjects Composition, Performance and Musicology.

8. Except with the permission of the Board of Studies, a candidate may not take more than four courses in one academic year.

9. A candidate for the Honours degree shall complete a final Honours Year in music.

10. (1) Subject to Resolution 10(2) a candidate shall, in order to qualify for admission to the final Honours Year in Music:

(a) have qualified for the award of the Pass degree and, except with the permission of the Board of Studies, have gained results of Credit or better in the courses Music I, II and III and in at least half the courses prescribed in accordance with Resolution 7(3);

(b) be considered by the Board of Studies on the recommendation of the Head of the Department of Music to have the requisite knowledge and aptitude for the final Honours Year; and

<sup>1</sup> The First Year course in Music prescribed for the degree of Bachelor of Music may not be taken unless a satisfactory standard has been achieved in (i) either the 3 unit or the 2 unit course in Music at the Higher School Certificate and (ii) a departmental musicianship test. People seeking entry without the HSC qualification must satisfy the Head of the Department that they possess equivalent qualifications and also achieve a satisfactory level of performance in the departmental musicianship test. In addition a test\* in Musical Composition or Instrumental or Vocal Performance supervised by the Head of the Department of Music must be satisfactorily completed by all applicants seeking to enrol in the Bachelor of Music degree course.

\* Note The form of the tests in Musical Composition and Vocal or Instrumental Performance shall be prescribed each year by the Board of Studies in Music. The test will be administered to all applicants who receive an offer of a place in the Bachelor of Music degree course before they are permitted to enrol in the course.

(c) except with the permission of the Board of Studies, be of not more than four years' standing from the date of first enrolment as a candidate for the degree.

(2) An applicant for admission to candidature for the Honours degree on whom the Pass degree of Bachelor of Music has already been conferred shall, before entering the final Honours Year in Music—

(a) meet the requirements of Resolution 10(1); and

(b) have completed such additional work as the Board of Studies in Music, on the recommendation of the Head of the Department of Music, may prescribe.

11. (1) There shall be no re-examination for Honours in Music.

(2) If a candidate graduates with Honours Class I and the Board of Studies is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal.

## MASTER OF MUSIC

In accordance with section 11 of Chapter XD of the By-laws, the Senate has prescribed the following resolutions for the degree of Master of Music:

1. A candidate for the degree of Master of Music shall—

(a) except with the permission of the Board of Studies, attend such courses and pass such examinations, written or oral, as the Board of Studies may prescribe, and

(b) submit for the approval of the Head of the Department of Music—

(i) the subject of a thesis, or

(ii) a proposal for one or more original compositions of a substantial nature, and the subject of a short thesis, or

(iii) a proposed plan of instrumental study leading to one or more instrumental performances in public, and the subject of a short thesis.

2. (1) A full-time candidate shall complete the requirements for the degree not earlier than the end of the third term of candidature and, except with the permission of the Board of Studies on the recommendation of the Head of the Department of Music, not later than the end of the ninth term of candidature.

(2) A part-time candidate shall complete the requirements for the degree not earlier than the end of the sixth term of candidature and, except with the permission of the Board of Studies on the recommendation of the Head of the Department of Music, not later than the end of the eighteenth term of candidature.

3. The Board of Studies, on the recommendation of the Head of the Department of Music, shall appoint at least two examiners of whom at least one shall normally be an external examiner.

4. (1) The reports of the examiners shall be transmitted to the Head of the Department of Music who shall make them available to the Professor of Music, if the Professor is not the Head of the Department, and the Supervisor.

(2) The Head of the Department of Music shall transmit these reports to the Board of Studies together with a recommendation concerning the award of the degree and the Board of Studies shall determine the result of the candidature.

5. Time spent by a candidate in advanced study in the University of Sydney, or in another University, or in

another institution which may be deemed by the Board of Studies to be equivalent, before admission to candidature may be deemed by the Board of Studies to be time spent after such admission.

6. The Board of Studies in Music may—

- (a) on the recommendation of the Head of the Department of Music, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree; and
- (b) where, in the opinion of the Board of Studies, the candidate does not show good cause, terminate the candidature.

### DIPLOMA IN MUSICAL COMPOSITION

Pursuant to Chapter XD, section 21 of the By-laws, the following resolutions governing candidature for the Diploma in Musical Composition have been prescribed by the Senate:

1. A candidate for the Diploma shall—

- (a) complete such courses of study and seminars and participate in such composition and performance activities as the Board of Studies, on the recommendation of the Head of the Department of Music, may prescribe; and
- (b) submit two or more original compositions.

2. The compositions submitted in accordance with resolution 1 (b) shall be accompanied by a declaration by the candidate that they are the candidate's own work and that they were begun and completed during the period of his candidature for the Diploma.

3. Except with the permission of the Board of Studies, a candidate shall complete the requirements for the Diploma in one year of full-time study.

4. The Head of the Department of Music shall report the results of the examination of the courses of study and seminars, of the composition and performance activities and of the original compositions to the Board of Studies which shall determine the result of the candidature.

XD: MUSIC:  
SENATE RESOLUTIONS  
BOARD OF STUDIES  
RESOLUTIONS

## RESOLUTIONS OF THE BOARD OF STUDIES IN MUSIC

Pursuant to Resolution 7(3) of the Resolutions of the Senate relating to the degree of Bachelor of Music the Board of Studies in Music has prescribed the following courses in the first, second and third year, or equivalent, of candidature within the subjects Composition or Performance or Musicology.

Year	Composition		Performance	Musicology	Notes
I	Composition I	OR	Performance I, Performance Practice 1	Students in musicology must follow a programme of study in their first two years as for Composition or Performance	
II	Advanced Counterpoint and Harmony II, Orchestration II and Keyboard II				
	One of: Composition I or Composition II	OR	<i>and either</i> Two of: Performance I or Performance II and Performance Practice 1 or Performance Practice 2	Students in musicology must follow a programme of study in their first two years as for Composition or Performance	Course III of a subject may not be commenced until course II has been completed, nor may course II of a subject be commenced until course I has been completed except as set out in Resolution 4.
III	Advanced Analysis III, Acoustics III and Keyboard III				
	Advanced Counterpoint and Harmony III, Orchestration II, and one of: Performance I and Performance Practice I, Composition II, Composition III	OR	<i>and either</i> One seminar subject, and one of Orchestration III, Composition I, Composition II one seminar, subject, and one of: Performance II and Performance Practice 2, Performance III, Composition I	OR Musicological Method III (Ethnomusicology, Western Musicology), Palaeography III and one of: Orchestration III, Composition I, Composition II, Performance I and Performance Practice I, Performance II and Performance Practice 2, one seminar subject	Candidates who have specialised in either composition or performance in the first two years may continue with the specialisation in year 3 or take the musicology option. Candidates who have completed both Composition I and Performance I and Performance Practice 1 in the first two years may elect to specialise in any one of these strands.

## RESOLUTIONS OF THE ACADEMIC BOARD

### CREDIT FOR WORK COMPLETED ELSEWHERE FOR THE DEGREE OF BACHELOR OF MUSIC

1. A candidate for the degree of Bachelor of Music, who, having qualified to matriculate in the University of Sydney prior to commencing the Second Year of the course for the Diploma of the New South Wales Conservatorium of Music—

- (a) has obtained the Diploma, and
- (b) has completed at least two of the courses from the Faculty of Arts as prescribed for students in the First and Second Years of the course for the degree of Bachelor of Music,

may be admitted to the Third Year (B.Mus.) course in Music provided that he completes satisfactorily in the University of Sydney an examination equivalent in standard to the examination in the Second Year (B.Mus.) course in Music. A candidate who has not completed the three courses from the Faculty of Arts may be permitted by the Board of Studies in Music to take the third year concurrently with the Third Year (B.Mus.) course in Music.

2. A candidate for the degree of Bachelor of Music who, having qualified to matriculate in the University of Sydney prior to commencing the Second Year of the course for the Diploma of the New South Wales Conservatorium of Music, has successfully completed the first two years of the course for the Diploma, may be granted credit for the First Year (B.Mus.) course in Music provided that he completes satisfactorily in the University of Sydney an examination equivalent in standard to the examination in the First Year (B.Mus.) course in Music.

3. A candidate seeking the exemption mentioned in 1. or 2. above shall produce evidence of having the required qualifications to the satisfaction of the Board of Studies in Music.

## Degrees in Social Work

### BY-LAWS CHAPTER Xe

1. The degrees in Social Work shall be—

- (i) Bachelor of Social Work (B.S.W.);
- (ii) Master of Social Work (M.S.W.).

2. (1) The award of the degrees shall be supervised by a Board of Studies in Social Work which shall be constituted as follows:

- (i) the Professors, Readers, Associate Professors, Senior Lecturers, Lecturers, Senior Tutors and Tutors being full-time permanent and full-time temporary members of the teaching staff in the Department of Social Work;
- (ii) the Dean of the Faculty of Arts or his nominee;
- (iii) the Heads of and the Professors in the Departments of Anthropology, Behavioural Sciences in Medicine, Community Medicine, Education, Government and Public Administration, Paediatrics and Child Health, Preventive and Social Medicine, Psychiatry and Psychology;
- (iv) not more than 3 students, undergraduate or postgraduate, elected in the manner prescribed by Senate Resolution<sup>1</sup>;
- (v) not more than 5 part-time members of the teaching staff in the Department of Social Work appointed by the Senate on the recommendation of the persons referred to in clauses (i) to (iv); and
- (vi) not more than eight persons appointed by the Senate on the recommendation of the persons referred to in clauses (i) to (iv) above, of whom at least five persons shall be associated with the professional teaching of the Department.

(2) The members appointed in accordance with subsection (1) (v) or (vi) shall hold office for a period of 2 years commencing on 1st January following their appointment, except that the members appointed in December, 1980, shall hold office until 31st December, 1982.

(3) Members shall be eligible for re-appointment or re-election.

(4) At any meeting of the Board of Studies, eight members shall form a quorum.



3. (1) The Board of Studies shall—
  - (a) supervise the teaching and examining in such subjects as may be provided by the Department of Social Work and prescribed by Resolution of the Senate,
  - (b) be responsible for the conduct of examinations in those subjects with the assistance of such examiners as the Academic Board may, on the recommendation of the Board of Studies or of the Chairman of the Board of Studies, from time to time appoint,
  - (c) take cognisance of and encourage scholarship and research in those subjects,
  - (d) consider and report upon all matters referred to it by the Senate, the Academic Board or the Vice-Chancellor.
- (2) The Board of Studies may consider and report to the Academic Board on all matters relating to the degrees.
4. The Board shall, at its first meeting in every second year, elect as Chairman a member of the Board of Studies who is a Head of a Department or a professor referred to in section 2(1)(iii) and who shall hold office for a period of two years.

#### **DEGREE OF BACHELOR OF SOCIAL WORK**

5. (1) The degree shall be awarded in two grades, namely, the Pass degree and the Honours degree.
- (2) There shall be three classes of Honours namely, Class I, Class II and Class III. Within Class II there shall be two divisions namely, Division 1 and Division 2.
6. A candidate for the degree shall subsequent to matriculation complete such requirements for the degree as may be prescribed by Resolution of the Senate on the recommendation of the Academic Board and the Board of Studies.

#### **DEGREE OF MASTER OF SOCIAL WORK**

7. (1) The degree shall be awarded in one grade only but may be awarded in two classes, namely, a Pass or, where in the opinion of the Board a candidate has attained a specially meritorious pass, a Pass with Merit.
- (2) The candidate who at the final examination most distinguishes himself shall, if he has shown outstanding merit, receive a bronze medal.
8. An application for admission as a candidate for the degree shall, except as provided in Chapter XXVIA of these By-laws—
  - (a) either
    - (i) be a Bachelor of Social Work of the University of Sydney with first-class or second-class Honours, or
    - (ii) being a Bachelor of Social Work of the University of Sydney without first-class or second-class Honours, either produce evidence to the satisfaction of the Board of having completed equivalent work or pass a preliminary examination, or
    - (iii) be a Bachelor of Arts with a Diploma in Social Work, both from the University of Sydney, and (1) have completed work deemed by the Board to be equivalent to that required for the degree of Bachelor of Social Work and (2) pass a preliminary examination, and
  - (b) produce evidence to the satisfaction of the Board of having been engaged in the professional practice of social work for a minimum period of one year full-time or an equivalent period part-time.

9. A candidate for the degree shall complete such requirements for the degree as may be prescribed by resolution of the Senate on the recommendation of the Academic Board and the Board of Studies.

### **RESOLUTIONS OF THE SENATE**

#### **BACHELOR OF SOCIAL WORK**

In accordance with Chapter XE, section 6 of the By-laws, the following Resolutions governing candidature for the degree of Bachelor of Social Studies have been prescribed by the Senate:

1. The definitions for completing a course including the associated fieldwork, the examination requirements and the requirements for those repeating a course are set out in Chapter XXII of the By-laws.
2. For the purposes of these resolutions the first year of candidature for the degree shall be designated the 'Intermediate Year'; the second year of candidature the 'Senior Year'; and the third year of candidature the 'Senior Advanced Year'.
3. Before admission to candidature for the degree an applicant must have—
  - (a) qualified to matriculate under the provisions of Chapter XX of the By-laws; and
  - (b) completed, except as provided in Resolution 15 below, the course Psychology I and two other First Year courses prescribed for the degree of Bachelor of Arts taken in accordance with the resolutions for that degree.

#### **Pass degree**

4. Except as provided in Resolution 15 below a candidate for the degree shall complete the following courses:—
  - (1) In the Intermediate Year—
    - (a) Psychology II;
    - (b) one second year course prescribed for the degree of Bachelor of Arts taken in accordance with the resolutions for that degree; and
  - (c) Social Theory II
  - (2) In the Senior Year—
    - (a) Self Through Society I;
    - (b) Social Work Practice I which includes fieldwork of not less than 50 days; and
  - (c) Social Policy and Administration
  - (3) In the Senior Advanced Year—
    - (a) Self Through Society II;
    - (b) Social Work Practice II which includes fieldwork of not less than 100 days; and
  - (c) Social Policy and Provision.

5. Except with the permission of the Board of Studies a candidate may not proceed to the Senior or Senior Advanced Year of the course until the courses prescribed for the earlier years have been completed.

6. The Department of Social Work shall be responsible for the selection of field-work assignments and, in consultation with practitioners who act as field teachers, for the evaluation of the candidate's performance in the field.

#### **Honours degree**

7. In order to qualify for the award of the Honours degree, a candidate shall, unless otherwise approved by the Board of Studies and except as provided in Resolution 7A—

- (a) have obtained a result of at least Credit in at least two of the courses listed in Resolutions 3(b) and 4(1);
- (b) have completed all courses prescribed for the Intermediate Year;

Xb: MUSIC:  
ACADEMIC BOARD  
RESOLUTIONS

Xc: SOCIAL WORK:  
BY-LAWS

SENATE RESOLUTIONS

- (c) have made application for admission to Honours candidature to the Head of the Department of Social Work before the commencement of the Senior Year, or, in special circumstances, before the commencement of Trinity Term of that year;
  - (d) complete the courses prescribed for the Senior and Senior Advanced Years of the Pass degree within two years; and
  - (e) complete such additional work as the Board of Studies shall prescribe.
- 7A. (1) A person who has qualified for the award of the Pass degree not less than one year and not more than five years previously and who obtained a result of Credit or better in at least two of the courses in the Senior or Senior Advanced Year may be admitted to candidature for the Honours degree.
- (2) Such a candidate shall complete such additional work as the Board of Studies may prescribe.
8. There shall be no re-examination for Honours.
9. The candidate in each Senior Advanced Year who has most distinguished himself or herself in the examinations for the Honours degree shall if he or she has qualified for the award of the degree with First-Class Honours and has shown outstanding merit receive a bronze medal.

#### **Combined Arts/Social Work course**

10. (1) Notwithstanding the provisions of Chapter XIXA of the By-laws a candidate may proceed to the degree of Bachelor of Social Work concurrently with being a candidate for the degree of Bachelor of Arts.
- (2) Such a candidate must have met the requirements of Resolution 3 and may qualify for the award of both degrees on completing the requirements of Resolution 4 and either Resolution 11 or 12 of these Resolutions.

#### **Pass Bachelor of Arts degree**

11. In order to qualify for the award of the Pass degree of Bachelor of Arts a candidate shall fulfil the requirements of Resolution 13 of the Resolutions of the Senate relating to the degree of Bachelor of Arts including the following courses—

- (1) (a) Psychology II; and
- (b) two Second Year courses, other than Social Theory II, chosen from the Table of Courses annexed to Resolution 16 of the Resolutions of the Senate relating to the degree of Bachelor of Arts;
- (2) (a) two Third Year courses chosen from the Table of Courses annexed to Resolution 16 of the Resolutions of the Senate relating to the degree of Bachelor of Arts; and
- (b) Social Theory II, provided that, except with the permission of the Board of Studies, this course may not be taken until the two courses selected under Resolution 11(1)(b) of these Resolutions have been completed.

#### **Honours Bachelor of Arts degree**

12. In order to qualify for the award of the Honours degree of Bachelor of Arts a candidate shall fulfil the requirements of Resolution 14 of the Resolutions of the Senate relating to the degree of Bachelor of Arts including the following courses—

- (1) (a) Psychology II; and
- (b) one Second Year Honours course, other

than Social Theory II, chosen from the Table of Courses annexed to Resolution 16 of the Resolutions of the Senate relating to the degree of Bachelor of Arts;

- (2) (a) one Third Year Honours course chosen from the Table of Courses annexed to Resolution 16 of the Resolutions of the Senate relating to the degree of Bachelor of Arts; and
  - (b) Social Theory II, provided that, except with the permission of the Board of Studies, this course may not be taken until the courses prescribed under Resolution 11(1) of these Resolutions have been completed.
13. (1) A candidate who has completed the courses prescribed in Resolutions 11 or 12 may proceed to the Senior and Senior Advanced Years of candidature for the degree of Bachelor of Social Work in accordance with Resolutions 4 to 9 of these Resolutions.
- (2) In exceptional circumstances the Board of Studies may permit a candidate to take courses prescribed for the Senior and Senior Advanced Years of the degree of Bachelor of Social Work before the courses prescribed for the award of the degree of Bachelor of Arts have been completed.

#### **Time Limits**

14. (1) A candidate who enrolled for the degree of Bachelor of Social Work or concurrently for the degrees of Bachelor of Arts and Bachelor of Social Work prior to 1 January 1985 shall, subject to Resolution 14(2) complete the requirements for the degree or degrees in accordance with the resolutions then in existence.
- (2) A candidate who has been enrolled for the degree of Bachelor of Social Work or has been enrolled concurrently for the degrees of Bachelor of Arts and Bachelor of Social Work but has not re-enrolled for a period of two or more consecutive years shall complete the degree of Bachelor of Social Work under such conditions as the Board of Studies may determine.
- (3) Except with the permission of the Board of Studies and on such conditions as the Board of Studies shall prescribe—
- (a) a candidate for the degree of Bachelor of Social Work proceeding in accordance with Resolution 4 shall complete the requirements for the award of the degree within six years of first enrolment for the degree;
  - (b) a candidate for the degrees of Bachelor of Arts and Bachelor of Social Work proceeding in accordance with Resolutions 11 or 12 shall complete the requirements for the award of the degrees within eight years of first enrolment for the degrees.
  - (4) Notwithstanding the provisions of subsection (3) above, the Board of Studies may reduce the time limit for the completion of the degree of Bachelor of Social Work or the combined degrees of Bachelor of Arts and Bachelor of Social Work by such period as the Board considers appropriate to the amount of credit granted under Resolution 15 below.

#### **Credit**

15. (1) The Board of Studies may, subject to subsections (3), (4) and (5) below, give credit towards the requirements of Resolution 3(b) to an applicant for the degree who has completed courses

considered by the Board of Studies to be equivalent.

(2) The Board of Studies may, subject to sub-sections (3), (4) and (5) below, give credit towards the requirements of Resolution 4, to a candidate for the degree who has completed courses considered by the Board of Studies to be equivalent.

(3) A graduate of a university or a tertiary institution deemed equivalent may be given credit for a total of no more than six courses under sub-sections (1) and (2) above.

(4) A person who has completed work or a course or courses towards a degree in any other university or at an appropriate institution may be given credit for up to six courses under sub-sections (1) and (2) above provided that the person is no longer counting that work or course towards the earlier qualification.

(5) A person who has completed work or a course or courses towards another degree of the University of Sydney may be given credit for any number of courses under sub-sections (1) and (2) above provided that the person is no longer counting that work or course towards the other degree.

(5A) A person who holds a diploma, other than an associate diploma, which has been awarded by an Australian tertiary institution other than a university and which is accredited by the Australian Council on Tertiary Awards, may be given credit for one specified or unspecified course for the degree.

(6) In granting credit under sub-sections (1) and (2) above the Board of Studies may require supplementary work to be undertaken and may impose conditions in respect of further courses to be taken to meet the requirements for the degree.

## MASTER OF SOCIAL WORK

In accordance with section 9 of Chapter XE of the By-laws the following resolutions governing candidature for the degree of Master of Social Work have been prescribed by the Senate:

1. A candidate for the degree of Master of Social Work shall attend such seminars as the Board of Studies may prescribe and proceed by:

- (a) research and thesis in accordance with Resolution 2;
- (b) coursework, research and thesis, in accordance with Resolution 3; or
- (c) coursework and short thesis in accordance with Resolution 4.

2. (1) A candidate proceeding by research and thesis shall:

- (a) carry out supervised research on a topic approved by the Board of Studies on the recommendation of the Head of the Department of Social Work;
- (b) write a thesis embodying the results of this research; and
- (c) lodge with the Registrar three copies of this thesis, typewritten and bound.

(2) The Board of Studies, on the recommendation of the Head of Department, shall appoint at least two examiners of the thesis, of whom at least one shall normally be an external examiner.

(3) The examiners shall report to the Board of Studies which shall determine the result of the examination.

(4) In special cases the Board of Studies, on the recommendation of the Head of the Department of Social Work, may require the candidate to take an examination in the area of the thesis.

3. (1) A candidate proceeding by coursework, research and thesis shall:

- (a) attend such courses of study and pass such examinations in each course as the Board of Studies, on the recommendation of the Head of the Department of Social Work, shall prescribe;
- (b) complete a thesis on a topic approved by the Board of Studies on the recommendation of the Head of the Department of Social Work; and
- (c) lodge with the Registrar three copies of the thesis, typewritten and bound.

(2) The Board of Studies, on the recommendation of the Head of the Department of Social Work, shall appoint at least two examiners of the thesis, of whom at least one may be an external examiner.

(3) The examiners shall report to the Board of Studies which shall determine the result of the examination.

4. (1) A candidate proceeding by coursework and short thesis shall:

- (a) attend such courses of study and pass such examinations in each course as the Board of Studies, on the recommendation of the Head of the Department of Social Work, shall prescribe;
- (b) complete a thesis on a topic approved by the Board of Studies on the recommendation of the Head of the Department of Social Work;
- (c) lodge with the Registrar three typewritten copies of the thesis.

(2) The Board of Studies, on the recommendation of the Head of the Department of Social Work, shall appoint at least two examiners of the thesis, of whom at least one may be an external examiner.

(3) The examiners shall report to the Board of Studies which shall determine the result of the examination.

5. The Board of studies shall appoint, on the recommendation of the Head of the Department of Social Work, a full-time member of the University academic staff to act as supervisor of the candidate.

6. (1) In any thesis lodged by a candidate the candidate shall state generally in a preface and specifically in notes the sources from which the information in the thesis was taken, the extent to which the candidate has made use of the work of others and the portion of the thesis which is claimed as original.

(2) A thesis lodged by a candidate shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.

7. (1) A full-time or part-time candidate shall not present himself or herself for examination for the degree earlier than the end of the third or sixth term of candidature respectively and, except with the permission of the Board of Studies on the recommendation of the Head of the Department of Social Work, later than the twelfth term of candidature.

(2) Time spent by a candidate in advanced study in the University of Sydney, or in another university, or in another institution which may be deemed by the Board of Studies to be equivalent, before admission to candidature may be deemed by the Board of Studies to be time spent after such admission.

8. The Board of Studies may:
  - (a) on the recommendation of the Head of the Department of Social Work, call upon any candidate to show cause why the candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree; and
  - (b) where, in the opinion of the Board of Studies, the candidate does not show good cause, terminate the candidature.
9. Where the Head of the Department of Social Work is required to make a recommendation under Resolutions 2, 3, 4 and 8 above, the Head shall do so only after consultation with the supervisor of the candidate concerned.
10. (1) A candidate may be accepted by the Board of Studies on a probationary basis for a period not exceeding twelve months and on completion of this probationary period, the Board of Studies shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.
  - (2) The candidature of a candidate accepted in accordance with subsection (1) shall be deemed to have commenced from the date of such acceptance.

## Faculty of Law

### BY-LAWS CHAPTER XI

1. (a) The Faculty of Law shall comprise the following persons—
  - (i) The Professors, Readers, Associate Professors, Senior Lecturers and Lecturers in the subjects of the curriculum in Law, being full-time permanent and temporary members of the teaching staff,
  - (ii) such part-time members of the teaching staff as have responsibility for the general conduct of particular courses in the curriculum in respect of which they are appointed,
  - (iii) such Fellows of the Senate as are members of the legal profession,
  - (iv) a barrister appointed by the Senate on the nomination of the New South Wales Bar Association,
  - (v) a solicitor appointed by the Senate on the nomination of the Law Society of New South Wales,
  - (vi) the Dean of the Faculty of Arts,
  - (vii) the Dean of the Faculty of Economics,
  - (viii) the Dean of the Faculty of Science,
  - (ix) a graduate in Law, being enrolled as a candidate for a postgraduate degree or diploma in the Faculty, elected, in a manner prescribed by Resolution of the Senate<sup>1</sup>, by such of his fellow candidates as are graduates in Law, provided that—
    - (1) the period of membership of a person elected under this paragraph shall be fixed by Resolution of the Senate and shall not exceed one year but such a person, being otherwise qualified, shall be eligible for re-election;
    - (2) if a person being a member so elected subsequently becomes a member of the Faculty by virtue of the operation of paragraph (x), or if he ceases to be enrolled as a candidate for a postgraduate degree or diploma in the Faculty, his membership under this paragraph shall immediately terminate;
    - (3) if a person being a member of the Faculty by virtue of the operation of paragraph (x) subsequently becomes a member by virtue of the operation of this paragraph

<sup>1</sup> See Senate Resolutions following Chapter VIII.

and continues to be a member by virtue of both paragraphs for a period of four months, his membership under this paragraph shall thereupon terminate; and

- (4) where a vacancy occurs before the period of membership ends such vacancy may be filled in a manner as prescribed by Resolution of the Senate from time to time;
- (x) the President, for the time being, of the Sydney University Law Society (so long as such Society is recognised by the University) provided that he either is a graduate in Law or is a candidate for the degree of Bachelor of Law in the Faculty;
- (xi) two students, being enrolled as candidates for the degree of Bachelor of Laws in the Faculty but not including a candidate referred to in paragraph (xii), elected, in a manner prescribed by Resolution of the Senate,<sup>1</sup> by their fellow candidates, provided that—
  - (1) the period of membership of a person elected under this paragraph shall be fixed by Resolution of the Senate and shall not exceed one year but such a person, being otherwise qualified, shall be eligible for re-election;
  - (2) if a person being a member so elected subsequently becomes a member of the Faculty by virtue of the operation of paragraph (x), or if, not having become a graduand or graduate in the Faculty, he ceases to be enrolled as a candidate for the degree of Bachelor of Laws, his membership under this paragraph shall immediately terminate;
  - (3) if a person being a member of the Faculty by virtue of the operation of paragraph (x) subsequently becomes a member by virtue of the operation of this paragraph and continues to be a member by virtue of both paragraphs for a period of four months, his membership under this paragraph shall thereupon terminate; and
  - (4) where a vacancy occurs before the period of membership ends such vacancy may be filled in a manner as prescribed by Resolution of the Senate from time to time;
- (xii) a student, being enrolled as a candidate for the degree of Bachelor of Arts, Bachelor of Economics or Bachelor of Science and enrolled in the course Legal Institutions or the course Public Law, elected, in a manner prescribed by Resolution of the Senate<sup>1</sup>, by students who are enrolled as candidates for the degree of Bachelor of Arts, Bachelor of Economics or Bachelor of Science and who are enrolled in the course Legal Institutions or the course Public Law, provided that—
  - (1) the period of membership of a person elected under this paragraph shall be fixed by Resolution of the Senate and shall not exceed one year but such a person, being otherwise qualified, shall be eligible for re-election;
  - (2) if a person being a member so elected subsequently becomes a member of the

Faculty by virtue of the operation of paragraph (x), or if, not having become a graduand or graduate in the Faculty candidacy for a degree in which provided a qualification for his election, he ceases to be a candidate for a degree in that Faculty, or if because of discontinuance or failure to enrol he is not proceeding with any one of the courses Legal Institutions, Public Law, Common Law, Contracts or Torts, his membership shall thereupon terminate;

- (3) if a person being a member of the Faculty by virtue of the operation of paragraph (x) subsequently becomes a member by virtue of the operation of this paragraph and continues to be a member by virtue of both paragraphs for a period of four months, his membership under this paragraph shall thereupon terminate; and
  - (4) where a vacancy occurs before the period of membership ends such vacancy may be filled in a manner as prescribed by Resolution of the Senate from time to time;
  - (xiii) the Dean of the Faculty of Law of the University of New South Wales; and
  - (xiv) the Clerk to the Faculty of Law, provided he is a graduate in Law.
- (b) Each of the Deans of the Faculties of Arts, Economics and Science and of the Faculty of Law of the University of New South Wales may appoint a member of his respective Faculty to attend meetings of the Faculty of Law in his place, either for a particular meeting or for any length of time not exceeding his term as such Dean and with full power to speak and vote thereat on his behalf.
2. There shall be four degrees granted in the Faculty of Law, viz.:—Bachelor of Laws (LL.B.), Master of Laws (LL.M.), Doctor of Philosophy (Ph.D.) and Doctor of Laws (LL.D.).

### **BACHELOR OF LAWS**

3. Candidates for the degree of Bachelor of Laws (LL.B.) shall, before admission to the Law School, produce evidence of having matriculated in accordance with Chapter XX.

4. Candidates for the degree of Bachelor of Laws shall complete such requirements for the degree as may be prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty of Law.

5. A candidate who is proceeding towards the degree of Bachelor of Arts under the former section 25A of Chapter X of these By-laws will be deemed to have satisfied the requirements to have completed the courses for the first year for 5-year candidates in the degree of Bachelor of Laws if he has completed 3 courses, being Legal History or Legal Institutions, Constitutional Law I or Public Law, and Torts.

### **DOCTOR OF LAWS**

6. The degree of Doctor of Laws shall not be conferred except as prescribed in Chapter XIXB of these By-laws.

### **MASTER OF LAWS**

7. (1) The degree of Master of Laws shall be awarded in two grades, namely, the Pass degree and the degree with Honours.

XE: SOCIAL WORK:  
SENATE RESOLUTIONS  
XI: LAW:  
BY-LAWS

<sup>1</sup> See Senate Resolutions following Chapter VIII.

- (2) There shall be two classes of Honours, namely, Class I and Class II.
8. Applications for admission to candidature for the degree of Master of Laws shall be made in writing to the Registrar.
9. (1) Except as provided in Chapter XXVIA of these By-laws, an applicant may be admitted to candidature if the applicant has completed the requirements for the degree of Bachelor of Laws of the University of Sydney.  
(2) An applicant may only be admitted to candidature under Chapter XXVIA of these By-laws if the applicant is either—  
(a) the holder of a degree in law of another university or a college of advanced education; or  
(b) a person deemed by the Faculty and by the Academic Board to have standing equivalent to that required of a graduate of the University of Sydney for admission to candidature for the degree of Master of Laws.
10. (1) Applications for admission to candidature shall be lodged with the Registrar and dealt with in the manner prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.  
(2) A candidate for the degree of Master of Laws shall complete the requirements for the degree in the manner prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

#### DIPLOMAS

11. There shall be three diplomas granted in the Faculty, namely the Diploma in Criminology (Dip. Crim.), the Diploma in Jurisprudence (Dip. Jur.), and the Diploma in Labour Relations and the Law (Dip. Lab. Relations and the Law).
12. Applications for admission to candidature for any of the diplomas shall be made in writing to the Registrar.
13. Admission to candidature for any of the diplomas may be granted—  
(a) to an applicant who has completed the requirements for a degree of Bachelor of the University of Sydney;  
or  
(b) on the recommendation of the Faculty and with the approval of the Academic Board—  
(i) to a graduate of another university or tertiary institution; or  
(ii) to any person who furnishes evidence which satisfies the Faculty that that person is qualified to enter upon systematic courses of study in the subject matter of the diploma for which that person is an applicant for admission.
14. (1) Applications for admission to candidature to any of the diplomas shall be lodged and dealt with in the manner prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.  
(2) A candidate for a diploma shall complete the requirements for the diploma in the manner prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

#### DOCTOR OF PHILOSOPHY

15. The degree of Doctor of Philosophy (Ph.D.) shall not be conferred except as prescribed in Chapter XIXD of these By-laws.

## RESOLUTIONS OF THE SENATE

### BACHELOR OF LAWS

#### Old Resolutions

In accordance with Chapter XI, Section 4 of the By-laws the following Resolutions governing candidature for the degree of Bachelor of Laws have been prescribed by the Senate:

1. (1) These resolutions shall apply—  
(a) to a candidate who commences his candidature after 1st January, 1974 and before 1st January, 1980; and  
(b) to a candidate who commenced his candidature prior to 1st January, 1974 and who elects to proceed under these resolutions subject to—  
(i) the approval of the Dean of the Faculty;  
(ii) any direction of the Faculty, and  
(iii) the availability of the appropriate courses.
- (2) A candidate who elects to complete the requirements for the degree in accordance with subsection (1) (b) shall receive such credit for courses for the degree as the Faculty may prescribe.
- (3) Subject to subsection (4) a candidate who does not elect to complete the requirements for the degree in accordance with subsection (1) (b) shall complete the requirements for the degree on or before 31st December, 1978.
- (4) A candidate to whom subsection (3) applies and who does not complete the requirements for the degree prior to 31st December, 1978 shall complete the requirements for the degree under such conditions as the Faculty may prescribe.
- (5) In the case of any candidate who might be prejudiced by any change in the curriculum the Dean of the Faculty may, subject to any resolutions of the Faculty, give such directions as to attending lectures and passing examinations and give such credit for courses completed as the circumstances may require.
2. (1) A course shall consist of lectures, together with such tutorial instruction, essays, exercises or practical work as may be prescribed.  
(2) In these resolutions 'to complete a course' and derivative expressions mean—  
(a) to attend the lectures and the meetings, if any, for tutorial instruction;  
(b) to complete to the satisfaction of the examiners such essays, exercises, practical work and examinations as may be prescribed.

#### Law Course

3. (1) Subject to sections 4, 4A, 4B and 4C a candidate for the degree shall complete the following courses:
- I. In the First Year—  
Contracts  
Criminal Law  
Legal Institutions  
Torts
  - II. In the Second Year—  
Commercial Law I  
Federal Constitutional Law  
Principles of Equity  
Public Law  
Real Property
  - III. In the Third Year—  
Commercial Law II  
Conflict of Laws  
Jurisprudence  
Trusts and Succession

#### IV. In the Fourth Year—

Four of the following courses:  
Industrial and Commercial Property  
Industrial Law and Labour Relations  
Land Dealings  
Litigation  
Revenue Law  
The Family in Society  
Comparative Law  
Criminology  
Law and Social Justice  
Legal History  
Public International Law  
Roman Law

provided that on the recommendation of the Dean—

- (i) the Faculty may determine which of the courses will be offered in any particular year, but not so as to reduce below six the number of courses offered;
  - (ii) the Faculty, with the approval of the Academic Board, may determine to offer in any particular year, a further course or courses but not so as to offer, under this clause, more than two additional courses in any such year;
  - (iii) the Faculty may allow a candidate credit, instead of a course or courses—
    - (a) for courses completed under a previous curriculum offering of the Faculty of Law in the University of Sydney;
    - (b) for law courses in subjects not available in the Faculty of Law in the University of Sydney completed or to be completed at a University.
- (2) Subject to section 5, a candidate proceeding in accordance with subsection (1) shall not proceed to the next Year until he has completed all the courses of the preceding Year.

#### Combined Arts/Law Course

4. (1) This section shall apply to a candidate for the degrees of Bachelor of Arts and Bachelor of Laws under Chapters X and XI of the By-laws.

(2) Such a candidate shall complete in the Faculty of Law:

- (a) while enrolled for the degree of Bachelor of Arts under section 25 of the Resolutions of the Senate relating to the degree of Bachelor of Arts, the subjects Legal Institutions, Public Law and Common Law (Comprising Torts and Contracts) and

- (b) either after qualifying for admission to the degree of Bachelor of Arts or, with the permission of the Dean of the Faculty of Law, concurrently with qualifying for admission to that degree, the following courses for the degree of Bachelor of Laws:

##### IV. In the Fourth Year:

Commercial Law I  
Criminal Law  
Federal Constitutional Law  
Principles of Equity  
Real Property

##### V. In the Fifth Year:

Commercial Law II  
Conflict of Laws  
Jurisprudence  
Trusts and Succession

- (3) Subject to section 5, a candidate proceeding in accordance with this section shall not proceed to the next Year of study until he has completed all the courses of the preceding Year of study.

#### Combined Economics/Law Course

4A (1) This section shall apply to a candidate for the degrees of Bachelor of Laws and Bachelor of Economics under Chapters XI and XVIII of the By-laws.

(2) Such a candidate shall complete in the Faculty of Law:

- (a) while enrolled for the degree of Bachelor of Economics under section 9 of the Resolutions of Senate relating to the Degree of Bachelor of Economics, the subjects Legal Institutions, Public Law, Torts and Contracts and

- (b) either after qualifying for admission to the degree of Bachelor of Economics or, with the permission of the Dean of the Faculty of Law, concurrently with qualifying for admission to that degree, the following courses for the degree of Bachelor of Laws:

##### IV. In the Fourth Year:

Commercial Law I  
Criminal Law  
Federal Constitutional Law  
Principles of Equity  
Real Property

##### V. In the Fifth Year:

Commercial Law II  
Conflict of Laws  
Jurisprudence  
Trusts and Succession

- (3) Subject to section 5, a candidate proceeding in accordance with this section shall not proceed to the next Year of study until he has completed all the courses of the preceding Year of study.

#### Graduate Law Course A

4B. (1) This section shall apply to a candidate for the degree of Bachelor of Laws to whom neither section 4 nor section 4A applies and who—

- (a) has completed the requirements for either the degree of Bachelor of Arts or the degree of Bachelor of Economics in the University of Sydney; or

- (b) is a member of such class of graduates of the University of Sydney or any other university as may be approved by the Faculty of Law; or

- (c) is a graduate not mentioned in paragraph (a) or paragraph (b) of this sub-section but is granted equivalent status by the Faculty of Law.

- (2) After qualifying for admission to a degree mentioned in sub-section (1) hereof such a candidate may be admitted to the Faculty of Law.

- (3) Such a candidate shall complete the following courses for the degree of Bachelor of Laws:

##### I. In the First Year:

Contracts  
Criminal Law  
Legal Institutions  
Torts

##### II. In the Second Year:

Commercial Law I  
Federal Constitutional Law  
Principles of Equity  
Public Law  
Real Property

##### III. In the Third Year:

Commercial Law II  
Conflict of Laws  
Jurisprudence  
Trusts and Succession

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(4) Subject to section 5, a candidate proceeding in accordance with this section shall not proceed to the next Year of study until he has completed all the courses of the preceding Year of study.

#### Graduate Law Course B

4C. (1) A person who is entitled to proceed as a candidate for the degree of Bachelor of Laws under sections 4, 4A or 4B may elect to proceed instead as a candidate under this section.

(2) Such a candidate shall complete, in addition to the courses mentioned in section 4, section 4A or section 4B as the case may be, four optional courses selected from those mentioned in subsection (1) of section 3 in the paragraph headed 'IV. In the Fourth Year'.

(3) Subject to section 5, the optional courses mentioned in sub-section (2) shall be begun in a separate year in the Faculty of Law after the completion of all other requirements for the degree of Bachelor of Laws.

(4) Subject to section 5, a candidate proceeding in accordance with this section shall not proceed to the next Year of study until he has completed all the courses of the preceding Year of study.

5. In special cases the Dean of the Faculty may in writing vary the order in which courses are to be taken notwithstanding the provision of these or any other Resolutions made under Chapter XI.

6. Unless exempted by the Dean of the Faculty who shall be subject to the direction of that Faculty, a candidate who fails to complete a course shall comply with section 2(2) when repeating that course.

7. (1) First class or Second class Honours may be awarded at graduation.

(2) The candidate who distinguishes himself most highly at graduation shall, if of sufficient merit, receive a bronze medal.

8. A candidate shall not be eligible for any scholarship or prize awarded for proficiency in any Year, course or courses unless he completes the Year, course or courses within the minimum time provided in these Resolutions or within one year thereafter.

9. A candidate shall be exempt from completing any course for the degree which formed part of his course for the degree of Bachelor of Arts or for the degree of Bachelor of Economics.

10. [*Repealed* provided that the rights and expectations of candidates who have already commenced their course for the degree of Bachelor of Laws in accordance with the Resolutions of the Senate in force prior to this appeal shall be preserved.]

#### BACHELOR OF LAWS

##### 1980 Resolutions

In accordance with Chapter XI, section 4 of the By-laws the following Resolutions governing candidature for the degree of Bachelor of Laws have been prescribed by the Senate:

<sup>1</sup> The repealed section 10 reads as follows:—

10. (1) The Dean of the Faculty may, upon written application by a candidate, grant exemption from completing one or more of the four courses selected from the courses referred to in section 3(1) IV and 4(1) VI if—

(a) the candidate has completed the requirements for either the degree of Bachelor of Arts or the degree of Bachelor of Economics of the University of Sydney, or

(b) the candidate, not being a graduate referred to in subsection (1)(a), is a member of such class of graduates of the University of Sydney or any other university as may be approved by the Faculty.

(2) Where a candidate is a graduate other than those referred to in subsection (1), the Faculty may grant the exemption referred to in subsection (1).

1. (1) These Resolutions shall apply—
  - (a) to a candidate who commences his candidature after 1st January, 1980; and
  - (b) to a candidate who commences his candidature prior to 1st January, 1980 and who elects to proceed under these Resolutions, subject to—
    - (i) the approval of the Dean of the Faculty;
    - (ii) any direction of the Faculty; and
    - (iii) the availability of the appropriate courses.

(2) A candidate who elects to complete the requirements for the degree in accordance with subsection (1)(b) shall receive such credit for courses for the degree as the Faculty may prescribe.

(3) Subject to subsection (4) a candidate who does not elect to complete the requirements for the degree in accordance with subsection (1)(b) shall complete the requirements for the degree on or before 31st December, 1987.

(4) A candidate to whom subsection (3) applies and who does not complete the requirements for the degree prior to 31st December, 1987 shall complete the requirements for the degree under such conditions as the Faculty may prescribe.

(5) In the case of any candidates who might be prejudiced by any change in the curriculum the Dean of the Faculty may, subject to any Resolutions of the Faculty, give such directions as to attending lectures and passing examinations and give such credit for courses completed as the circumstances may require.

2. (1) A course shall consist of lectures, together with such tutorial instruction, essays, exercises or practical work as may be prescribed.
- (2) In these Resolutions 'to complete a course' and derivative expressions mean—
  - (a) to attend the lectures and the meetings, if any, for tutorial instruction;
  - (b) to complete to the satisfaction of the examiners such essays, exercises, practical work and examinations as may be prescribed.

#### Law Course

3. Subject to sections 4, 4A, 4B, 4C and 4D a candidate for the degree shall complete the following courses:

- I. In the First Year—
  - Contracts
  - Criminal Law
  - Legal Institutions
  - Torts
- II. In the Second Year—
  - Commercial Law I
  - Federal Constitutional Law
  - Principles of Equity
  - Public Law
  - Real Property

- III. In the Third Year—
  - Commercial Law II
  - Conflict of Laws
  - Jurisprudence
  - Succession

One or two of the following elective courses:—

- Anti-discrimination Law
- Comparative Law
- Conveyancing
- Criminology
- Employment and Industrial Law
- Environmental Law
- Evidence
- Industrial and Commercial Property



Law and Social Justice  
 Legal History  
 Public International Law  
 Revenue Law  
 Roman Law  
 The Family in Society

IV. In the Fourth Year—

Four of the following extended courses:—

Anti-discrimination Law (Extended course)  
 Comparative Law (Extended course)  
 Conveyancing (Extended course)  
 Criminology (Extended course)  
 Employment and Industrial Law (Extended course)  
 Environmental Law (Extended course)  
 Industrial and Commercial Property (Extended course)  
 Law and Social Justice (Extended course)  
 Legal History (Extended course)  
 Litigation  
 Public International Law (Extended course)  
 Revenue Law (Extended course)  
 Roman Law (Extended course)  
 The Family in Society (Extended course)

provided that

- (i) a candidate who took only one elective course in Year III shall in Year IV take a further elective course chosen from those elective courses listed in III; and
- (ii) a candidate may not count towards his degree both an elective course listed in III and the corresponding extended course listed in IV.

**Combined Arts/Law Course**

4. (1) This section shall apply to a candidate for the degrees of Bachelor of Arts and Bachelor of Laws under the provisions of the Resolutions of the Senate made pursuant to section 4 of each of Chapters X and XI of the By-laws.

(2) Such a candidate shall complete in the Faculty of Law—

- (a) while enrolled for the degree of Bachelor of Arts under section 25 of the Resolutions of the Senate relating to the degree of Bachelor of Arts, the subjects Legal Institutions, Public Law and Common Law (comprising Torts and Contracts) and
- (b) either after qualifying for admission to the degree of Bachelor of Arts or, with the permission of the Dean of the Faculty of Law, concurrently with qualifying for admission to that degree, the following courses for the degree of Bachelor of Laws:—

IV. In the Fourth Year—

Commercial Law I  
 Criminal Law  
 Federal Constitutional Law  
 Principles of Equity  
 Real Property

V. In the Fifth Year—

Commercial Law II  
 Conflict of Laws  
 Jurisprudence  
 Succession

Two of the following elective courses:—

Anti-discrimination Law  
 Comparative Law  
 Conveyancing  
 Criminology  
 Employment and Industrial Law  
 Evidence  
 Industrial and Commercial Property  
 Law and Social Justice  
 Legal History  
 Public International Law  
 Revenue Law  
 Roman Law  
 The Family in Society

provided that the Dean may permit a candidate to substitute for one of the elective courses listed in V an extended course listed in section 3 IV.

**Combined Economics/Law Course**

4A. (1) This section shall apply to a candidate for the degrees of Bachelor of Laws and Bachelor of Economics under the provisions of the Resolutions of the Senate made pursuant to section 4 of each of Chapters XI and XVIII of the By-laws.

(2) Such a candidate shall complete in the Faculty of Law—

- (a) while enrolled for the degree of Bachelor of Economics under section 9 of the Resolutions of Senate relating to the degree of Bachelor of Economics the subjects Legal Institutions, Public Law, Torts and Contracts and
- (b) either after qualifying for admission to the degree of Bachelor of Economics or, with the permission of the Dean of the Faculty of Law, concurrently with qualifying for admission to that degree, the following courses for the degree of Bachelor of Laws:—

IV. In the Fourth Year—

Commercial Law I  
 Criminal Law  
 Federal Constitutional Law  
 Principles of Equity  
 Real Property

V. In the Fifth Year—

Commercial Law II  
 Conflict of Laws  
 Jurisprudence  
 Succession

Two of the following elective courses:—

Anti-discrimination Law  
 Comparative Law  
 Conveyancing  
 Criminology  
 Employment and Industrial Law  
 Evidence  
 Industrial and Commercial Property  
 Law and Social Justice  
 Legal History  
 Public International Law  
 Revenue Law  
 Roman Law  
 The Family in Society

provided that the Dean may permit a candidate to substitute for one of the elective courses listed in V an extended course listed in section 3 IV.

**Combined Science/Law Course**

4B. (1) This section shall apply to a candidate for the degrees of Bachelor of Laws and Bachelor of Science under the provisions of the Resolutions of

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the Senate made pursuant to section 4 of each of Chapters XI and XIII of the By-laws.

(2) Such a candidate shall complete in the Faculty of Law—

- (a) while enrolled for the degree of Bachelor of Science under section 15A of the Resolutions of Senate relating to the degree of Bachelor of Science the subjects Legal Institutions, Public Law, Torts and Contracts; and
- (b) either after qualifying for admission to the degree of Bachelor of Science or, with the permission of the Dean of the Faculty of Law, concurrently with qualifying for admission to that degree, the following courses for the degree of Bachelor of Laws:

IV. In the Fourth Year—

Commercial Law I  
Criminal Law  
Federal Constitutional Law  
Principles of Equity  
Real Property

V. In the Fifth Year—

Commercial Law II  
Conflict of Laws  
Jurisprudence  
Succession

Two of the following elective courses:—

Anti-discrimination Law  
Comparative Law  
Conveyancing  
Criminology  
Employment and Industrial Law  
Evidence  
Industrial and Commercial Property  
Law and Social Justice  
Legal History  
Public International Law  
Revenue Law  
Roman Law  
The Family in Society

provided that the Dean may permit a candidate to substitute for one of the elective courses listed in V an extended course listed in section 3 IV.

**Graduate Law Course A**

4c. (1) This section shall apply to an applicant for admission to candidature for the degree of Bachelor of Laws to whom none of sections 4, 4A or 4B applies and who—

- (a) has completed the requirements for a degree of Bachelor of the University of Sydney; or
- (b) is a member of such class of graduates of such university as may be approved by the Faculty of Law; or
- (c) is a graduate not mentioned in paragraph (a) or (b) of this subsection, but is granted equivalent status by the Faculty of Law.

(2) After qualifying for admission to a degree mentioned in subsection (1) hereof an applicant may be admitted to candidature for the degree of Bachelor of Laws.

(3) Such a candidate shall complete the following courses for the degree of Bachelor of Laws:

I. In the First Year—

Contracts  
Criminal Law  
Legal Institutions  
Torts

II. In the Second Year—

Commercial Law I  
Federal Constitutional Law  
Principles of Equity

Public Law

Real Property

III. In the Third Year—

Commercial Law II

Conflict of Laws

Jurisprudence

Succession

Two of the following elective courses:—

Anti-discrimination Law  
Comparative Law  
Conveyancing  
Criminology  
Employment and Industrial Law  
Evidence  
Industrial and Commercial Property  
Law and Social Justice  
Legal History  
Public International Law  
Revenue Law  
Roman Law  
The Family in Society

provided that the Dean may permit a candidate to substitute for one of the elective courses listed in III an extended course listed in section 3 IV.

**Graduate Law Course B**

4b. (1) A person who is entitled to proceed as a candidate for the degree of Bachelor of Laws under section 4, 4A, 4B or 4C may elect to proceed instead as a candidate under this section.

(2) Such a candidate shall complete, in addition to the courses mentioned in section 4, 4A, 4B or 4C as the case may be, four extended courses from those listed in section 3 IV, provided that a candidate proceeding under this section—

(i) who took only one elective course in the penultimate year of the course shall in the final year take a further elective course chosen from those elective courses listed in section 3 III which he has not already completed; and

(ii) may not count towards his degree both an elective course listed in section 3 III and the corresponding extended course listed in section 3 IV.

(3) Subject to section 5, the elective courses mentioned in subsection (2) shall be begun in a separate year in the Faculty of Law after the completion of all other requirements for the degree of Bachelor of Laws.

5. A candidate proceeding in accordance with the provisions of section 3, 4, 4A, 4B, 4C or 4D shall not progress to the next Year until he has completed all the courses of the preceding Year, provided that the Dean of the Faculty, in special cases, may in writing vary the order in which courses are to be taken notwithstanding the provisions of these or any other Resolutions made under Chapter XI.

6. On the recommendation of the Dean—

(i) the Faculty may determine which of the elective courses will be offered in any particular year;

(ii) the Faculty, with the approval of the Academic Board, may determine to offer in any particular year a further course or courses but not so as to offer, under this section, more than two additional courses in any such year;

(iii) the Faculty may allow a candidate credit towards the requirements for the degree—  
(a) for a course or courses completed under a previous curriculum offering of the

Faculty of Law in the University of Sydney; and

- (b) for a law course or courses in a subject or subjects not available in the Faculty of Law in the University of Sydney completed or to be completed at a University and the Faculty shall in allowing such credit designate in respect of which course or courses credit is allowed.

7. Unless exempted by the Dean, who shall be subject to the direction of the Faculty, a candidate who fails to complete a course shall comply with section 2 (2) when repeating that course.

8. (1) First class or Second class Honours may be awarded at graduation.

(2) First Class Honours candidates whose work is, in the opinion of the Board of Examiners, of sufficient merit shall receive a bronze medal.

9. A candidate shall not be eligible for any scholarship or prize awarded for proficiency in any Year, course or courses unless he completes the Year, course or courses within the minimum time provided in these Resolutions or within one year thereafter.

10. A candidate shall be exempt from completing any course for the degree which formed part of his course for the degrees of Bachelor of Arts, Bachelor of Economics or Bachelor of Science.

## MASTER OF LAWS

In accordance with section 10 of Chapter XI of the By-laws, the Senate has prescribed the following resolutions for the degree of Master of Laws.

1. In these resolutions unless the context or subject-matter otherwise requires—

*'Board'* means the Board of Postgraduate Studies appointed by the Faculty pursuant to section 13 of Chapter VIII of the By-laws.

*'candidate'* and derivative expressions include a coursework candidate and a thesis candidate but not a preliminary student.

*'coursework candidate'* means a candidate proceeding to the degree under resolutions 15–27 of these resolutions.

*'degree'* means the degree of Master of Laws referred to in section 2 of Chapter XI of the By-laws.

*'preliminary student'* means a person classified as a preliminary student under resolution 6 or 17 of these resolutions.

*'Standing Committee'* means any Standing Committee appointed pursuant to resolution 2 of these resolutions.

*'thesis candidate'* means a candidate proceeding to the degree under resolutions 5–14 of these resolutions.

2. The Board shall annually appoint a Standing Committee consisting of three Professors in the Faculty of Law and the Sub-Dean having responsibility for the time being for postgraduate matters.

3. (i) The Standing Committee may exercise any or all of the powers and functions conferred on it by these resolutions or by the Board, either generally or in a particular case.

(ii) The Standing Committee shall not be required to hold formal meetings and, subject to Chapter VIII of the By-laws, may discharge its powers and functions in such manner as it sees fit.

4. A candidate may proceed to the degree either under resolutions 5–14 of these resolutions or under resolutions 15–27 of these resolutions.

## Thesis candidates

5. (a) A thesis candidate shall apply in writing for approval by the Board of the subject of the proposed thesis.

(b) Such application may be made at any time.

(c) The Board, on the recommendation of the Head of the Department concerned, shall appoint a full-time member of the academic staff of the University to act as supervisor of each candidate.

6. Applicants for admission to candidature, who have not been admitted, may be classified as preliminary students which class shall consist of those who may not be admitted to candidature until they have completed preliminary examinations prescribed by the Standing Committee in respect of each applicant at a level satisfactory to that Committee.

7. A thesis candidate shall enrol within three weeks after acceptance as a candidate and thereafter re-enrol at the beginning of Lent Term in each year.

8. Before each re-enrolment the candidate shall submit to the Dean of the Faculty a short statement of the work done by the candidate in the preceding twelve months.

9. *[Repealed.]*

10. A thesis candidate shall present to the Faculty a thesis in the subject approved by the Board. The thesis shall, in the opinion of the examiners, be a substantial contribution to the subject concerned.

11. At least once per term during the period of candidature a thesis candidate shall personally consult with such supervisor or supervisors as the Board may appoint provided that the Board may dispense with this requirement in which case the candidate shall submit such written reports as the Board may require.

12. (a) A full-time thesis candidate shall present three copies of the thesis not less than one year and not more than two years after the date of admission to candidature.

(b) A part-time thesis candidate shall present the thesis not less than two years and not more than four years after the date of approval of the subject of the thesis.

(c) These periods may be varied by the Standing Committee on the application of the candidate.

13. The Board, on the recommendation of the appropriate Head of Department, shall appoint such examiners as it thinks fit to examine a candidate for the degree.

14. The grade at which the degree shall be awarded to a successful thesis candidate pursuant to section 7 of Chapter XI of the By-laws shall be determined by the Board in the light of the reports of the examiners in each case.

## Coursework candidates

15. Applications for admission to candidature for the degree by course work shall be lodged with the Registrar by the end of November prior to the first year of intended candidature provided that late applications may be accepted with the permission of the Dean or Sub-Dean (Postgraduate) in exceptional circumstances.

16. Applications for admission to candidature for the degree shall be referred to the Standing Committee which shall place its recommendations on such applications before the next meeting of the Board including any recommendation restricting the choice of courses by any candidate.

17. Applicants for admission to candidature, who have not been admitted, may be classified as prelimi-

nary students which class shall consist of those who may not be admitted to candidature until they have completed preliminary examinations prescribed by the Standing Committee in respect of each applicant at a level satisfactory to that Committee.

18. Each preliminary student shall be required to sit for a preliminary examination which must be taken at the University.

19. A preliminary student who, without permission, fails to sit for the preliminary examination or who sits for the examination and fails will not be permitted to sit for the examination on a second occasion save in exceptional circumstances and with the approval of the Standing Committee.

20. A course work candidate shall—

- (a) enrol each year in accordance with the procedure prescribed by the University;
- (b) attend such courses and pass such examinations as the Faculty shall prescribe;
- (c) comply with the attendance requirements of the Faculty;
- (d) if eligible, be permitted to enrol for an honours dissertation.

21. A full-time candidate may enrol for the honours dissertation at the same time as enrolling for the prescribed courses.

22. A part-time candidate may not enrol for more than two courses in one year and may not enrol for the honours dissertation unless deemed eligible or invited to do so by the Standing Committee or its nominee.

23. A candidate shall not be given any credit towards the requirements for a Master of Laws degree in respect of work completed for a diploma within the Faculty.

24. With the approval of the Standing Committee, a course work candidate may be granted credit for courses completed towards an equivalent degree in another Law School provided that—

- (a) credit may not be given for more than two courses;
- (b) the candidate may not take courses in the Master of Laws curriculum substantially similar to courses for which credit has been given;
- (c) credit may not be given for work done in the other Law School as satisfying the requirements for an honours dissertation;
- (d) the candidate provides evidence in writing from such other Law School that he or she is not proceeding to completion of an equivalent degree at such other Law School and provides evidence that the candidate has not sought and will not seek credit at that Law School for courses completed towards the degree in this Faculty.

25. A candidate enrolling for the honours dissertation must nominate a topic for the dissertation for approval by the Sub-Dean (Postgraduate). The Sub-Dean's approval shall be subject to the receipt of a recommendation from the lecturer in the relevant course, that the topic is suitable.

26. A candidate shall complete all the requirements for the degree within six years (excluding years of suspended candidature) from the date of first enrolment as a candidate except in special circumstances and with the approval of the Standing Committee. Where a candidate has not completed all the requirements for the degree within such period, the Standing Committee may, pursuant to Resolution 32(c) of these Resolutions, call upon the candidate to show cause why the candidature should not be terminated by reason of unsatisfactory progress.

27. The grades in which the degree may be awarded under section 7 of Chapter XI of the By-laws shall be determined as follows in the case of a course work candidate:

- (a) Pass may be awarded where a candidate has completed four courses.
- (b) Honours may be awarded to candidates who have in addition to completing the four courses submitted an honours dissertation in accordance with these Resolutions and who have in those courses and the dissertation achieved a satisfactory standard as determined by the Faculty.

#### General

28. A person who has completed with sufficient merit all the examinations of the Supreme Court of New South Wales Joint Examinations Board may be admitted to candidature under Chapter XXVI of the By-laws.

29. The Board, on the recommendation of the Standing Committee, may deem time spent or work done towards the degree of Doctor of Philosophy by a candidate before admission to candidature for the degree to be time spent or work done after admission, provided the candidate has ceased to be a candidate for the degree of Doctor of Philosophy.

30. A person may be permitted to enrol in a course for the degree as a postgraduate non-degree student in the following cases:

- (a) if the applicant is the holder of a recognised postgraduate degree in law and the Standing Committee or its nominee approves of the application to so enrol;
- (b) if, not being within the terms of paragraph (a) of this resolution, the applicant satisfies the Standing Committee—
  - (i) that there are exceptional circumstances applicable to the applicant's case; and
  - (ii) that, had the applicant applied for admission to candidature for the degree, the applicant would have been admitted as a category A or category B candidate.

31. A person who is not enrolled may be permitted to attend lectures or classes in a course for the degree in the following cases:

- (a) if the person is a member of the teaching staff of the University of Sydney and the lecturer in the course consents;
- (b) if the person is a thesis candidate whose supervisor has advised attendance at such lectures;
- (c) by invitation of the lecturer in the course in an exceptional case. Such invitations shall normally be issued only if the person invited has knowledge and experience such that the person can be expected to make a special contribution to the classes attended.

32. In addition to exercising the powers conferred on it elsewhere in these resolutions the Standing Committee may—

- (a) on written application by a candidate or preliminary student grant a suspension of candidature or studentship on such grounds and on such conditions as the Standing Committee thinks fit; any period of suspension of candidature or studentship so granted shall not be counted towards any period of time within which the degree would otherwise have been required to be completed;
- (b) on written application permit a candidate who has been admitted to candidature but

has not enrolled for a first time or a person classed as a preliminary student who has not enrolled as such for a first time to defer enrolment for a period of one year. This power may also be exercised by the Standing Committee or its nominee;

- (c) call upon any candidate or preliminary student to show cause why the candidature or studentship should not be terminated by reason of unsatisfactory progress. For the purpose of this resolution unsatisfactory progress in the case of a course work candidate shall include (but not be limited to) failures in any two courses for the degree or two failures in one course. For this purpose, the paper referred to in resolution 18(d) of these resolutions shall be treated as a course. The Standing Committee may, where in its opinion the candidate or the student does not show good cause why the candidature or studentship should not be terminated, recommend to the Board that the candidature or studentship should be terminated. In that event the Board may terminate a candidature or a studentship;
- (d) recommend to the Board restrictions on the courses to be taken by course work candidates either generally or in any particular case.

## DIPLOMAS

In accordance with section 14 of Chapter XI of the By-laws, the Senate has prescribed the following resolutions for the Diploma in Criminology, the Diploma in Jurisprudence and the Diploma in Labour Relations and the Law.

1. (a) Applications for admission to candidature for any diploma shall be lodged with the Registrar by the end of November prior to the first year of intended candidature, provided that—
  - (i) applications from intending candidates whose eligibility depends on examination results which are not available by the above date shall be lodged within seven days after such examination results are available;
  - (ii) the Dean or the Dean's nominee may extend the above time limits generally or in a particular case.
- (b) applications shall be considered by the Board of Postgraduate Studies in the Faculty of Law who may admit applicants to candidature.
- (c) The Board of Postgraduate Studies may delegate to the Sub-Dean for Postgraduate Studies the power to admit or the power to recommend the admission of applicants who satisfy the requirements of section 13 of Chapter XI of the By-laws.
2. (a) All candidates for the Diploma in Criminology and the Diploma in Labour Relations and the Law shall attend the courses of instruction in four of the courses prescribed for the respective Diplomas from time to time by the Faculty.
- (b) All candidates for the Diploma in Jurisprudence shall attend the courses of instruction in two of the courses prescribed for that Diploma from time to time by the Faculty.
- (c) Lecturers in all courses shall keep rolls or attendance records.

- (d) A candidate for any diploma whose attendance record at classes in a course for which he or she is enrolled is unsatisfactory may be refused permission to take the annual assessment in that course. A candidate refused such permission shall be deemed to have discontinued the course without failure.
- (e) For the purposes of this resolution attendance at less than 70 per cent of scheduled classes shall be deemed to be an unsatisfactory attendance record.

3. All candidates for the Diploma in Criminology and the Diploma in Labour Relations and the Law shall—

- (a) complete such practical and written work as may be prescribed by lecturers with the approval of the Faculty; and
- (b) pass the annual assessment as prescribed by the Faculty in all courses attended.

Candidates who fail to satisfy the requirements of paragraph (a) of this resolution in any course may be refused permission to present themselves at the annual assessment in that course and shall thereupon be deemed to have failed the said course.

4. All candidates for the Diploma in Jurisprudence shall—

- (a) present an essay on a problem within the subject-matter of the said diploma, the subject of the essay to be approved by the Head of the Department of Jurisprudence;
- (b) carry out such research or written work as may from time to time be prescribed with the approval of the Head of the Department of Jurisprudence;
- (c) pass the annual assessment as prescribed in all courses attended.

Candidates who fail to satisfy the requirements of paragraph (b) of this resolution in any course may be refused permission to present themselves at the annual assessment in that course and shall thereupon be deemed to have failed the said course.

5. (a) All candidates for diplomas shall complete the courses prescribed in the order approved by the Dean and shall complete all requirements for the diploma during a period of not less than one academic year and of not more than two academic years from first enrolment in the diploma provided that such period may be varied by the Dean on application by a candidate.
- (b) On written application the Dean may permit a candidate who has been admitted to candidature but who has not enrolled for a first time to defer enrolment for a period of one year.
- (c) The Dean may call upon any candidate for a diploma to show cause why the candidature should not be terminated by reason of unsatisfactory progress towards the completion of the diploma. The Dean may, where in the Dean's opinion the candidate does not show good cause why he or she should be permitted to continue the candidature, recommend to the Board of Postgraduate Studies that the candidature be terminated. In that event the Board may terminate a candidature.
- (d) The Dean may delegate his or her powers under (a), (b) or (c) to a Sub-Dean.

6. No candidate for a diploma shall be given any credit towards the requirements of a diploma in respect of work completed for the Master of Laws degree or for any other diploma in the Faculty.

7. Any candidate for a diploma who, without per-

mission of the Faculty or the Dean, discontinues a year or course after the end of Michaelmas term shall be deemed to have failed such year or course.

8. The Sub-Dean for Postgraduate Studies, with the approval of the Head of Department concerned, may certify that candidates have satisfied all the requirements for the award of the diploma and that the diploma may therefore be awarded.

## RESOLUTIONS OF THE FACULTY OF LAW

### BOARD OF EXAMINERS

Pursuant to section 12 of Chapter VIII of the By-laws the Faculty appoints the following as members of the Board of Examiners which shall be responsible for the conduct of examinations in respect of candidates for the degree of Bachelor of Laws:

- (i) the Professors, Readers, Associate Professors, Senior Lecturers and Lecturers in the subjects of the curriculum in Law, being full-time permanent and temporary members of the teaching staff, and
- (ii) such part-time members of the teaching staff as have responsibility for the general conduct of particular courses in the curriculum in respect of which they are appointed.

### BOARD OF POSTGRADUATE STUDIES

Pursuant to section 13 of Chapter VIII of the By-laws the Faculty appoints the following board of postgraduate studies:

- (i) the Professors, Readers, Associate Professors, Senior Lecturers and Lecturers in the subjects of the curriculum in Law, being full-time, permanent and temporary members of the teaching staff, and
- (ii) such part-time members of the teaching staff as have responsibility for the general conduct of particular courses in the curriculum for the Bachelor of Laws, for the Master of Laws by coursework, or for the Diploma in Criminology, in Jurisprudence or in Labour Relations and the Law.

### DEGREE OF MASTER OF LAWS

1. A coursework candidate must attend classes and seminars in accordance with the requirements of Faculty Resolution 2 in four of the courses prescribed by the Faculty as courses leading to the degree and pass the assessments in these courses.

2. (a) A coursework candidate whose attendance record at classes in a course for which he or she is enrolled is unsatisfactory may be refused permission to take the annual assessments in that course. A candidate refused such permission shall be deemed to have discontinued the course with permission.
- (b) For the purpose of this resolution, attendance at less than 70 per cent of scheduled classes shall be deemed to be an unsatisfactory attendance record.
- (c) Lecturers in classes shall keep rolls or attendance records.

3. A coursework candidate shall complete in the courses undertaken such written and oral exercises and essays and any combination of these as the Standing Committee may prescribe or approve and the results of such exercises and essays may be taken into

account in determining the candidate's results in assessments in those courses.

4. Except as provided for in Resolution 5 or where the Standing Committee otherwise directs the primary assessment in a course for the degree will be an unseen written examination not exceeding four hours' duration. Such examination to count for at least 60% of the year's mark for that course.

5. A candidate may elect to be examined in *one* of the four courses undertaken by submission of a long essay on a topic approved by the lecturer in charge of the course concerned.

The essay shall be not less than 12 000 words nor more than 20 000 words in length and shall be submitted by the prescribed date for the annual examination in the course in the year of enrolment.

6. A candidate who elects to be examined by long essay will normally be expected to fulfil all other course attendance and assessment requirements of the Faculty. However in special circumstances and with the approval of the Standing Committee a candidate may be permitted to undertake the examination by long essay in a course not being offered in that year.

7. Results of the examinations in each course shall be published in grades of High Distinction, Distinction, Credit and Pass. The range of marks for each grade shall be as follows:

High Distinction	85%–100%
Distinction	75%–84%
Credit	65%–74%
Pass	50%–64%

An Order of Merit in each course shall be published.

8. A part-time candidate is deemed eligible to enrol for an honours dissertation if he or she obtains an average mark of 70 or above determined from the marks obtained in the three best courses of the four courses attempted. The Standing Committee may in exceptional circumstances allow a candidate to enrol for the Honours dissertation before all four courses have been completed.

9. The topic of the dissertation to be submitted as part of the requirements for the award of the degree with honours shall be nominated by the candidate and approved by the Sub-Dean (Postgraduate) after receipt of a recommendation from the lecturer in the course most concerned. When nominating a topic the candidate shall outline briefly the matter to be dealt with in the dissertation. The dissertation shall not be less than 20 000 words and not more than 30 000 words in length.

10. The dissertation will be marked out of 200 and will, for the purposes of calculating the final grade for honours, count as two courses.

11. (a) Honours may be awarded to a candidate who has completed four courses and the honours dissertation and will be calculated using the marks of the three best courses and the dissertation or all four courses and the dissertation, whichever is the higher.

(b) Where a candidate has failed one subject but has been deemed eligible to undertake the honours dissertation, the candidate's final grade will be determined by taking the average of his or her *four* best subjects; and

(c) any explanations offered for a failure should be put to the Board by the candidate at his or her earliest convenience.

12. First Class Honours may be awarded where a candidate's average mark in the courses and dissertation required is 85 per cent or above, with a discretion in the Board to award first class honours in special cases where a candidate's average mark is below 85 per cent.

Second Class Honours may be awarded where a candidate's average mark as aforesaid falls within the range 78–84 per cent, with a discretion in the Board to award second class honours in special cases where a candidate's average mark is below 78 per cent.

Pass may be awarded where a candidate's average mark as aforesaid falls within the range 50–77 per cent.

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# Faculty of Medicine

XI: LAW:  
SENATE RESOLUTIONS  
FACULTY RESOLUTIONS  
XII: MEDICINE:  
BY-LAWS

## BY-LAWS CHAPTER XII

1. The Faculty of Medicine shall comprise the following persons:

- (a) the Professors, Readers, Associate Professors, Directors, Senior Lecturers, Lecturers and Senior Tutors, being full-time members of the teaching staff and those persons upon whom the Senate has conferred the title of Professor, Reader, Associate Professor, Director, Senior Lecturer or Lecturer in the departments of Anaesthetics, Anatomy, Behavioural Sciences in Medicine, Biochemistry, Cancer Medicine, Community Medicine, Histology and Embryology, Infectious Diseases, Medicine, Obstetrics and Gynaecology, Ophthalmology and Eye Health, Paediatrics and Child Health, Pathology, Pharmacology, Physiology, Psychiatry and Surgery and in the School of Public Health and Tropical Medicine, the Clinical Immunology Research Centre and the Neurobiology Research Centre;
- (b) the University Lecturers in Medical Jurisprudence, Diseases of the Ear, Nose and Throat and Diseases of the Skin;
- (c) the Heads of the Schools of Chemistry and Physics or their representatives, the Professor of Mathematical Statistics, the Dean of the Faculty of Arts or his nominee and the Dean of the Faculty of Dentistry or his nominee;
- (d) unless he is a member pursuant to subsection (a), the Director of the Commonwealth Institute of Health;
- (e) not more than seventeen persons each of whom shall be a nominee of a teaching hospital and of whom—
  - (i) not more than thirteen shall each be a nominee of one of the following hospitals—
    - Royal Prince Alfred Hospital
    - Sydney Hospital
    - The Royal North Shore Hospital of Sydney
    - Repatriation General Hospital, Concord
    - Lidcombe Hospital
    - The Parramatta Hospitals, Westmead Centre

Royal Alexandra Hospital for Children  
The Women's Hospital (Crown Street)  
St Margaret's Hospital for Women  
Mater Misericordiae Hospital, North  
Sydney  
Rozelle Hospital  
Parramatta Psychiatric Centre  
Macquarie Hospital; and

- (ii) not more than four are, for the time being, appointed in the manner prescribed by resolution of the Senate<sup>1</sup> from teaching hospitals specified by the Senate other than those listed in subclause (i);
  - (f) the Wardens of the clinical schools at the Royal Prince Alfred Hospital, Sydney Hospital, The Royal North Shore Hospital of Sydney, the Repatriation General Hospital, Concord and Lidcombe Hospital;
  - (g) the General Superintendents of the Royal Prince Alfred Hospital, the Royal North Shore Hospital of Sydney, the Parramatta Hospitals, Westmead Centre and the Royal Alexandra Hospital for Children, and the Medical Superintendents of Sydney Hospital, the Repatriation General Hospital, Concord and Lidcombe Hospital;
  - (h) not more than five students appointed in the manner prescribed by resolution of the Senate;<sup>2</sup>
  - (i) such Fellows of the Senate as are legally qualified members of the medical profession;
  - (j) the Director of Postgraduate and Continuing Medical Education;
  - (k) one nominee each of the Royal Australasian College of Physicians, the Royal Australasian College of Surgeons, the Royal College of Obstetricians and Gynaecologists, the Royal College of Pathologists of Australia, the Royal Australian College of General Practitioners and the Australian and New Zealand College of Psychiatrists who may be a member of the Faculty by virtue of one of subsections (a) to (j) inclusive;
  - (l) the members of the Postgraduate Committee in Medicine who are not members of the Faculty by virtue of one of subsections (a) to (k) inclusive; and
  - (m) such other persons as may be appointed by the Senate on the nomination of the Dean of the Faculty of Medicine with the approval of the Faculty and the Academic Board, provided that any person appointed pursuant to this subsection shall be appointed for a period of 3 years and shall be eligible for re-appointment.
2. The degrees in the Faculty shall be—
- (a) Bachelor of Medicine (M.B.)
  - (b) Bachelor of Surgery (B.S.)
  - (c) Doctor of Medicine (M.D.)
  - (d) Master of Surgery (M.S.)
  - (e) Doctor of Philosophy (Ph.D.)
  - (f) Bachelor of Science (Medical) (B.Sc. (Med.))
  - (g) Master of Public Health (M.P.H.).
  - (h) Master of Medicine (M.M.)

#### **BACHELOR OF MEDICINE AND BACHELOR OF SURGERY**

3. A candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery shall, subsequent to ma-

triculation, complete such requirements as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

4. A person who enrolled as a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery before 1st January, 1974, and who had not, at that date, completed the requirements for those degrees shall complete the requirements for the degrees under such conditions as may be prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

5. Bachelors of Medicine, Bachelors of Surgery and Masters of Surgery of this University shall not possess any right to assume the title of Doctor of Medicine.

#### **DOCTOR OF MEDICINE**

6. The degree of Doctor of Medicine shall be awarded on the recommendation of the Faculty for an original contribution of distinguished merit, adding to the knowledge or understanding of any subject with which the Faculty is directly concerned.

7. A candidate for the degree of Doctor of Medicine shall either—

- (a) have held the degree of Bachelor of Medicine of the University of Sydney for at least five years; or
- (b) (i) have held for at least five years the degree of Bachelor of Medicine or a degree or other qualification of another university or institution determined by the Academic Board on the recommendation of the Faculty to be equivalent to the degree of Bachelor of Medicine of the University of Sydney; and
- (ii) have had such continuing association with the academic work of the University of Sydney and over such period as the Academic Board on the recommendation of the Faculty shall determine is appropriate.

8. (1) A candidate shall submit to the Registrar five copies of the thesis, thesis supported by published work, or published work alone, which he wishes to have examined. The work submitted shall be a record of original research undertaken by the candidate who shall state the sources from which his information was derived, the extent to which he has availed himself of the work of others and the portion of the work he claims as original.

(2) If the work submitted records work carried out conjointly irrespective, in the case of published work, of whether it had been published in the candidate's sole name or under conjoint authorship, the candidate shall state the extent to which he was responsible for the initiation, conduct and direction of such conjoint research.

(3) Where the work submitted incorporates work previously submitted for a degree in this or in any other university, the candidate shall clearly indicate which portion of the work was so submitted.

(4) If published work is submitted, either reprints or copies of such work shall be properly bound. The bound work shall include an introduction describing the theme of the published work submitted, and stating how the various publications are related to one another and to the theme.

(5) To establish *prima facie* worthiness for examination of published work, a candidate may, before submitting published work, submit to the

<sup>1</sup> See Senate Resolutions this chapter.

<sup>2</sup> See Senate Resolutions following Chapter VIII.

<sup>1</sup> See Senate Resolutions this chapter.



Faculty a list of publications and the introduction required by subsection (4) of this section.

9. On receipt of a report from the Faculty that the thesis or published work is *prima facie* worthy of examination for the degree, and of a recommendation concerning the examiners to be appointed, the Academic Board shall appoint at least three examiners, of whom at least one shall be an external examiner.

10. (1) A candidate shall not be recommended for admission to the degree unless the examiners report that the thesis or published work submitted by the candidate fulfils the conditions prescribed in section 6.

(2) A candidate may be required to undertake such written or oral examination in the subject of the thesis or published work as the Faculty may determine.

(3) A candidate for the degree who is resident abroad may, in exceptional circumstances, be examined in the subject of the thesis or published work at any Medical School approved by the Faculty, on condition that any expense involved shall be met by the candidate.

10A. On the award of the degree, the Registrar shall lodge one copy of the published work or thesis with the Librarian.

### MASTER OF SURGERY

11. The degree of Master of Surgery shall not be conferred until the expiration of five academic years from the granting of the degrees of Bachelor of Medicine and Bachelor of Surgery.

12. Candidates for this degree must produce evidence that they have had special training in Surgery and that they have been engaged in a manner approved by the Faculty in the special full-time study and practice of Surgery, or of some special branch of Surgery, for a period of at least three years.

13. Candidates for this degree shall submit to the Registrar four copies of a thesis, not already presented as a thesis for any degree, on some surgical subject. This thesis shall be a record of special investigations undertaken by the candidate and show clearly by appropriate references the extent to which the candidate is indebted for any portion to any other person and be accompanied by a declaration signed by the candidate that the thesis is composed by him.

14. The Faculty, if it considers the thesis is *prima facie* worthy of examination for the degree, shall appoint at least three examiners, of whom at least one shall be external. The degree will be awarded only if the thesis is regarded as an original contribution of distinguished merit adding to the knowledge and understanding of the subject.

15. Each candidate shall be required to pass a clinical examination in the branch of Surgery which he professes. In special cases the Faculty may by resolution exempt a candidate from this examination.

16. Graduates who have been admitted to the former degree of Master of Surgery (Ch.M.) may be admitted as candidates for the degree of Master of Surgery (M.S.) on the same conditions as holders of the degree of Bachelor of Medicine (M.B.) and Bachelor of Surgery (B.S.)

### DOCTOR OF PHILOSOPHY

17. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXd.

### BACHELOR OF SCIENCE (MEDICAL)

18. A candidate for the degree of Bachelor of Science (Medical) shall complete such requirements for the

degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

### MASTER OF PUBLIC HEALTH

18A. A candidate for the degree of Master of Public Health shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

### MASTER OF MEDICINE

18B. A candidate for the degree of Master of Medicine shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

19-22b. [Repealed.]

### DIPLOMA IN TROPICAL PUBLIC HEALTH

22E. There shall be a Diploma in Tropical Public Health (Dip.T.P.H.).

22F. A candidate for the Diploma in Tropical Public Health shall complete such requirements for the Diploma as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

23-29. [Repealed.]

### DIPLOMA IN DIAGNOSTIC RADIOLOGY<sup>2</sup>

30. There shall be a Diploma in Diagnostic Radiology (D.D.R.).

31. A candidate for the Diploma in Diagnostic Radiology shall:

- (i) hold qualifications in Medicine, Surgery and Obstetrics approved by the Faculty of Medicine for the purposes of the diploma;
- (ii) produce evidence that he has held such qualifications for not less than three years;
- (iii) produce evidence that he has spent not less than two years as a Resident Medical Officer of a general hospital approved by the Faculty, of which a period not exceeding twelve months may have been spent as a non-resident Medical Officer in one of the Teaching Hospitals approved for the purpose by the Faculty or, if he graduated before 31st January, 1963, produce evidence that he has spent not less than twelve months as a Resident Medical Officer of a general hospital approved by the Faculty or that he has spent not less than twelve months as a non-resident Medical Officer in one of the Teaching Hospitals approved for the purpose of the Faculty;
- (iv) comply with section 32.

32. A candidate for the Diploma in Diagnostic Radiology shall, after obtaining the qualifications set out in section 31 (i) and fulfilling the requirements of section 31 (iii), attend approved postgraduate courses of study in each of the subjects of the examination specified in section 33 at the University and hospital approved for the purpose by the Faculty and undergo

<sup>1</sup> See Senate Resolutions this chapter.

<sup>2</sup> *Postgraduate medical diplomas* The Senate has approved the recommendation of the Faculty of Medicine that, as from 1 January 1978, the course for the Diploma in Diagnostic Radiology be no longer available to persons who were not previously enrolled as a candidate for the diploma.

In July 1985 the Senate approved the repeal of these By-laws.

such special training in Diagnostic Radiology as may from time to time be prescribed by Regulations made in accordance with these By-laws.

33. A candidate for the Diploma in Diagnostic Radiology shall be required to pass examinations in each of the following subjects:

- (i) Anatomy
- (ii) Physics
- (iii) Electro-technology
- (iv) Photographic Aspects of Radiography
- (v) Radiological diagnosis
- (vi) Radiography
- (vii) Pathology

34. The examination for the Diploma in Diagnostic Radiology shall be held in such manner as the Faculty may from time to time direct.

35-44. [Repealed.]

#### **DIPLOMA IN CLINICAL PATHOLOGY<sup>1</sup>**

45. There shall be a Diploma in Clinical Pathology (D.C.P.).

46. A candidate for the Diploma in Clinical Pathology shall:

- (i) hold qualifications in Medicine, Surgery and Obstetrics approved by the Faculty of Medicine for the purposes of the diploma;
- (ii) produce evidence that he has held such qualifications for not less than three years;
- (iii) produce evidence that he has spent not less than twelve months in clinical work as a Resident Medical Officer of a general hospital approved by the Faculty or has spent not less than twelve months as a non-resident Medical Officer in one of the Teaching Hospitals approved for the purpose by the Faculty;
- (iv) comply with section 47.

47. A candidate for the Diploma in Clinical Pathology shall, after obtaining the qualifications set out in section 46 (i) and fulfilling the requirements of section 46 (iii), attend approved postgraduate courses of study in each of the subjects of the examination specified in section 48 at the University and hospitals and other institutions approved for the purpose by the Faculty and undergo such special training in Clinical Pathology as may from time to time be prescribed by regulations made in accordance with these By-laws.

48. A candidate for the Diploma in Clinical Pathology shall be required to pass examinations in each of the following subjects:

- (i) Pathological Anatomy
- (ii) Haematology
- (iii) Bacteriology
- (iv) Parasitology
- (v) Biochemistry

49. The examination for the Diploma in Clinical Pathology shall be held in such manner as the Faculty may from time to time direct.

#### **DIPLOMA IN OPHTHALMOLOGY<sup>1</sup>**

50. There shall be a Diploma in Ophthalmology (D.O.).

51. A candidate for the Diploma in Ophthalmology shall:

- (i) hold qualifications in Medicine, Surgery and Obstetrics approved by the Faculty of Medicine for the purposes of the diploma;

(ii) produce evidence that he has held such qualification for not less than three years;

(iii) produce evidence that he has spent not less than two years as a Resident Medical Officer of a general hospital approved by the Faculty, of which a period not exceeding twelve months may have been spent as a non-resident Medical Officer in one of the Teaching Hospitals approved for the purpose by the Faculty or, if he graduated before 31st January, 1963, produce evidence that he has spent not less than twelve months as a Resident Medical Officer of a general hospital approved by the Faculty or that he has spent not less than twelve months as a non-resident Medical Officer in one of the Teaching Hospitals approved for the purpose by the Faculty;

(iv) comply with section 52.

52. A candidate for the Diploma in Ophthalmology shall be required to pass examinations set out in section 51 (i) and fulfilling the requirements of section 51 (iii), attend approved postgraduate courses of study in each of the subjects of the examination specified in section 53 at the University and hospital approved for the purpose by the Faculty and undergo such special training in Ophthalmology as may from time to time be prescribed by regulations made in accordance with these By-laws.

53. A candidate for the Diploma in Ophthalmology shall be required to pass examinations in each of the following subjects:

- (i) Anatomy
- (ii) Physiology
- (iii) Optics
- (iv) Ophthalmic Medicine
- (v) Ophthalmic Surgery
- (vi) Pathology and Bacteriology

54. The examination for the Diploma in Ophthalmology shall be held in such manner as the Faculty may from time to time direct.

55-59. [Repealed.]

#### **DIPLOMA IN DERMATOLOGICAL MEDICINE<sup>1</sup>**

60. There shall be a Diploma in Dermatological Medicine (D.D.M.).

61. A candidate for the Diploma in Dermatological Medicine shall:

- (i) hold qualifications in Medicine, Surgery and Obstetrics approved by the Faculty of Medicine for the purposes of the diploma;
- (ii) produce evidence that he has held such qualifications for not less than three years;
- (iii) produce evidence that he has spent not less than two years as a Resident Medical Officer of a general hospital approved by the Faculty, of which a period not exceeding twelve months may have been spent as a non-resident Medical Officer in one of the Teaching Hospitals approved for the purpose by the Faculty or, if he graduated before 31st January, 1963, produce evidence that he has spent not less than twelve months as a Resident Medical Officer of a general hospital approved by the Faculty or that he has spent not

<sup>1</sup> *Postgraduate medical diplomas* The Senate has approved the recommendation of the Faculty of Medicine that, as from 1 January 1978, the courses for the Diploma in Ophthalmology and Diploma in Clinical Pathology be no longer available to persons who were not previously enrolled as a candidate for one of the diplomas.

In July 1985 the Senate approved the repeal of these By-laws.

<sup>1</sup> *Postgraduate medical diplomas* The Senate has approved the recommendation of the Faculty of Medicine that, as from 1 January 1978, the course for the Diploma in Dermatological Medicine be no longer available to persons who were not previously enrolled as a candidate for the diploma.

In July 1985 the Senate approved the repeal of these By-laws.

less than twelve months as a non-resident Medical Officer in one of the Teaching Hospitals approved for the purpose by the Faculty.

(iv) comply with section 62.

62. A candidate for the Diploma in Dermatological Medicine shall, after obtaining the qualifications set out in section 61 (i) and fulfilling the requirements of section 61 (iii), attend approved postgraduate courses of study in each of the subjects specified in section 63 at the University and hospital approved for the purpose by the Faculty and undergo such special training in Dermatological Medicine as may from time to time be prescribed by regulations made in accordance with these By-laws.<sup>1</sup>

63. A candidate for the Diploma in Dermatological Medicine shall be required to pass examinations in each of the following subjects:

(i) Anatomy, Physiology, Biochemistry and Embryology

(ii) Physical methods and apparatus

(iii) Dermatology

(iv) Pathology, Bacteriology and Parasitology

(v) General Medicine

64. The examination for the Diploma in Dermatological Medicine shall be held in such manner as the Faculty may from time to time direct.

## RESOLUTIONS OF THE SENATE

### RESOLUTIONS OF THE SENATE FOR THE APPOINTMENT OF NOT MORE THAN FOUR PERSONS AS NOMINEES OF TEACHING HOSPITALS TO MEMBERSHIP OF THE FACULTY OF MEDICINE

Pursuant to section 1 (e) (ii) of Chapter XII of the By-laws, the Senate makes the following resolutions:

1. There shall be not more than four persons each of whom shall be a nominee of one of the following teaching hospitals appointed to membership of the Faculty.

Auburn District Hospital  
Balmain Hospital  
Blacktown District Hospital  
Rachel Forster Hospital for Women  
Lidcombe State Hospital  
Marrickville District Hospital  
Mona Vale District Hospital  
Royal Newcastle Hospital  
Parramatta District Hospital  
Ryde District Hospital  
Western Suburbs Hospital

2. Appointment to membership shall take place in Lent term of each alternate year, provided that the first such appointment shall take place in Lent term, 1973, or so soon thereafter as may be arranged.

3. The term of office of each nominee shall be for a period of two years from the first day of Lent term in the year of appointment until the day prior to the first day of Lent term in the second year of appointment.

4. A nominee shall cease to hold office if he otherwise becomes eligible for membership of the Faculty.

5. (1) Any vacancy occurring by the death, disqualification or resignation of a nominee may be filled by the Dean of the Faculty on the recommendation of the teaching hospital concerned and the person so appointed shall hold office for the balance of the term of the person he replaces.

(2) Where a teaching hospital fails to submit a nomination, the Dean of the Faculty may author-

ise the Registrar to invite another teaching hospital to submit a nomination.

6. (1) The Registrar shall, not less than one month prior to the first day of Lent term in each alternate year, invite one nomination from each of four teaching hospitals specified in section 1.

(2) Each teaching hospital specified in section 1 shall be invited to submit one nomination in the following order:

(a) For the period Lent term 1973 to Lent term 1975—

Auburn District Hospital  
Balmain Hospital  
Blacktown District Hospital  
Rachel Forster Hospital for Women

(b) For the period Lent term 1975 to Lent term 1977—

Blacktown District Hospital  
Rachel Forster Hospital for Women  
Lidcombe State Hospital  
Marrickville District Hospital

(c) For the period Lent term 1977 to Lent term 1979—

Lidcombe State Hospital  
Marrickville District Hospital  
Mona Vale District Hospital  
Royal Newcastle Hospital

(d) For the period Lent term 1979 to Lent term 1981—

Mona Vale District Hospital  
Royal Newcastle Hospital  
Parramatta District Hospital  
Ryde District Hospital

(e) For the period Lent term 1981 to Lent term 1983—

Parramatta District Hospital  
Ryde District Hospital  
Western Suburbs District Hospital  
Auburn District Hospital

(Note: Action is in hand to cover the period 1984-1991).

### BACHELOR OF MEDICINE AND BACHELOR OF SURGERY' 1974 Resolutions

In accordance with section 3 of Chapter XII of the By-laws, the Senate has prescribed the following Resolutions governing candidature for the degrees of Bachelor of Medicine and Bachelor of Surgery:

1. (a) A candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery shall complete:

(i) In the First Year, the prescribed courses of study in the following—

(a) Terminating subjects:

Chemistry  
Introductory Medical Science  
Physics

(b) Non-terminating subjects:

Anatomy  
Behavioural Sciences in Medicine  
Biochemistry  
Histology and Embryology  
Physiology

(ii) In the Second Year, the prescribed courses of study in the following subjects:

Anatomy  
Behavioural Sciences in Medicine

XII: MEDICINE:  
BY-LAWS  
SENATE RESOLUTIONS

<sup>1</sup> For Senate Resolutions see 1979 Calendar.

<sup>1</sup> Candidates for the degrees who completed the requirements for the Third Year prior to 1 January 1981 shall proceed in accordance with the Resolutions of the Senate published in the 1980 Calendar.

- Biochemistry  
Histology and Embryology  
Pharmacology  
Physiology
- (iii) In the Third Year, the prescribed courses of study in the following subjects:  
Bacteriology  
Immunology  
Pathology  
Pharmacology  
Clinical Sciences
- (iv) In the Fourth Year, the prescribed courses of study in the following subjects:  
Community Medicine  
Obstetrics and Gynaecology  
Paediatrics  
Psychiatry  
Preventive and Social Medicine  
Environmental and Occupational Health  
Clinical Pharmacology  
Clinical Laboratory Methods  
Tropical Medicine  
Ophthalmology and Eye Health  
Dermatology  
Diseases of the Ear, Nose and Throat
- (v) In the Fifth Year:—  
(a) the prescribed courses of study in the following subjects;  
Medicine  
Surgery; and  
(b) an optional assignment in any one subject selected from the following in accordance with Resolutions of the Faculty;  
(i) Anaesthetics and Resuscitation; Anatomy; Bacteriology; Behavioural Sciences in Medicine; Biochemistry; Community Medicine; Environmental Health; Histology and Embryology; Medicine; Obstetrics and Gynaecology; Ophthalmology and Eye Health; Paediatrics; Pathology; Pharmacology; Physiology; Preventive and Social Medicine; Psychiatry; Surgery; Tropical Medicine; or  
(ii) any other subject as may be approved from time to time by Resolution of the Faculty; or  
(iii) a subject which is a combination, approved from time to time by Resolution of the Faculty, of any two or more subjects listed under subsection (v) (b) (i) or approved under subsection (v) (b) (ii).
- (b) For the purpose of these Resolutions 'Clinical Sciences' shall comprise an integrated course of instruction in paraclinical and clinical subjects as determined from time to time by the Faculty of Medicine.
2. (i) A course shall consist of lectures, together with such clinical, laboratory and tutorial instruction or practical work, exercise or essays as may be prescribed by the Faculty.  
(ii) In these Resolutions, the words 'to complete a course' and derivative expressions mean:  
(a) to attend the lectures and seminars, if any, for clinical, laboratory or tutorial instruction;  
(b) to complete satisfactorily the practical work, exercises or essays, if any; and

(c) to pass the examinations, if any, in the course.

3. (i) There shall be barrier assessments:  
I at the end of the First Year;  
II at the end of the Second Year;  
III at the end of the Third Year;  
IV at the end of the Fourth Year;  
V at the end of the Fifth Year;  
(ii) At each barrier assessment, a Board of Examiners appointed by the Faculty for that purpose shall review the performance of candidates in the courses prescribed for the degrees.  
(iii) A candidate who fails to complete one or more courses satisfactorily shall be deemed to have failed at the barrier assessment.  
(iv) A candidate who has been deemed to have failed at a barrier assessment shall repeat such courses and complete satisfactorily such assessments as the Board of Examiners, in accordance with Resolutions of the Faculty, shall prescribe, provided always that he shall be eligible for reconsideration at the barrier assessment when a period of twelve months shall have elapsed.  
(v) Notwithstanding anything to the contrary elsewhere in these Resolutions, a candidate who, in the First Year, has not completed one or more non-terminating courses satisfactorily may be allowed to proceed into the Second Year provided that he has completed all terminating courses satisfactorily; the conditions under which such a candidate shall be allowed to proceed into the Second Year shall be determined by the Board of Examiners, in accordance with Resolutions of the Faculty, which may include a requirement to pass examinations in such courses at or before the Second Year barrier assessment.
4. A candidate who has completed all requirements for the degrees shall be recommended to the Senate for admission to the degrees of Bachelor of Medicine and Bachelor of Surgery.
5. Except with the permission of the Faculty, all requirements for the degrees shall be completed within nine calendar years from the year of first enrolment in the Faculty.
6. The degrees shall be awarded jointly in one of two grades, either Pass or Honours. There shall be two classes of Honours, namely Class I and Class II.
7. Honours at graduation shall be awarded in accordance with Resolutions of the Faculty, and the candidate who shall have been most distinguished may receive a bronze medal, provided that he shall have obtained first-class honours and be deemed to be of sufficient merit.
8. For the purpose of section 17 of the Medical Practitioners Act, 1938, 'the Fourth, Fifth and Final Year examinations prescribed by the Senate of the University of Sydney for students in the Faculty of Medicine' shall be the examinations of the Third, Fourth and Fifth barrier assessments as set out in Resolution 3 (i).
- 8A. A candidate who has been enrolled for the degrees of Bachelor of Medicine and Bachelor of Surgery but has not re-enrolled for a period of three or more consecutive years shall complete the requirements for the degrees under such conditions as the Faculty may determine.

#### Transitional provisions

9. Pursuant to section 4 of Chapter XII of the By-laws, and except as provided in Resolution 10A, a candidate enrolled for the degrees of Bachelor of Medicine and Bachelor of Surgery before 1st January, 1974, who had not completed the requirements for the

degrees by that date, shall proceed to the degrees in accordance with the By-laws in force immediately prior to 1st January, 1974.

10. Except as provided in Resolutions 9 and 10A, a candidate enrolled for the degrees of Bachelor of Medicine and Bachelor of Surgery in accordance with the Resolutions of the Senate in force immediately prior to 1st January, 1981, who has completed the requirements for the Third Year prior to 1st January, 1981, shall proceed to the degrees in accordance with those Resolutions.

10A. Where a course for the degrees is no longer available for a candidate referred to in Resolution 9 or 10, that candidate shall complete instead such other course or courses as the Faculty may by Resolution prescribe.

### BACHELOR OF SCIENCE (MEDICAL)

11. (i) A candidate for the degrees of Bachelor of Medicine and of Bachelor of Surgery who—

- (a) has completed the courses leading to the second barrier assessment as set out in Resolution 3 (i);
- (b) has shown special merit in his studies and
- (c) is considered by the Head of the Department a suitable candidate for advanced work may be permitted by the Faculty to interrupt his candidature for the degrees and attend an approved course of advanced study in Anatomy, Histology and Embryology, Biochemistry, Behavioural Sciences in Medicine, or Physiology.

(ii) On completion of the course such a candidate may be recommended by the Faculty for admission to the degree of Bachelor of Science (Medical).

(iii) The degree shall be awarded in one of two grades, either Pass or Pass with Distinction.

12. (i) A candidate for the degrees of Bachelor of Medicine and of Bachelor of Surgery who—

- (a) has completed the courses leading to the third barrier assessment as set out in Resolution 3 (i);
- (b) has shown special merit in his studies; and
- (c) is considered by the Head of the Department a suitable candidate for advanced work may be permitted by the Faculty to interrupt his candidature for the degrees and attend an approved course of advanced study in Anatomy, Histology and Embryology, Biochemistry, Behavioural Sciences in Medicine, Physiology, Bacteriology, Pathology or Pharmacology.

(ii) On completion of the course such a candidate may be recommended by the Faculty for admission to the degree of Bachelor of Science (Medical).

(iii) The degree shall be awarded in one of two grades, either Pass or Pass with Distinction.

### BACHELOR OF MEDICINE AND BACHELOR OF SURGERY

#### 1986 Resolutions

In accordance with section 3 of Chapter XII of the By-laws, the Senate has prescribed the following Resolutions governing candidature for the degrees of Bachelor of Medicine and Bachelor of Surgery:

1. (i) A candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery shall complete the prescribed courses of study in the following subjects:

- (a) In the first year:  
Anatomy

Behavioural Sciences in Medicine  
Biomathematics  
Chemistry  
Histology and Embryology  
History of Medicine  
Introductory Medical Science  
Physics

(b) In the second year:

Anatomy  
Behavioural Sciences in Medicine  
Biochemistry  
Histology and Embryology  
Pharmacology  
Physiology

(c) In the third year:

Clinical Diagnosis

Clinical Sciences I comprising

Clinical Physiology  
Immunology  
Infectious Diseases  
Medical Biochemistry  
Neurosciences  
Pathology  
Pharmacology

(d) In the fourth year:

Clinical Sciences II comprising

Clinical Epidemiology  
Infectious Diseases  
Medicine  
Occupational Health and Safety  
Pathology  
Clinical Pharmacology  
Preventive and Social Medicine  
Surgery

(e) In the fifth year:

Community and Geriatric Medicine  
Obstetrics and Gynaecology  
Paediatrics  
Psychiatry

(f) In the sixth year:

Medicine and Surgery  
Option

(2) For the purposes of these Resolutions Clinical Sciences I and II shall include integrated courses of instruction in Human Nutrition, Occupational Health and Safety, Preventive and Social Medicine and such other subjects as may be prescribed from time to time by the Faculty.

(3) Instruction in Occupational Health and Safety and in Preventive and Social Medicine shall be given in Clinical Sciences I and II and in all courses of study in the fifth and sixth years.

(4) For the purposes of the Resolutions Community and Geriatric Medicine shall include Clinical Epidemiology, Community Health, General Practice, Geriatric Medicine, Primary Care and Rehabilitation Medicine.

(5) For the purposes of these Resolutions Medicine and Surgery in the sixth year shall include Anaesthetics and Resuscitation, Clinical Pharmacology, Dermatology, Diagnostic Imaging, Diseases of the Ear, Nose and Throat, Law, Ethics and Medicine, Ophthalmology, Orthopaedics, Therapeutics and Trauma.

(6) For the purposes of these Resolutions the Option shall be a research assignment in any one subject selected from the following in accordance with Resolutions of the Faculty:

- (a) Anaesthetics and Resuscitation; Anatomy; Behavioural Sciences in Medicine; Biochemistry; Clinical Epidemiology; Community and Geriatric Medicine; Environmental

- Health; Histology and Embryology; Infectious Diseases; Medicine; Obstetrics and Gynaecology; Ophthalmology and Eye Health; Paediatrics; Pathology; Pharmacology; Physiology; Preventive and Social Medicine; Psychiatry; Surgery; Tropical Medicine; or
- (b) any other subject as may be approved from time to time by Resolution of the Faculty; or
  - (c) a subject which is a combination, approved from time to time by Resolution of the Faculty, of any two or more subjects listed under subsection (6)(a) or approved under subsection (6)(b).
2. (1) A course shall consist of such lectures, clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty.  
(2) In these Resolutions, the words 'to complete a course' and derivative expressions mean—  
(a) to attend the lectures and seminars, if any, for clinical, laboratory and tutorial instruction;  
(b) to complete satisfactorily the practical work, exercises and essays, if any; and  
(c) to pass the examinations, if any, in the course.  
(3) The provisions of Resolution 2(1) and 2(2) shall apply to each of the component courses in Clinical Sciences I and Clinical Sciences II and to each of Medicine and Surgery in the sixth year.  
(4) Resolution 4 notwithstanding, the result in the first and second year courses in Anatomy and in Histology and Embryology shall be determined at the end of the second year.
  3. Except with the permission of the Faculty, no candidate shall be permitted to sit for any yearly examination in any course unless the requirements of that course as prescribed by the Faculty for that year have been completed.
  4. Except with the permission of the Faculty, no candidate shall be permitted to enrol in any courses prescribed for the second or subsequent years of candidature unless that candidate has completed all the courses prescribed for the previous year.
  5. In order to be eligible for the award of the degrees, a candidate shall, except with the permission of the Faculty, complete all the requirements for the degrees within ten calendar years from and including the year of first enrolment as a candidate.
  6. A candidate who has completed all the requirements for the degrees shall be recommended to the Senate for admission to the degrees of Bachelor of Medicine and Bachelor of Surgery.
  7. (1) The degrees shall be awarded jointly in one of two grades, either Pass or Honours.  
(2) There shall be two classes of Honours, namely Class I and Class II.
  8. (1) Honours at graduation shall be awarded in accordance with the Resolutions of the Faculty.  
(2) (a) Subject to subsection (b), the candidate who shall have been most distinguished may be awarded a bronze medal, provided that the candidate has obtained first class honours and the candidate's work is deemed by the Faculty to be of sufficient merit.  
(b) Subsection (a) notwithstanding, the candidates who have been most distinguished may share the award of a bronze medal, provided that they have obtained first class honours and their

work is deemed by the Faculty to be of equal and sufficient merit.

9. A candidate who has been enrolled for the degrees but has not re-enrolled for a period of three or more consecutive years shall complete the requirements for the degrees under such special conditions, if any, as the Faculty may prescribe.

#### *Transitional Provisions*

10. Pursuant to section 4 of Chapter XII of the By-laws, and except as provided in Resolution 13, a candidate enrolled for the degrees before 1 January 1974, who had not completed the requirements for the degrees by that date, shall proceed to the degrees in accordance with the By-laws in force immediately prior to 1 January 1974.

11. Except as provided in Resolution 10 and 13, a candidate enrolled for the degrees in accordance with the Resolutions of the Senate in force immediately prior to 1 January 1981, who has completed the requirements for the third year prior to 1 January 1981, shall proceed to the degrees in accordance with those Resolutions.

12. Except as provided in Resolutions 10, 11 and 13, a candidate enrolled for the degrees before 1 January 1986, who had not completed the requirements for the degrees by that date, shall proceed to the degrees in accordance with the By-laws and the Resolutions of the Senate made thereunder in force immediately prior to 1 January 1986.

13. Where a course for the degrees is no longer available for a candidate referred to in Resolutions 10, 11 and 12 that candidate shall complete instead such other course or courses as the Faculty may by Resolution prescribe.

#### **COMBINED ARTS/MEDICINE COURSE**

1. Subject to the provisions of Chapter XIXA of the By-laws and to these Resolutions a person may proceed concurrently as a candidate for the degrees of Bachelor of Arts and Bachelor of Medicine and Bachelor of Surgery.

2. A candidate proceeding under Resolution 1 will qualify for the award of the degree of Bachelor of Arts upon completion of—

- (a) the requirements for the degrees of Bachelor of Medicine and Bachelor of Surgery as prescribed in Chapter XII of the By-laws; and
- (b) the requirements for the degree of Bachelor of Arts as prescribed in Chapter X of the By-laws and accompanying Resolutions.

3. A candidate may only proceed as a candidate for the degree of Bachelor of Arts either concurrently with or subsequent to satisfactory completion of the courses prescribed in the first year of study for the degrees of Bachelor of Medicine and Bachelor of Surgery.

#### **BACHELOR OF SCIENCE (MEDICAL)<sup>1</sup>**

1. A candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery—

- (a) who has completed the courses specified in Resolution 1(1)(b),
- (b) who is considered by the Head of the appropriate Department to be a suitable candidate for advanced work,
- (c) whose academic work is deemed by the Board of Examiners for the degree to be of special merit, and
- (d) whose project is considered appropriate by the Board of Examiners for the degree

<sup>1</sup> These Resolutions come into force on 1 January 1988.

may be permitted by the Faculty to interrupt candidature for the degrees and attend an approved course of advanced study in the Departments of Anatomy (in gross anatomy only), Behavioural Sciences in Medicine or Histology and Embryology.

2. (1) A candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery—
  - (a) who has completed the courses of study specified in Resolution 1(1)(c),
  - (b) who is considered by the Head of the appropriate Department to be a suitable candidate for advanced work,
  - (c) whose academic work is deemed by the Board of Examiners for the degree to be of special merit, and
  - (d) whose project is considered appropriate by the Board of Examiners for the degree
 may be permitted by the Faculty to interrupt candidature for the degrees and attend an approved course of advanced study in the Departments of Anatomy, Behavioural Sciences in Medicine, Biochemistry, Histology and Embryology, Infectious Diseases, Pathology, Pharmacology or Physiology.
- (2) Upon application through one of the departments specified in Resolution 2(1), a candidate may be permitted to proceed to the degree in another department provided the head of the department through which application is made is satisfied that the candidate's proposed project is appropriate for that department; in particular, a candidate wishing to proceed to the degree in Immunology should apply through and have the approval of the Department of Pathology.
3. (1) On completion of the course such a candidate may be recommended by the Faculty for admission to the degree of Bachelor of Science (Medical).
- (2) The degree shall be awarded in one of two grades, either Pass or Honours.
- (3) There shall be two classes of Honours, namely Class I and Class II.

#### MASTER OF PUBLIC HEALTH

In accordance with section 18A of Chapter XII of the by-laws, the Senate has prescribed the following Resolutions governing candidature for the degree of Master of Public Health:—

1. (a) An applicant for admission to candidature for the degree of Master of Public Health shall—
  - (i) except as provided in paragraph (b), be a graduate of the University of Sydney and
  - (ii) apply in writing to the Registrar for such admission to candidature and for the approval of the Faculty.
- (b) On the recommendation of the Faculty, the Academic Board may admit to candidature a graduate of any other university or a candidate with equivalent qualifications obtained in an appropriate institution in accordance with Chapter XXVI A of the by-laws.
2. An applicant for admission to candidature shall have held the qualifications on the basis of which he seeks admission for at least one year prior to the commencement of candidature.
3. The degree may be taken in various subject areas of Public Health, including Tropical Public Health, Occupational and Environmental Health, Preventive

Medicine, Health Administration and their component specialist areas, and such other subject areas as may be approved by the Faculty.

4. A candidate, unless—
  - (i) holding a degree for which the minimum time to qualify was at least four academic years or
  - (ii) exempted by the Faculty,
 shall pass a preliminary examination or examinations as prescribed by the Faculty.
5. (a) The Faculty may admit an applicant to candidature provisionally for a period not exceeding six months and at the end of that period shall review the work of the candidate and confirm or terminate his candidature.
- (b) Such a candidate whose candidature is subsequently confirmed shall be deemed to have commenced his candidature on the date upon which he was admitted to candidature provisionally.
6. (a) Except as provided in paragraph (b), a candidate shall either—
  - (i) engage in coursework for not less than three terms as a full-time student and pass an examination thereon, and submit not less than five terms after commencement of the coursework a treatise on a supervised project approved by the Faculty or
  - (ii) engage either full-time for at least three terms or part-time for at least six terms in supervised study and research on a subject approved by the Faculty, submit a thesis embodying the results of that study and research, undertake such coursework, if any, as may be required by the Faculty and at the discretion of the Faculty pass an advanced examination in any subject related to the work of the thesis.
- (b) (i) Subject to subparagraph (ii), a candidate who holds the Diploma in Public Health or the Diploma in Tropical Medicine and Hygiene or the Diploma in Occupational Health of the University of Sydney shall engage for a period of at least three terms in supervised study and research on a subject approved by the Faculty and submit a thesis embodying the results of that study and research.
- (ii) Such a candidate shall be required to complete all the requirements for the degree by 31st December, 1983.
- (c) A candidate may carry out his supervised project or his supervised study and research within the University of Sydney or at an institution approved by the Faculty.
- (d) Except with the permission of the Faculty—
  - (i) a candidate proceeding in accordance with paragraph (a)(i) shall complete the requirements for the degree not later than the end of the twelfth term of candidature;
  - (ii) a candidate who, in accordance with paragraph (a)(ii), engages in at least three terms full-time supervised study and research, shall complete the requirements for the degree not earlier than the end of the sixth term and not later than the end of the fifteenth term of candidature;
  - (iii) a candidate who, in accordance with paragraph (a)(ii), engages in at least six

terms part-time supervised study and research shall complete the requirements for the degree not earlier than the end of the ninth term and not later than the end of the eighteenth term of candidature.

7. The Faculty shall appoint a person who is a full-time member of the academic or research staff of the University or a person upon whom the Senate has conferred the title of Professor, Reader, Associate Professor, Senior Lecturer or Lecturer to act as supervisor of the candidate. The Faculty may also appoint a similar person to act as associate supervisor of the candidate.

8. (a) A candidate who in the terms of his candidature is required to submit a thesis embodying the results of his study and research or a treatise on a supervised project shall state in his thesis or treatise, generally in a preface and specifically throughout the thesis or treatise, the sources from which his information was derived, the extent to which he availed himself of the work of others, and the portion of the work which he claims as original. He shall not present as his thesis or treatise any work previously submitted for a degree of this or any other university, but he may incorporate such work in his thesis or treatise, provided that he indicates the work so incorporated.

(b) A candidate shall lodge with the Registrar three bound copies (printed or typewritten) of his thesis or treatise.

9. The Faculty shall appoint two examiners of the thesis or treatise, of whom at least one shall be a member of the teaching staff of the Faculty. The examiners shall report to the Faculty, which shall determine the result of the examination.

10. The Faculty may deem time spent or work done towards the degree of Doctor of Philosophy by a candidate before his admission to candidature to be time spent or work done after admission, provided the candidate has ceased to be a candidate for the degree of Doctor of Philosophy.

11. The Faculty shall review the progress of each candidate annually and on the recommendation of the Head of Department concerned may terminate the candidature of any candidate who, in the opinion of the Faculty, has not shown evidence of sufficient progress towards the degree.

12. On the award of the degree, the Registrar shall lodge one copy of the thesis or treatise within the Library.

#### MASTER OF MEDICINE

In accordance with section 18B of Chapter XII of the By-laws, the Senate has prescribed the following Resolutions governing candidature for the degree of Master of Medicine.

1. Except as provided in Chapter XXVIA of the By-laws, the Faculty of Medicine may, on the recommendation of the Head of a Department in the Faculty, admit to candidature for the degree of Master of Medicine an applicant who holds the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Sydney.

2. (1) A candidate for the degree shall proceed—

(a) by research and thesis; or

(b) by coursework and treatise.

(2) A candidate shall proceed either as a full-time candidate or as a part-time candidate and shall so advise the Faculty.

(3) A full-time candidate shall not keep the nor-

mal terms but shall pursue candidature for the degree continuously throughout the year except for a period of recreation leave and shall not have any substantial employment during the day.

(4) A candidate who does not comply with Resolution 2(3) shall be regarded as a part-time candidate.

(5) A candidate who, before admission to candidature, has spent time in advanced study in the University of Sydney, or in another university, or in another institution whose courses are deemed by the Faculty to be equivalent, may be deemed by the Faculty to have spent such time after admission to candidature.

(6) A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this probationary period the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

(7) In the case of a candidate accepted on a probationary basis under Resolution 2(6), the candidature shall be deemed to have commenced from the date of such acceptance.

3. The degree may be taken in any of the subject areas in which research and teaching is undertaken by departments in the Faculty of Medicine.

#### Candidature by research and thesis

4. The Faculty shall appoint, on the recommendation of the Head of the Department concerned, a full-time member of the academic or research staff of the University to act as supervisor of each candidate.

5. (1) A candidate proceeding by research and thesis shall—

(a) complete such courses, if any, as may be prescribed by the Head of the Department concerned;

(b) carry out supervised research on a topic approved by the Faculty on the recommendation of the Head of the Department concerned;

(c) write a thesis embodying the results of this research; and

(d) lodge with the Registrar three copies of this thesis, typewritten and bound.

(2) (a) The candidate shall state in the thesis the sources from which the information was derived, the extent to which the work of others has been used and the portion of the work claimed as original.

(b) The candidate may include in the thesis published papers of which the candidate is sole author, provided that—

(i) the papers are based on work undertaken during the candidature for the degree;

(ii) the papers are identified as published work; and

(iii) the papers are compatible with the overall coherence and organisation of the text of the thesis.

(c) Any other papers of which the candidate is sole or joint author may be lodged in support of the thesis.

(3) The thesis shall be accompanied by a statement from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.

(4) A candidate may not present as the thesis a work which has been presented for a degree in this or another university, but will not be precluded



from incorporating such in the thesis provided that in presenting the thesis the candidate indicates the part of the work which has been so incorporated.

6. (1) A full-time candidate shall complete the requirements for the degree not earlier than the end of the third term of candidature and, except with the permission of the Faculty on the recommendation of the Head of the Department concerned, not later than the end of the ninth term of candidature.
- (2) A part-time candidate shall complete the requirements for the degree not earlier than the end of the sixth term of candidature and, except with the permission of the Faculty on the recommendation of the Head of the Department concerned, not later than the end of the eighteenth term of candidature.
7. (1) After the thesis has been lodged with the Registrar, the Faculty, on the recommendation of the Head of the Department concerned, shall appoint at least two examiners of the thesis.
- (2) The reports of the examiners shall be transmitted to the Head of the Department who shall make them available to the Professor most concerned and the supervisor.
- (3) The Head of the Department shall transmit these reports to the Faculty together with a recommendation concerning the award of the degree and the Faculty shall determine the result of the candidature.
- (4) In special cases the Faculty, on the recommendation of the Head of the Department concerned, may require the candidate to take a further examination in the area of the thesis.
- (5) The Faculty may permit an unsuccessful candidate to revise and resubmit the thesis if, in the opinion of the Head of the Department concerned, the candidate's work is of sufficient merit to warrant this concession, and may prescribe special conditions to be fulfilled by the candidate.

#### **Candidature by coursework and treatise**

8. (1) A candidate proceeding by coursework and treatise shall complete such courses and such treatise as may be prescribed by the Faculty on the recommendation of the Head of the Department concerned.
- (2) The Head of the Department concerned shall report the result of the examination of the coursework and treatise and other work, if any, to the Faculty which shall determine the results of the candidature.
9. A full-time candidate shall complete the requirements for the degree not earlier than the end of the third term of candidature and, except with the permission of the Faculty on the recommendation of the Head of the Department concerned, not later than the end of the ninth term of candidature.
10. A part-time candidate shall complete the requirements for the degree not earlier than the end of the sixth term of candidature and, except with the permission of the Faculty on the recommendation of the Head of the Department concerned, not later than the end of the eighteenth term of candidature.

#### **Satisfactory progress**

11. The Faculty may—
  - (a) on the recommendation of the Head of the Department concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsat-

isfactory progress towards completion of the degree; and

- (b) where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

### **DIPLOMA IN TROPICAL PUBLIC HEALTH**

In accordance with section 22f of Chapter XII of the by-laws, the Senate has prescribed the following resolutions governing candidature for the Diploma in Tropical Public Health:—

1. An applicant for admission to candidature shall apply in writing to the Registrar for such admission to candidature.
2. Subject to Resolution 3, admission to candidature may be granted to—
  - (a) a graduate in Medicine of the University of Sydney; or
  - (b) any other graduate of the University of Sydney who has completed courses acceptable to the Faculty of Medicine; or
  - (c) a graduate of any other university or any other institution approved by the Faculty of Medicine and the Academic Board; or
  - (d) a person who has obtained such qualifications and completed such courses as are acceptable to the Faculty of Medicine and the Academic Board; or
  - (e) a person who furnishes such evidence of special fitness as satisfies the Faculty of Medicine and the Academic Board that he is qualified to enter upon systematic courses of study in Tropical Public Health.
3. An applicant for admission to candidature shall have held the qualifications on the basis of which he seeks admission for at least one year prior to the commencement of candidature.
4. A candidate shall—
  - (i) for a period of not less than three terms engage in full-time study and attend such courses of study and practice as the Faculty may prescribe; and
  - (ii) pass examinations in such subjects as the Faculty may from time to time determine.
5. The examinations for the Diploma shall be held at such times and in such manner as the Faculty may from time to time direct.
6. The award of the Diploma shall be subject to the completion of the coursework, the essay and the examinations to the satisfaction of the Faculty on the recommendation of the Principal of the Commonwealth Institute of Health.
7. The Faculty may deem time spent for work done towards the degree of Master of Public Health to be time spent or work done towards the Diploma, provided that the candidate has ceased to be a candidate for the degree of Master of Public Health.

### **RESOLUTIONS OF THE FACULTY**

#### **HONOURS AT GRADUATION (FIVE-YEAR CURRICULUM— 1974 RESOLUTIONS)**

Under the undergraduate curriculum, the degrees of Bachelor of Medicine and Bachelor of Surgery may be awarded with Honours. There are two classes of Honours, namely Class I and Class II.

The final year candidate who is considered to have been the most distinguished, may be awarded a bronze medal, provided the candidate has obtained Class I Honours and is deemed to be of sufficient merit.

The award of Honours is determined on the basis of an aggregate of marks obtained at the barrier assessments during the course. The results at each barrier are weighted as follows:

1st year	barrier assessment	×	2
2nd year	barrier assessment	×	10
3rd year	barrier assessment	×	10
4th year	barrier assessment	×	10
5th year	barrier assessment	×	10

The marks gained in the individual subjects, which contribute to each total barrier mark, are weighted separately as follows:

*1st Year Barrier assessment*

Physics	40%
Chemistry	40%
Introductory Medical Science	20%

*2nd Year Barrier assessment*

Anatomy	18%
Behavioural Science in Medicine	18%
Biochemistry	18%
Histology and Embryology	18%
Pharmacology	10%
Physiology	18%

*3rd year Barrier assessment*

Pathology (general pathology and practical examination)	10%
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Infectious diseases (includes practical examination)	5%
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Pharmacology (taught in Term 3.1, and includes practical examination)	5%
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Clinical science (including questions on integrated third year subjects—immunology, infectious diseases, medicine, pathology, pharmacology, psychiatry, surgery and specialties)	80%
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*4th Year Barrier assessment*

Term 4.1 courses	16%
Obstetrics and Gynaecology	21%
Paediatrics	21%
Psychiatry	21%
Community Medicine	21%

*5th Year Barrier assessment*

Medicine	50%
Surgery	50%

For the award of Honours at graduation, a student may be credited with the marks gained at a second attempt at any one examination in which the student has failed, on the grounds that performance at the first attempt was severely impaired by illness or misadventure properly attested.

**HONOURS AT GRADUATION  
(SIX-YEAR CURRICULUM—  
1986 RESOLUTIONS)**

The degrees of Bachelor of Medicine and Bachelor of Surgery may be awarded with Honours. There are two classes of Honours, namely Class I and Class II.

The final year candidate who has obtained Class I Honours and is considered to have been the most distinguished, may be awarded a bronze medal, provided the candidate's work is deemed to be of sufficient merit.

The award of Honours is determined on the basis of an aggregate of marks obtained at the annual assessments during the course. In the calculation of the aggregate of marks, all years will be of equal weight.

The method of calculating the weighting and the final aggregate is as follows:

*First Year*

Anatomy	10%
Behavioural Sciences in Medicine	16%
Biomathematics	6%
Chemistry	19%
Histology and Embryology	4%
History of Medicine	3%
Introductory Medical Science	23%
Physics	19%
	100%

*Second Year*

Anatomy	28%
Behavioural Sciences in Medicine	10%
Biochemistry	17%
Histology and Embryology	20%
Pharmacology	7%
Physiology	18%
	100%

*Third Year*

Clinical Diagnosis	10%
Clinical Sciences I:	
Clinical Physiology	8%
Immunology	4%
Infectious Diseases	10%
Medical Biochemistry	4%
Neurosciences	19%
Pathology	28%
Pharmacology	8%
	100%

*Fourth Year*

Clinical Sciences II:	
Infectious Diseases	5%
Medicine	40%
Pathology	15%
Pharmacology	10%
Surgery	30%
	100%

*Fifth Year*

Community and Geriatric Medicine	25%
Obstetrics and Gynaecology	25%
Paediatrics	25%
Psychiatry	25%
	100%

*Sixth Year*

Medicine and Surgery	100%
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**DOCTOR OF MEDICINE  
Candidature for the Degree**

1. Applications for admission to candidature shall be lodged with the Registrar for consideration by the Postgraduate Degrees Board which may admit applicants to candidature.

2. An applicant who does not hold the degree of Bachelor of Medicine of the University of Sydney shall submit with the application for admission to candidature evidence of continuing association with the academic work of the University of Sydney for consideration by the Postgraduate Degrees Board.

**BACHELOR OF SCIENCE (MEDICAL)**

1. A thesis written to fulfil the requirements for the degree shall normally be submitted by the first day of classes in the year of the medical course in which the candidate is entitled to enrol after completion of candidature for the degree.

2. A candidate who requires an extension of candidature must apply formally to the Postgraduate Degrees Board. Any extension granted by the Postgradu-

ate Degrees Board will commence from the date referred to in Resolution 1.

## **TENURE OF OFFICE OF CLINICAL TEACHERS IN THE TEACHING HOSPITALS**

All appointments of Clinical Teachers in the Teaching Hospitals shall be for a period not exceeding one year, but the holders shall be eligible for reappointment.

## **BOARDS OF MEDICAL STUDIES IN THE TEACHING HOSPITALS**

1. (a) A Board of Medical Studies shall be established at each of the following Teaching Hospitals and shall consist

- (i) in the case of the five general teaching hospitals of:
  - the Dean or Pro-Dean of the Faculty, *ex officio* (Chairman);
  - the Professors of Medicine, Surgery, Obstetrics, Psychiatry, Anaesthetics, Community Medicine and Clinical Ophthalmology, *ex officio*, or their deputies;
  - the Clinical Teacher who is most senior on the active hospital staff in Medicine, *ex officio*;
  - the Clinical Teacher who is most senior on the active hospital staff in Surgery, *ex officio*;
  - the Medical Superintendent, *ex officio*;
  - two members elected by the honorary medical staff, a surgical and medical tutor, elected by the Board;
  - the Warden of the Clinical School, *ex officio*;
  - the Clinical Supervisors, *ex officio*;
  - the full-time members of the Professorial units based on the hospital.
- (ii) In the case of Lidcombe Hospital, of the same members as for the five general teaching hospitals, plus
  - the Regional Director, Western Metropolitan Health Region, *ex officio*, or his deputy;
  - two members elected by the sessional consultant staff; and
  - two members elected by the full-time specialist staff.
- (iii) in the case of the Women's Hospital (Crown Street), of:
  - the Dean of the Faculty, *ex officio* (Chairman);
  - the Head of the University Department of Obstetrics and Gynaecology, *ex officio* or his nominee;
  - the members of the academic staff of the University located at or directly associated with the Hospital;
  - the Chairman of the Medical Board of the Hospital, *ex officio*;
  - the Medical Superintendent of the Hospital, *ex officio*;
  - the Deputy Medical Superintendent of the Hospital, *ex officio*;
  - not more than six members of the Medical Board of the Hospital who are involved in undergraduate teaching, elected by the Medical Board.
- (iv) in the case of St Margaret's Hospital for Women, of:
  - the Dean of the Faculty, *ex officio* (Chairman);
  - the Head of the Department of Obstetrics and Gynaecology, *ex officio*, or his nominee;

the members of the academic staff of the University located at, or directly associated with, the Hospital;

the Chairman of the Medical Board of the Hospital, *ex officio*;

the Medical Superintendent of the Hospital, *ex officio*;

not more than four members of the Medical Board of the Hospital, who are involved in undergraduate teaching, elected by the Medical Board.

- (v) in the case of the Royal Alexandra Hospital for Children of:
  - the Dean of the Faculty of Medicine, *ex officio* (Chairman);
  - the Professors of the Universities Department of Paediatrics, *ex officio*, or their deputies;
  - the Sir Lorimer Dods Professor and Director of the Children's Medical Research Foundation, or his deputy;
  - the Heads of the University Departments of Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry, Anaesthetics and Ophthalmology and Eye Health, *ex officio*, or their deputies;
  - the Professor of Orthopaedic and Traumatic Surgery, *ex officio*, or his deputy;
  - the full-time members of the University Department of Paediatrics;
  - the Clinical Lecturers (part-time) in Surgical Diseases of Children, *ex officio*;
  - the Chairman of the Medical Board of the Hospital, *ex officio*;
  - the Medical Superintendent of the Hospital, *ex officio*, or his deputy;
  - the Warden of the Clinical School, *ex officio*;
  - the Clinical Supervisors, *ex officio*; and
  - not more than four members of the Medical Board of the Hospital who are involved in undergraduate teaching, elected by the Medical Board.
- (vi) in the case of the Parramatta Hospitals/ Westmead Centre of:
  - the Dean of the Faculty, *ex officio* (Chairman);
  - the Sub-Dean (Westmead Centre), *ex officio*;
  - the full-time members of the academic staff of the University located at the hospital;
  - the Heads of the University Departments of Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry, Anaesthetics and Community Medicine, *ex officio*, or their nominees;
  - the Professor of Child Health, *ex officio*;
  - those persons on whom the Senate has conferred the title Clinical Professor, Clinical Associate Professor, Clinical Senior Lecturer or Clinical Lecturer, and who are located at the hospital, *ex officio*;
  - the General Superintendent, *ex officio*;
  - the Director of Medical Services, *ex officio*;
  - the Director of Teaching and Research Resources, *ex officio*;
  - three members of the Medical Board nominated by the Chairman of the *Medical Board*.

(b) A Board of Medical Studies shall be established for the three psychiatric hospitals and shall consist of: the Dean or Pro-Dean of the Faculty, *ex officio* (Chairman); the Sub-Dean (Clinical) of the Faculty, *ex officio* (Deputy Chairman); the

XII: MEDICINE:  
FACULTY RESOLUTIONS

Professor of Psychiatry, *ex officio*; the Head of the Department of Medicine, *ex officio*, or his deputy; the Director of State Psychiatric Services, *ex officio*, or his deputy; the Director of the Division of Establishments, Department of Public Health, *ex officio*; the Director for the Intellectually Handicapped, Department of Public Health, *ex officio*; the Medical Superintendents of the three hospitals, *ex officio*; the Clinical Supervisors, *ex officio*; the full-time members of the Professorial units based on the hospitals; three members elected by the specialist staff of the hospitals.

(c) Each Board shall have the power to co-opt other members of the Teaching Staff of the hospital concerned.

(d) At its first meeting each year each Board shall elect a secretary. In the case of the Parramatta Hospitals / Westmead Centre the administrative officer of the Clinical School shall be appointed secretary.

(e) Sydney Hospital students may nominate three members of the student body at Sydney Hospital to be members of the Board of Medical Studies at Sydney Hospital.

(f) Royal Prince Alfred Hospital students may nominate three members of the student body at Royal Prince Alfred Hospital to be members of the Board of Medical Studies at the Royal Prince Alfred Hospital.

(g) Repatriation General Hospital, Concord students may nominate three members of the student body at the Repatriation General Hospital, Concord, to be members of the Board of Medical Studies at the Repatriation General Hospital, Concord.

(h) Lidcombe Hospital students may nominate two members of the student body at Lidcombe Hospital to be members of the Board of Medical Studies of Lidcombe Hospital.

(i) Students at the Parramatta Hospitals / Westmead Centre may nominate three members of the student body at the Centre to be members of the Board of Medical Studies of the Parramatta Hospitals / Westmead Centre.

2. The members shall hold office for one year, but shall be eligible for re-election.

3. In the cases of the six general teaching hospitals the Board shall meet at least once each term. In the cases of the other hospitals, the Board shall meet at least once per year.

4. The Board shall arrange all the details in connection with the students' work and, subject to confirmation by the Board of Directors or controlling body, shall make rules in regard thereto, and, in general, carry out the recommendations of the Faculty of Medicine in each clinical school.

5. The Board is empowered to call upon any member of the honorary staff or any student, for information concerning time-table, attendances, or student work generally, the results of such inquiry to be reported to the Board of Directors when deemed advisable.

6. The Board shall make representations to the Board of Directors or controlling body in respect of additional facilities that may be deemed necessary for the improvement of undergraduate education, or to carry out the requirements of the Faculty of Medicine.

7. The Board shall report from time to time to the Board of Directors or controlling body and to the Faculty of Medicine upon the results of its deliberations and its actions.

8. The Board shall constitute the normal means of

communication between the Faculty of Medicine and the hospital in all matters referring to the education of students. It shall refer any difficulty encountered to the Faculty to which it shall be deemed responsible for the conduct of student education at each hospital.

### ALLOCATION OF THIRD YEAR MEDICAL STUDENTS TO THE TEACHING HOSPITALS

1. In Michaelmas term of the Second Year, students shall submit to the Registrar of the University applications for allocation to a teaching hospital, indicating their order of preference for the hospitals concerned and stating their place of residence.

2. The Dean of the Faculty of Medicine or the nominee of the Dean shall determine the number of students to be allocated to each hospital and this number shall in general be determined by the number of beds available for general teaching purposes in each hospital each year.

3. For the purposes of allocation, students shall be divided into six groups, as nearly as possible of equal number, in descending order of merit based on their aggregate marks at the second year examinations. Within each group, students shall be allocated to the most appropriate hospital on a geographical basis according to their stated place of residence. Within each group the allocation will then be modified to conform as far as possible to the students' first preferences for hospitals. Allocation shall be initially undertaken by students about to enter Third Year Medicine under the guidance of the Sub-Dean (Student Affairs) and the Dean.

4. For the purpose of allocating students to hospitals on a geographical basis, the metropolitan area of Sydney shall be divided into five regions, to be known as the Central, Northern, Eastern, Southern and Western regions. The regions shall be defined as follows:

**Central Region:** The University and its immediate environs: that is, all Colleges and the suburbs of Camperdown, Chippendale, Darlinghurst, Forest Lodge, Glebe, Golden Grove, Newtown, Redfern and Surry Hills.

**Northern Region:** Includes the municipalities of Ku-ring-gai, Lane Cove, Manly, Mosman, North Sydney, Warringah and Willoughby.

**Eastern Region:** Includes the municipalities of Botany, Randwick, Waverley and Woollahra.

**Southern Region:** Includes the municipalities of Hurstville, Kogarah, Marrickville and Rockdale and Sutherland Shire, and the suburbs of East Hills, Narwee, Padstow, Panania, Picnic Point, Revesby and Undercliffe.

**Western Region:** The areas to the west of the Northern, Central, and Southern Regions as previously defined.

5. Within each group allocation will generally proceed as set out below, with modification determined by the number of students from each region and the students' stated preferences for hospitals. Students whose stated place of residence is within the Northern region shall mainly be allocated to the Royal North Shore Hospital. Students in the Eastern region shall mainly be allocated to the Royal Prince Alfred Hospital. Students in the Western region shall mainly be allocated to the Repatriation General Hospital, Concord, to Lidcombe Hospital or to Westmead Hospital. Students in the Southern region shall mainly be allocated to the Royal Prince Alfred Hospital. Students in the Central region shall be allocated to any appropriate hospital.

6. Students allocated to one hospital may be permit-

ted to exchange forthwith with students allocated to another hospital, provided they make immediate application to and obtain the approval of the Registrar of the University. Students shall not subsequently be permitted to exchange a hospital other than that to which they have been first allocated except with the express permission of the Dean of the Faculty of Medicine granted only for special reasons and with the concurrence of the Boards of Studies of the hospitals concerned.

7. Students with approval of the Faculty, may be permitted to receive clinical training in two or more teaching hospitals.

#### **APPOINTMENT OF INTERNS TO THE TEACHING AND NON-TEACHING HOSPITALS**

1. Graduands in Medicine of the University of Sydney shall be allocated as interns to teaching and non-teaching hospitals by a committee of the New South Wales Department of Health which includes representatives of the Universities of Sydney, Newcastle and New South Wales, their teaching hospitals and of other approved hospitals as determined by the Department.

2. Candidates for the final degree examinations in Medicine shall complete a form indicating their order of preference for intern positions at the various hospitals.

3. A list of graduands in order of merit shall be prepared, based on the aggregate loaded marks used to determine the award of honours at graduation. Any concession allowed under the final paragraph of the Faculty Resolutions on honours at graduation shall be taken into account in preparing such a list. The list shall also show the aggregate loaded mark expressed as a percentage for each candidate.

4. The list referred to in Resolution 3 shall be combined with order of merit lists of graduands of the Universities of Newcastle and New South Wales. In the case of ties, the position in the combined list shall be determined by lot. The final combined list shall be forwarded in confidence to the New South Wales Department of Health.

5. Graduands will be allocated to intern positions, in accordance with their preferences, in the order in which they appear in the combined order of merit list. **N.B.** Graduands are advised that it is the policy of the New South Wales Department of Health that, in the appointment to hospitals of interns, students married to other students in the same year may apply to be allocated to the same hospital and will be placed at the hospital to which the student with the lower aggregate is allocated. Deferment of internship is discouraged by the Department. Graduates applying for placement after deferment of internship will be allocated to a hospital according to their position on the combined order of merit list being considered at the time of their application.

#### **BOARDS OF EXAMINERS AND BOARDS OF POSTGRADUATE STUDIES**

Pursuant to section 12 of Chapter VIII of the By-laws, the Faculty of Medicine has resolved to appoint the following Boards of Examiners and Boards of Postgraduate Studies:

##### **Boards of Examiners**

*Degree of Bachelor of Medicine and Bachelor of Surgery*

1. The Faculty of Medicine shall appoint annually Boards of Examiners which shall be responsible for the conduct of examinations for the degrees and which

shall determine the specific results of each of the candidates after considering the recommendations of the examiners appointed by the Faculty.

2. There shall be a Board of Examiners for—

- (a) each of the academic years of the curriculum, and
- (b) the Option term in the final year.

3. (i) Each Board of Examiners shall consist of the heads of the departments and schools, or their nominees, which contribute to the courses being examined.

(ii) The Board of Examiners for the Option Term shall consist of all heads of departments and / or their nominees and the chairman of the Interdepartmental Committee on the Option Term or the nominee of the chairman.

(iii) The Boards of Examiners for the third and subsequent academic years of the five-year curriculum (1974 Resolutions) shall include Sub-Deans and Wardens of the teaching hospitals.

4. The Dean of the Faculty or the nominee of the Dean shall chair meetings of the Boards of Examiners.

##### *Degree of Bachelor of Science (Medical)*

1. The Faculty of Medicine shall appoint annually a Board of Examiners which shall be responsible for the conduct of examinations for the degree and which shall determine the specific results of each of the candidates after considering the recommendations of the examiners appointed by the Faculty.

2. The Board of Examiners shall consist of the heads of Departments of Anatomy, Behavioural Sciences in Medicine, Biochemistry, Histology and Embryology, Infectious Diseases, Medicine, Obstetrics and Gynaecology, Pathology, Pharmacology, Physiology and Surgery or their nominees.

3. The Board of Examiners may co-opt other members of the Faculty.

4. The Dean of the Faculty or the nominee of the Dean shall chair meetings of the Board of Examiners.

##### **Board of Postgraduate Studies**

1. The Faculty shall appoint a Board of Postgraduate Studies which shall exercise the powers and functions of the Faculty in respect of candidates for postgraduate degrees and diplomas.

2. The Board shall consist of the heads of departments and schools in the Faculty or their nominees.

3. The Dean of the Faculty or the nominee of the Dean shall chair meetings of the Board.

# Faculty of Science

## BY-LAWS CHAPTER XIII

1. (1) The Faculty of Science shall comprise, apart from *ex officio* members, the following persons:
  - (a) The Professors, Readers, Associate Professors, Directors, Senior Lecturers, Lecturers and Senior Tutors being full-time permanent or full-time temporary members of the teaching staff in the subjects in which Honours courses are provided in the Science and Pharmacy curricula,
  - (b) the Deans of the Faculties of Arts, Agriculture, Engineering and Law or their nominees,
  - (c) the Director of the Electron Microscope Unit,
  - (d) the Curator of the Macleay Museum,
  - (e) not more than three persons distinguished in the field of Science and its teaching appointed by the Senate on the nomination of the Dean with the approval of the Faculty,
  - (f) not more than eight students, undergraduate, or post-graduate, enrolled as candidates for a degree or diploma in Science or Pharmacy in the University of Sydney elected in the manner prescribed by resolution of the Senate<sup>1</sup>,
  - (g) the Course Supervisor for the Diploma in Nutrition and Dietetics,
  - (h) the Lecturer in History and Philosophy of Science,
  - (i) not more than five persons, who have teaching, research or other appropriate associations with the work of the Faculty, appointed by the Senate on the nomination of the Dean with the approval of the Academic Board;
  - (j) (*repealed*)
  - (k) such other full-time members of the teaching staff of Departments offering courses, but not offering Honours courses, for the degree of Bachelor of Science or Bachelor of Pharmacy, as may be annually appointed by the Faculty at a meeting in Michaelmas Term each year.
- (2) The persons appointed under subsection (1) (e) shall be appointed for a period of three years and shall be eligible for reappointment for one further period of three years.

- (3) The persons appointed under subsection (1) (i) shall be appointed for a period of three years and shall be eligible for re-appointment.
2. (1) The degrees in the Faculty of Science shall be:
  - (a) Bachelor of Science (B.Sc.)
  - (b) Master of Science (M.Sc.)
  - (c) Doctor of Science (D.Sc.)
  - (d) Doctor of Philosophy (Ph.D.)
  - (e) Bachelor of Pharmacy (B.Pharm.)
  - (f) Master of Pharmacy (M. Pharm.).
- (2) The diplomas in the Faculty of Science shall be:
  - (a) Diploma in Computer Science (Dip. Comp. Sc.)
  - (b) Diploma in Nutrition and Dietetics (Dip. Nutr. Diet.)
  - (c) Diploma in Hospital Pharmacy (Dip. H. Pharm.)
  - (d) Diploma in Resource Geology (Dip. Res. Geol.).

## BACHELOR OF SCIENCE

3. (1) The degree shall be awarded in 2 grades, namely, the Pass degree and the Honours degree.
- (2) There shall be 3 classes of Honours, namely, Class I, Class II and Class III and within Class II there shall be 2 Divisions, namely, Division I and Division 2.
4. Candidates subsequent to matriculation shall complete such requirements for the degree as may be prescribed by resolution from time to time by the Senate on the recommendation of the Academic Board and the Faculty of Science.<sup>1</sup>
5. The provisions of section 4 and the resolutions<sup>1</sup> arising therefrom shall come into force on the first day of January, 1968, provided that candidates for the degree of Bachelor of Science or for the degree of Bachelor of Science in General Science who commenced prior to this date, may complete in accordance with the By-laws existing at the time they commenced, provided that they complete the requirements for the degree by 31st December, 1971, or such later date as the Faculty may approve in special cases, provided further that, if a course specified in those By-laws is discontinued, the Faculty may permit candidates to substitute a course or courses prescribed in accordance with the provisions of section 4 and deemed by the Faculty to be equivalent to the discontinued course. Candidates who do not complete such requirements by that date will complete the requirements for the degree under such conditions as may be determined from time to time by the Dean.

## MASTER OF SCIENCE

6. (1) The Faculty may, on the recommendation of the Head of the Department concerned, admit to candidature for the degree an applicant—
  - (a) who is a graduate of the University of Sydney; and
  - (b) who has, in the opinion of the Faculty, reached a first or second class Honours standard—
    - (i) in the final year of an Honours course approved by Senate Resolution for either the degree of Bachelor of Science or the degree of Bachelor of Pharmacy; or
    - (ii) in a course considered by the Faculty to be equivalent to a course referred to in subparagraph (i),

<sup>1</sup> See Senate Resolutions following Chapter VIII.

<sup>1</sup> See Senate Resolutions this chapter.

or who has, in some other manner, acquired a standard of knowledge considered by the Faculty to be equivalent to a first or second class Honours standard in a course referred to in subparagraph (i).

(2) Notwithstanding subsection (1), the Academic Board may admit a person to candidature for the degree in accordance with the provisions of Chapter XXVIA of these by-laws.

7. A candidate shall complete such requirements for the degree as may be prescribed by Resolution of the Senate on the recommendation of the Academic Board and of the Faculty of Science.

8. (1) Section 7 and the Resolutions arising therefrom shall take effect on 1 January 1975.

(2) Notwithstanding subsection (1), a candidate who is admitted to candidature for the degree before 1 January 1975, may complete the degree in accordance with the by-laws existing at the time he so commenced subject to any amendments thereof that take effect before 1 January 1975.

9-11. [Repealed.]

### DOCTOR OF SCIENCE

12. The degree of Doctor of Science shall not be conferred except as prescribed in Chapter XIXB.<sup>1</sup>

### DOCTOR OF PHILOSOPHY

13. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXD.

### BACHELOR OF PHARMACY

14. (1) The degree shall be awarded in 2 grades, namely, the Pass degree and the Honours degree.

(2) There shall be 3 classes of Honours, namely, Class I, Class II and Class III and within Class II there shall be 2 Divisions, namely, Division I and Division 2.

15. Candidates subsequent to matriculation shall complete such requirements for the degree as may be prescribed by resolution from time to time by the Senate on the recommendation of the Academic Board and the Faculty of Science.<sup>2</sup>

16. The provisions of section 15 and the resolutions arising therefrom shall come into force on the first day of January, 1969, provided that candidates for the degree of Bachelor of Pharmacy who commenced prior to this date may complete in accordance with the By-laws existing at the time they commenced, provided that they complete the requirements for the degree by 31st December, 1972, or such later date as the Faculty may approve in special cases; provided further that, if a course specified in those By-laws is discontinued, the Faculty may permit candidates to substitute a course or courses prescribed in accordance with the provisions of section 15 and deemed by the Faculty to be equivalent to the discontinued course. Candidates who do not complete such requirements by 31st December, 1972, will complete the requirements for the degree under such conditions as may be determined from time to time by the Dean.

### MASTER OF PHARMACY

17. An applicant for admission as a candidate for the degree shall—

(a) except as provided in Chapter XXVIA of these By-laws be a Bachelor of Pharmacy of

the University of Sydney with first or second class honours in that branch of Pharmaceutical Science in which he seeks to be a candidate;

(b) pass a preliminary examination unless he is a Bachelor of Pharmacy with first or second class honours or exempted by the Faculty;

(c) apply during Lent Term for the approval of the Head of the Department and of the Faculty of the topic of a thesis.

18. After admission by the Faculty a candidate shall—

(a) not less than one year after passing the preliminary examination nor less than six months after approval of the topic of the thesis lodge a thesis embodying the results of an original investigation by him;

(b) if required by the examiners, sit for an examination in the branch or branches of Pharmaceutical Science to which the topic of his thesis relates.

19. The investigation shall be carried out in the University of Sydney, except that the Faculty may permit a candidate who is a graduate of the University of Sydney to carry out the investigation or part of it elsewhere.

20. The Faculty shall appoint a member of the staff of the University to act as adviser to the candidate.

21. A candidate shall lodge with the Registrar three copies (printed or typewritten) of his thesis not later than the first day of February of the year in which he is to be examined for the degree. He shall state in this thesis, generally in a preface and specifically in notes, the sources from which his information was derived, the extent to which he has availed himself of the work of others, and the portion of the thesis which he claims as original.

22. The Faculty shall appoint two examiners of whom one should be normally the person appointed to act as adviser in accordance with Section 20 of this chapter.

23. The degree is not conferred in the case of a Bachelor of Pharmacy with first or second class honours until the candidate is a graduate of one year's standing and in the case of any other candidate until he is a graduate of two years' standing.

24. (1) A candidate admitted under Chapter XXVIA of these By-laws shall,

(a) be a graduate in Pharmacy of another University at the time of his admission or hold such other qualifications in Pharmacy as may be considered equivalent by the Faculty and the Academic Board; and

(b) engage for a period of not less than two years in advanced study and research in the University of Sydney.

(2) Time spent by a candidate in advanced study and research in the University of Sydney before admission as a candidate may, for the purpose of this By-law, be deemed by the Faculty to be time spent after such admission.

### DIPLOMAS

25. A candidate for a diploma shall complete the requirements for the diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

## RESOLUTIONS OF THE SENATE

### BACHELOR OF SCIENCE

In accordance with Chapter XIII, section 4 of the By-laws, the following Resolutions governing candi-

XIII: SCIENCE:  
BY-LAWS  
SENATE RESOLUTIONS

<sup>1</sup> For resolutions of the Faculty of Science concerning the submission of published work for examination for the degree of Doctor of Science see Faculty Resolutions this chapter.

<sup>2</sup> See Senate Resolutions this chapter.

dature for the degree of Bachelor of Science have been prescribed by the Senate:

1. (1) A course shall consist of lectures together with such tutorial instruction, essays, exercises or practical work as may be prescribed. In these resolutions, 'to complete a course' and derivative expressions mean—

- (a) to attend the lectures and the meetings, if any, for tutorial instruction;
- (b) to complete satisfactorily the essays, exercises and the practical work, if any; and
- (c) to pass the examinations of the course.

(2) Each course shall be designated as a 'Junior' course, an 'Intermediate' course, a 'Senior' or a 'Senior Advanced' course. Each Intermediate course shall be designated as 'Normal', 'Auxiliary', 'Introductory', 'Concurrent Degree', 'Long' or 'Combined'.

(3) Except as provided in subsections (4) and (5) candidates who have completed a course shall have units credited towards the completion of a degree in accordance with the following:

Junior Course .....	6 units
Intermediate courses—	
Normal .....	8 units
Auxiliary .....	4 units
Introductory .....	4 units
Concurrent Degree .....	6 units
Long .....	10 units
Combined .....	12 units
Senior Course .....	12 units
Senior Advanced Course .....	12 units

(4) Candidates who have completed the Intermediate Normal Course in a subject may subsequently take the Intermediate Long Course in that subject. On completion of this course such candidates will be credited with an additional 2 units.

(5) Candidates who have completed the Intermediate Auxiliary Course in a subject may, subject to any other provisions of these Resolutions, subsequently take either the Intermediate Long Course or the Intermediate Normal Course in that subject. On completion of the Intermediate Long Course such candidates will be credited with an additional 6 units, or on completion of the Intermediate Normal Course with an additional 4 units.

2. In these resolutions, the roman numeral I, II, III, or IV placed immediately after the name of a subject means the First, Second, Third and Fourth course respectively in that subject.

3. (1) An examination called an 'Annual Examination' shall be held at the end of each course.

(2) Candidates may be tested by written and oral class examinations, exercises, essays or practical work or any combination of these and the results of such tests may be taken into account in determining the results of the annual examinations.

(3) In all courses work of a standard higher than that required for an ordinary pass may be recognised by the award of High Distinction, Distinction or Credit.

(4) (i) In any course at the Annual Examination the Faculty may award a Terminating Pass which entitles the candidate to be credited with the full number of units for that course. Candidates who have been awarded a Terminating Pass in a course are not thereby qualified to take a higher course in that subject, but otherwise

such candidates shall be held to have completed such course.

- (ii) Candidates who have been awarded a Terminating Pass in any course may take that course again. On completion of this course such candidates will not be credited with any further units.

4. Candidates who have been prevented by duly certified illness or misadventure from sitting for the whole or part of the Annual Examinations may be tested at such times and in such way as the Faculty shall determine.

5. Candidates who have completed a course shall be held to have so far qualified for the degree.

6. Candidates who do not pass the Annual Examinations in a course shall, unless exempted by the Dean, again attend lectures and other classes and complete the prescribed written and other work in all such courses in which they are permitted to re-enrol.

7. Candidates who present themselves for re-examination in any course shall not be eligible for any prize or scholarship awarded in connection with such examination.

8. (1) Graduates in other Faculties who desire to proceed to the degree of Bachelor of Science may be given credit of not more than 26 units for courses set out in Resolution 15 provided they have completed for their previous degree those courses or a course or courses considered by the Faculty to be equivalent and shall complete sufficient courses not already taken to gain the requisite units. The approval of the Faculty must be obtained for the courses proposed.

(2) Students who have completed a course or courses in another Faculty or in other Faculties may apply for permission to transfer to the Faculty of Science. Students who are granted such permission may be given credit for any number of courses provided they have completed in the other Faculty or Faculties, this course or a course or courses considered by the Faculty to be equivalent and provided they have abandoned credit for that course or those courses in the other Faculty or Faculties and shall be required to complete in accordance with the requirements of these resolutions the requisite number of courses not already taken.

(3) In each of the circumstances of the foregoing subsections, where an applicant for candidature has completed courses which are not comparable with any of the courses set out in the Tables, the Faculty may, either instead of or in addition to giving credit for any course that is so set out, give credit for such number of units, to be designated by the Faculty as Junior, Intermediate, Senior or Senior Advanced, as the Faculty may determine, and all units so credited shall, notwithstanding anything contained in these resolutions, count accordingly towards the satisfaction of the requirements of the degree.

9. Except with the permission of the Faculty:

(i) candidates may not take an Intermediate course:

(a) until they have completed at least three Junior Courses of which one must be Physics I (or Physics I (Life Sciences)), Chemistry I, Mathematics I or General Pure Mathematics; and

(b) until they have completed the Junior Courses, if any, prescribed by the Faculty as prerequisites for the Intermediate Course as set out in Resolution 15;



- (ii) candidates may not take a Senior Course:
  - (a) until they have gained credit for at least 16 units in Intermediate Courses;
  - (b) until they have completed at least two of the courses Physics I (or Physics I (Life Sciences)), Chemistry I, Mathematics I or General Pure Mathematics; and
  - (c) until they have completed the Intermediate and Junior Courses, if any, prescribed by the Faculty as prerequisites for the Senior Course as set out in Resolution 15;
- (iii) candidates may not take the Senior Advanced Course in a subject except with the permission of the Head of the Department concerned and then only concurrently with the co-existing Senior Course in the same subject, unless that Senior Course has been completed previously;
- (iv) candidates may not take Course II or any other higher course in any subject without having previously completed the lower course or courses in the same subject or, in the case of a candidate who has not failed in the lower qualifying course, some other course or courses allowed by the Faculty to count as equivalent. For the purposes of this subsection candidates who complete an Intermediate Auxiliary Course do not thereby qualify to take the Senior Course in that subject; candidates who complete the Intermediate Introductory Course in a subject may, subject to the conditions of subsection (iii), take the Senior Course in that subject.

10. Candidates for the Pass degree shall:
- (1) except as provided in Resolution 13(2) or if granted credit in accordance with Resolution 8 enrol during the first year of attendance in four Junior courses chosen as follows:
    - one course from Group (a) and one course from Group (b) and
    - (i) two courses from Group (c); or
    - (ii) one course from Group (c) and one course from Group (d); or
    - (iii) one course from Group (c) and one course from Group (e)

where

Group (a) includes Mathematics I and General Pure Mathematics;

Group (b) includes Physics I (or Physics I (Life Sciences)) and Chemistry I;

Group (c) includes Physics I (or Physics I (Life Sciences)), Chemistry I, Computer Science I, Geology I, Biology I, Geography I and Psychology I;

Group (d) includes Legal Institutions; and

Group (e) includes General Computing Studies Accounting I, Economics I (or The Australian Economy), Economic History I, English I, Linguistics I, History I, Archaeology I, Biblical Studies I, Philosophy I, Government I, Anthropology I, Music I, Fine Arts I, Religious Studies I, Islamic Studies I, or any of the First Year courses in the subjects Greek, Modern Greek, Latin, Hebrew, French, German, Italian, Chinese, Japanese, Arabic and Indonesian and Malayan Studies.<sup>1</sup>

- (2) Complete: (a) either Mathematics I or General Pure Mathematics; and

- (b) two courses chosen from Physics I (or Physics I (Life Sciences)), Chemistry I, Geology I, Biology I, Geography I and Psychology I of which at least one shall be Chemistry I or Physics I (or Physics I (Life Sciences)).
- (3) complete courses totalling at least 70 units of which—
  - (a) at least 36 shall be units for Senior and Intermediate Courses;
  - (b) at least 12 shall be units for Senior Courses;
  - (c) at least 16 shall be units for Intermediate (Normal, Long or Combined) Courses, provided that the Faculty may admit a candidate who takes two Senior Courses, a prerequisite for one of which is an Intermediate 4 unit Course, to count that Intermediate 4 unit Course along with another Intermediate 4 unit Course as together constituting an equivalent Intermediate Normal Course;
  - (d) not more than 14 units shall be credited towards the degree from the courses Education II, Contracts, Public Law and Torts and/or courses selected from paragraph (1), Group (e) of this Resolution.
  - (4) gain credit for at least 70 units of which not more than 14 units, obtained from not more than two whole courses, shall be credited from courses in which terminating passes have been awarded.<sup>1</sup>

11. The choice of courses made by candidates shall be limited by the exigencies of the time-table provided that candidates who have completed at least three Junior courses and who seek to enrol in two courses which are given wholly or partly at the same hour or hours, may be granted by the Heads of the Departments concerned, permission to attend equivalent courses or parts of courses given at another hour or other hours.

12. Candidates who in any year intend to proceed towards the degree of Bachelor of Science as part-time students shall indicate this intention when enrolling.

- 13. (1) Except with the permission of the Faculty, candidates may not take in any one academic year more than four courses, or courses with a total number of units in excess of 26.<sup>2</sup>

(2) Candidates proceeding as part-time students shall not, except with the permission of the Faculty take in any one academic year more than three courses, or courses with a total number of units in excess of 18. They shall not take courses with a total number of units less than 6. A candidate who enrolls in courses with a unit value in excess of 18 without such permission shall be deemed to be a full-time student.

- 14. (1) No course may be counted more than once as a qualifying course for the degree.

(2) Candidates may not have credited for the degree units derived from more than one of such courses as the Faculty deem to be mutually exclusive except as provided in Resolution 1 (4) and (5).

(3) A candidate who has enrolled in a course, a non-optional part of which is similar in content to part of (i) a course previously completed or (ii) another course in which he is currently enrolled, must complete an equivalent amount of alterna-

<sup>1</sup> In selecting a course from Group (e), candidates shall be required to comply with Resolution 11 of these Resolutions as well as those of the Faculties of Arts and Economics with respect to such course.

<sup>2</sup> The following are some of the combinations of courses in which terminating passes have been awarded which may have units credited towards the degree: two 6 units courses; one 6 unit and one 8 unit course; one 6 unit and one 4 unit course; one 8 unit and one 4 unit course; two 4 unit courses; one 10 unit and one 4 unit course. Examples of combinations which cannot be counted are: two 8 unit courses; one 10 unit and one 6 unit course; one 10 unit and one 8 unit course. In these cases, only one course may be counted.

<sup>3</sup> A course here includes Intermediate Introductory and Auxiliary Courses.

tive work, as directed by the Head(s) of Department(s) concerned, in order to complete the course.

(4) A candidate may not take an option within a course which is similar in content to part of a course concurrently being taken or previously completed.

(5) A candidate may not have credited for the degree more than 16 units derived from Intermediate courses in Biology or more than 24 units derived from Senior or Senior Advanced courses in Biology.

**15. Courses for the degree shall:**

- (a) be in such subjects;
- (b) have such unit values; and
- (c) have such prerequisite and co-requisite courses

as set out in the following table, except that the Faculty may permit a candidate of merit under special circumstances to enrol in a course or courses other than those specified in this table and to have such units credited towards his degree upon completing such a course or courses as the Faculty may determine.

For the purposes of these resolutions:

- (i) prerequisite course means a course other than a lower qualifying course in a subject which except with the permission of the Head of the Department concerned, must have been completed prior to a candidate taking a course for which the Faculty has declared it to be a prerequisite;
- (ii) co-requisite course means a course which unless previously completed must, except with the permission of the Head of the Department, be taken concurrently with the course for which the Faculty has declared it to be a co-requisite.

**15A.** Notwithstanding the provisions of Chapter XIXA of the By-laws and subject to section 10 of these Resolutions, a person may proceed concurrently as a candidate for the degrees of Bachelor of Science and Bachelor of Laws and may receive credit for up to 20 units in respect of the courses Legal Institutions, Public Law, Contracts and Torts for the Bachelor of Science degree, provided that such a candidate may not, except with the express permission of the Deans of

the Faculties of Science and Law, enrol in courses of a total unit value exceeding that specified in section 13 of these Resolutions.

**16. (1)** Candidates for the Honours degree shall complete an Honours course.

(2) There shall be an Honours course in the following subjects:

Agricultural Chemistry, Anatomy, Biochemistry, Biology, Cell Pathology, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Theoretical Chemistry, Computer Science, Geography, Geology, Geomorphology with Geography, Geophysics, Histology, Marine Sciences, Applied Mathematics, Pure Mathematics, Mathematical Statistics, Microbiology, Pharmacology, Physics, Physiology, Psychology and Soil Science.

**17.** In order to qualify for admission to an Honours course candidates shall have qualified for the award of a Pass degree and be considered by the Faculty and the Head of the department concerned to have the requisite knowledge and aptitude for an Honours course.

**18. (1)** There shall be no re-examination for Honours.

(2) A candidate with an outstanding performance in the subject of an honours course shall, if deemed to be of sufficient merit by the Faculty, receive a bronze medal.

**19. (1)** Candidates may not take more than one Honours course in any one academic year.

(2) Candidates who have qualified for the Honours degree may, before the degree is conferred, take in the next succeeding year or at such later time as the Faculty permits, an additional Honours course which they are qualified to enter.

**20.** Notwithstanding any provisions of Chapter XIXA of the By-laws or any other of these Resolutions, students who have completed studies in the Faculty of Engineering may be admitted by the Faculty of Science to candidature for the degree. Such students shall comply with such requirements for the degree as may be prescribed by the Resolutions of the Senate and by Resolution of the Faculty.<sup>1</sup>

<sup>1</sup> See also Faculty Resolutions this Chapter.

TABLE [See Resolution 15]

[Continued following table]

(a) Courses	(b) Unit values	(c) Assumed standard of knowledge at matriculation examination or Higher School Certificate examination (as approved by the Senate)	(d) Prerequisites (P) and Corequisites (C)	(e) Additional information about courses
<b>A. Junior courses</b>				
Biology I	6	Biology 2 unit core course		See prerequisites for intermediate and senior courses in Biology
Chemistry I	6	Mathematics 2 unit course and the Chemistry section of the Science 4 unit or 3 unit course or 2 unit Chemistry†		See prerequisites for Chemistry II

† Candidates who have not achieved this assumed standard will be required to undertake supplementary work, details of which are set out in the *Guide for New Students*.

TABLE [See Resolution 15]

(a) Courses	(b) Unit values	(c) Assumed standard of knowledge at matriculation examination or Higher School Certificate examination (as approved by the Senate)	(d) Prerequisites (P) and Corequisites (C)	(e) Additional information about courses
<b>A. Junior courses—continued</b>				
Computer Science I	6	Mathematics 2 unit course*	Recommended concurrent course: Mathematics I or Economic Statistics I	
General Computing Studies	6			Terminating course
General Pure Mathematics	6	Mathematics 2 unit course†		Terminating course
Geography I	6			
Geology I	6	No previous knowledge of Geology assumed††		See prerequisites for Geology II
Mathematics I	6	Mathematics 3 unit course		
Physics I	6	Mathematics 3 unit course and the Physics section of the Science 4 unit or 3 unit course or 2 unit Physics†	C: Mathematics I	See prerequisites for Physics II and Physics III
Physics I (Life Sciences)	6	Mathematics 2 unit course and the Physics section of the Science 4 unit or 3 unit course or 2 unit Physics†		**
Psychology I	6			See prerequisites for Psychology II and Psychology III
Accounting I	6			
Economic History I	6			
Economics I	6	Mathematics 2 unit course		
Government I	6			
Legal Institutions	6			
The Australian Economy	6			May not be counted with Economics I
Arabic IA	6			
Arabic IB	6			
Archaeology I	6			
Biblical Studies I	6			
Chinese IA	6			
Chinese IB	6			
English I	6			
Fine Arts I	6			
French IAB	6			
French IA	6			
French IB	6			
German IAB	6			
German IA	6			
German IB	6			
Greek IA	6			
Greek IB	6			
Greek IB (Koine)	6			
Hebrew IA	6			
Hebrew IB	6			
History I	6			
Indonesian and Malayan Studies IA	6			

Students should consult the Faculty of Arts  
Handbook to determine any prerequisites,  
corequisites or other requirements relating to  
enrolment in courses offered by departments  
in the Faculty of Arts.

†† Students enrolling in Geology I should have Physics or Chemistry as a background—in a 2, 3 or 4 unit Science course.

\* From 1988 assumed knowledge will be 3 unit Mathematics.

\*\* This course is not acceptable as a qualifying course for Physics II except by special arrangement with the head of the School of Physics.

(a) Courses	(b) Unit values	(c) Assumed standard of knowledge at matriculation examination or Higher School Certificate examination (as approved by the Senate)	(d) Prerequisites (P) and Corequisites (C)	(e) Additional information about courses
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**A. Junior courses—continued**

Indonesian and Malayan Studies IB	6			
Italian IA	6			
Italian IB	6			
Islamic Studies I	6			
Japanese IA	6			
Japanese IB	6			
Latin IA	6			
Latin IB	6			
Linguistics I	6			
Modern Greek IAB	6			
Modern Greek IA	6			
Modern Greek IB	6			
Music I	6			
Philosophy I	6			
Prehistory I	6			
Religious Studies I	6			
Social Anthropology I	6			

(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>B. Intermediate courses</b>				
<b>(1) Normal</b>				
Agricultural Chemistry I	8		Chemistry I is the qualifying course. Students obtaining a 'T' pass in Chemistry I may apply under Resolution 9(iv) for admission. May not be counted with any intermediate course in Biochemistry.	Faculty is unlikely to consider requests made under Resolution 9(iv) unless you have gained satisfactory results in your other three Junior subjects
Applied Mathematics II	8	P: Mathematics I		
Biochemistry I	8		Chemistry I is the qualifying course. May not be counted with Agricultural Chemistry I	You are advised also to enrol in any intermediate Chemistry course
Biology II (Animals)	8	P: Chemistry I and Physics I or Physics I (Life Sciences) or Mathematics I or General Pure Mathematics	Biology I is the qualifying course	
Biology II (Plants)	8	P: Chemistry I and Physics I or Physics I (Life Sciences) or Mathematics I or General Pure Mathematics	Biology I is the qualifying course. May not be counted together with Biology II (Plants) Auxiliary	

(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>B. Intermediate courses</b>				
<b>(1) Normal—continued</b>				
Biology II (Genetics, Cellular and Developmental)	8	P: Chemistry I and Physics I or Physics I (Life Sciences) or Mathematics I or General Pure Mathematics	Biology I is the qualifying course. May not be counted together with Introductory Biology II (Genetics, Cellular and Developmental)	
Chemical Engineering Science	8	P: Chemistry I P: Physics I P: Mathematics I C: Chemistry II or Chemistry II Long	May not be counted with either Civil Engineering Science or Mechanical and Aeronautical Engineering Science	
Chemistry II	8	P: Mathematics I or General Pure Mathematics		
Civil Engineering Science	8	P: Chemistry I P: Physics I P: Mathematics I	May not be counted with either Chemical Engineering Science or Mechanical and Aeronautical Engineering Science	
Computer Science II	8	P: Mathematics I or General Pure Mathematics or Economic Statistics		See prerequisites for Computer Science III
Education II	8	P: Psychology I or Philosophy I or Anthropology I		
Geography II	8		A candidate who has completed a Junior course in Mathematics and at least one of Physics I or Chemistry I and who has not taken Geography I may apply under Resolution 9(iv) for permission to enrol in Geography II	The Department of Geography is not normally prepared to support applications under Resolution 9(iv) to enrol in Geography II from persons other than those who in their first year of studies have completed four junior courses above the terminating pass grade and have not subsequently failed in any intermediate courses
Geology II	8	P: Chemistry I	A candidate who has completed Junior courses in Physics and Chemistry and who has not taken Geology I, may apply under Resolution 9(iv) for permission to enrol in Geology II	The Department of Geology and Geophysics is not normally prepared to support applications under Resolution 9(iv) to enrol in Geology II from persons other than those who have studied Geology at the Higher School Certificate level and who have successfully completed four Junior courses above the terminating pass grade. Students given such permission will be expected to attend a field camp in the long vacation prior to the commencement of the Intermediate year. They should, therefore, consult with the department as soon as results of their annual examinations are known

(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>B. Intermediate courses</b>				
<b>(1) Normal—continued</b>				
Mathematical Statistics II	8		Mathematics I is the qualifying course. A candidate who has passed the course General Pure Mathematics at credit standard may enrol in the course Mathematical Statistics II  A candidate who has passed General Pure Mathematics but who has not gained a credit must, if he wishes to enrol in Mathematical Statistics II, consult the head of the Department	See prerequisites for Mathematical Statistics III
Mechanical and Aeronautical Engineering Science	8	P: Chemistry I, Physics I and Mathematics I	May not be counted together with either Chemical Engineering Science or Civil Engineering Science	
Microbiology I	8	P: Biology I P: Chemistry I		
Physics II	8	P: Mathematics I		See prerequisites for Physics III
Physiology I	8	P: Chemistry I P: Biology I or Psychology I or Computer Science I or General Computing Studies	Physics I or Physics I (Life Sciences) is a qualifying course	See prerequisites for Physiology II Students who would like to major in Physiology but because of their other major subject have difficulty in complying with the prerequisites for Physiology II are invited to discuss the matter with the Head of the Department
		P: Mathematics I or General Pure Mathematics		
Psychology IIA	8	P: Mathematics I or General Pure Mathematics or Biology I		See prerequisites for Psychology III
Psychology IIB	8	P: Mathematics I or General Pure Mathematics or Biology I		Terminating course
Pure Mathematics II	8		Mathematics I is the qualifying course. A candidate who has passed the course General Pure Mathematics at credit standard may apply for permission to enrol in Pure Mathematics II	
Soil Science I	8	P: Chemistry I P: Physics I or Physics I (Life Sciences), or Mathematics I or General Pure Mathematics or Computer Science I		

(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>B. Intermediate courses</b>				
<b>(2) Introductory<sup>1</sup></b>				
Introductory Anatomy	4	P: Biology I and two of Chemistry I, Physics I or Physics I (Life Sciences), Mathematics I or General Pure Mathematics		Class A. This is the qualifying course for Anatomy I.
Introductory Biology II (Genetics, Cellular and Developmental)	4	P: Chemistry I	Biology I is the qualifying course. May not be counted with Biology II (Genetics, Cellular and Developmental)	Class A. An introductory course in Genetics
Introductory Entomology	4	P: Chemistry I C: Biology IIE	Biology I is the qualifying course	Class A. This course will count as 4 of the maximum of 16 units of Intermediate Biology available to a candidate for the degree. Except with the permission of the Head of the School of Biological Sciences, students wishing to take Entomology options in Biology IIE will be required to take this course
Introductory Geophysics	4	C: Pure Mathematics II or Combined Mathematics II or Applied Mathematics II		Class A. This is the qualifying course for Exploration Geophysics and Geophysics
Introductory Histology	4	P: Chemistry I and Biology I		Class A. This is the qualifying course for Histology I
Introductory Marine Sciences	4			Class A. This is the qualifying course for Marine Sciences
Introductory Pharmacology	4	P: Biology I and Chemistry I		Class A. This is the qualifying course for Pharmacology I

<sup>1</sup> The Faculty has classified intermediate introductory and auxiliary courses according to their method of timetabling for lectures and practical sessions, viz:

*Classification A*:—lectures and practical sessions timetabled substantially for 4 hours per week throughout the year.

*Classification B*:—lectures and practical sessions timetabled substantially for 8 hours per week for half the year.

Sub-classification (1):—in Lent and the first half of Trinity term.

Sub-classification (2):—in the second half of Trinity term and Michaelmas term.

Each course's classification is shown in Column (e).

The Faculty has resolved, pursuant to Resolution I3 (1), that candidates taking in any one academic year two intermediate introductory or auxiliary courses may not, except with the permission of the Faculty, take both courses from Classification B(1) or both from B(2). They may, however, take two from Classification A, or one from Classification A and one from B, or one from Classification B(1) and one from B(2).

(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>(3) Auxiliary<sup>1</sup></b>				
Biochemistry I Auxiliary	4	P: Chemistry I	May not be counted with Agricultural Chemistry I	Class A: Terminating course
Biology II (Plants) Auxiliary (1)	4	P: Physics I or Physics I (Life Sciences) or Mathematics I or General Pure Mathematics	May not be counted with Biology II (Plants)	Class B(1): Terminating course.
Biology II (Plants) Auxiliary (2)	4		May not be counted with Biology II (Plants)	Class B(2): Terminating course.
Chemical Engineering Science Auxiliary	4	P: Chemistry I  P: Physics I or Physics I (Life Sciences) P: Mathematics I		Class A
Chemistry II Auxiliary	4	P: Mathematics I or General Pure Mathematics		Class A: Terminating course
Contracts	4	P: Legal Institutions		Class A
Mathematical Methods II	4	P: Mathematics I		Class A: Terminating course
Microbiology I (Auxiliary)	4	P: Biology I  P: Chemistry I		Class A: Terminating course
Perspectives on Science and Technology	4			Class A: One course only
Physiology I (Auxiliary)	4			Class A: Terminating course
Soil Science I Auxiliary	4	P: Chemistry I  P: Physics I or Physics I (Life Sciences) or Mathematics I or General Pure Mathematics or Computer Science I  C: Any intermediate course in Chemistry or Biochemistry or Agricultural Chemistry I		Class A: Terminating course
Statistical Methods	4		May not be counted with Mathematical Statistics II	Class A: Terminating course
Torts	4	P: Legal Institutions		Class A

<sup>1</sup> The Faculty has classified intermediate introductory and auxiliary courses according to their method of timetabling for lectures and practical sessions, viz:

*Classification A*:—lectures and practical sessions timetabled substantially for 4 hours per week throughout the year.

*Classification B*:—lectures and practical sessions timetabled substantially for 8 hours per week for half the year.

Sub-classification (1):—in Lent and the first half of Trinity term.

Sub-classification (2):—in the second half of Trinity term and Michaelmas term.

Each course's classification is shown in Column (e).

The Faculty has resolved, pursuant to Resolution 13 (1), that candidates taking in any one academic year two intermediate introductory or auxiliary courses may not, except with the permission of the Faculty, take both courses from Classification B(1) or both from B(2). They may, however, take two from Classification A, or one from Classification A and one from B, or one from Classification B(1) and one from B(2).



(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>(4) Long</b>				
Chemistry II Long	10	P: Mathematics I or General Pure Mathematics		
Geology II Long	10	P: Chemistry I	A candidate who has completed junior courses in Physics and Chemistry and who has not taken Geology I, may apply under Resolution 9(iv) for permission to enrol in Geology II Long.	The Department of Geology and Geophysics is not normally prepared to support applications under Resolution 9(iv) to enrol in Geology II Long from persons other than those who have studied Geology at the Higher School Certificate level, and who have successfully completed four junior courses above the terminating pass grade. Students given such permission will be expected to attend a field camp in the long vacation prior to the commencement of the intermediate year. They should, therefore, consult with the department as soon as results of their annual examinations are known.
<b>(5) Combined</b>				
Combined Mathematics II	12	Mathematics I is the qualifying course		This course comprises Mathematical Methods II and other options selected from those available for Pure Mathematics II and Applied Mathematics II
<b>(6) Concurrent degree</b>				
Public Law	6	P: Legal Institutions		
<b>C. Senior courses</b>				
Agricultural Chemistry II	12		May not be counted with Biochemistry II. Agricultural Chemistry I is the qualifying course. A candidate who has completed the courses Chemistry II and Biochemistry I or Biochemistry I Auxiliary, or Chemistry II Auxiliary (Organic and Physical) and Biochemistry I and who has not taken the course Agricultural Chemistry I may apply for permission of the Faculty to enrol in the course Agricultural Chemistry II	A student may not enrol in Agricultural Chemistry II without having completed Agricultural Chemistry I, if a terminating pass has been awarded in any of the 4 courses specified in column (d)
Anatomy I	12	P: Two of Biochemistry I (or Biochemistry I Auxiliary) Physiology I (or Physiology I Auxiliary) and Introductory Histology	Introductory Anatomy is the qualifying course	
Applied Mathematics III	12			Students who complete the course Combined Mathematics II may enrol under Resolution 9(iv) in Applied Mathematics III

(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>C. Senior courses—continued</b>				
Biochemistry II	12			
Biology III (Animals)	12		Biology II (Animals) is the qualifying course	
Biology III (Plants)	12		Biology II (Plants) is the qualifying course. Candidates should note that certain options require the completion of one of Chemistry II, Agricultural Chemistry I, Biochemistry I or Biochemistry (Auxiliary) and either Mathematics I or General Pure Mathematics	
Biology III (Biophysics and Plant Physiology)	12	P: Biology I and Chemistry II or Agricultural Chemistry I or Biochemistry I or Biochemistry (Auxiliary) and Mathematics I or General Pure Mathematics	With the permission of the Head of School, a candidate who has not completed a second year Biology course may enrol in this course, provided that a credit or better standard in Biology I and one of the 8-unit prerequisites has been attained	
Biology III (Combined)	12		Biology II (Genetics, Cellular and Developmental) is the qualifying course. Biology III (Combined) may only be taken with another Biology III course with the approval of the Head of the School	This course is composed of certain options from the Biology III (Animals), III (Genetics) and III (Plants) courses
Biology III (Genetics)	12		Biology II (Genetics, Cellular and Developmental) or Introductory Biology II (Genetics, Cellular and Developmental) is the qualifying course. A candidate who has completed the course Biology I and at least one of the courses Pure Mathematics II, Mathematical Statistics II or Biochemistry I and who has not taken Introductory Biology II (Genetics, Cellular and Developmental) may apply for permission to enrol in the course Biology III (Genetics)	
Cell Pathology I	12	P: Biochemistry I, Physiology I Auxiliary and Introductory Histology C: Biochemistry II		

(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>C. Senior courses—continued</b>				
Chemistry III	12			
Computer Science III	12	P: Pure Mathematics II or Applied Mathematics II or Mathematical Statistics II		Candidates who wish to proceed to Computer Science Honours should desirably have completed a senior Mathematics course Electrical Engineering Mathematics II is an adequate prerequisite for Engineering students wishing to enrol in Computer Science III
Geography III (Environmental)	12			
Geography III (Human)	12			
Geography III (Physical)	12			
Geology III	12			
Geophysics	12	C: Geology III or Pure Mathematics III or Applied Mathematics III or Physics III	Introductory Geophysics is the qualifying course	
Histology I	12	P: Biochemistry I or Biochemistry I Auxiliary or Agricultural Chemistry I	Introductory Histology is the qualifying course	
Marine Sciences	12		All selections of options must be approved by the head of the Department of Geology and Geophysics. Introductory Marine Sciences is the qualifying course	Students should consult the prerequisites for each of the component course options listed in the Faculty Handbook entry for Marine Sciences
Mathematical Statistics III	12	P: Pure Mathematics II		
Microbiology II	12	P: Biochemistry I or Biochemistry I Auxiliary or Agricultural Chemistry I		
Pharmacology I	12	P: Two of Chemistry II or Chemistry II Auxiliary, Physiology I or Physiology I Auxiliary, Biochemistry I or Biochemistry I Auxiliary	Introductory Pharmacology is the qualifying course	
Physiology II	12	P: Biochemistry I or Biochemistry I Auxiliary or Agricultural Chemistry I and Introductory Histology or Introductory Anatomy		
Physics III	12	P: Pure Mathematics II or Combined Mathematics II or Applied Mathematics II		

(a) Courses	(b) Unit values	(c) Prerequisites (P) and Corequisites (C)	(d) Faculty of Science resolutions governing courses	(e) Additional information about courses
<b>C. Senior courses—continued</b>				
Psychology III	12	P: Pure Mathematics II or Applied Mathematics II or Mathematical Statistics II or Biology II (Animals) or Biology II (Genetics, Cellular and Developmental) or Physiology I or Biochemistry I		Students who complete the course Combined Mathematics II may enrol under Resolution 9(iv) in Pure Mathematics III
Pure Mathematics III	12			
Soil Science II	12	P: Chemistry II or Agricultural Chemistry I or Biochemistry I		

**D. Senior Advanced courses**

(May only be taken with approval of the head of department)

Applied Mathematics III Advanced	12	C: Applied Mathematics III
Biology III Advanced	12	C: Biology III (Animals) or Biology III (Plants)
Chemistry III Advanced	12	C: Chemistry III
Geology III Advanced	12	C: Geology III
Pharmacology I Advanced	12	C: Pharmacology I
Physiology II Advanced	12	C: Physiology II
Pure Mathematics III Advanced	12	C: Pure Mathematics III

**BACHELOR OF PHARMACY**

In accordance with Chapter XIII, section 15 of the By-laws, the following Resolutions governing candidature for the degree of Bachelor of Pharmacy have been prescribed by the Senate:

- (1) A course shall consist of lectures together with such tutorial instruction, essays, exercises or practical work as may be prescribed. In these Resolutions, 'to complete a course' and derivative expressions mean—
  - to attend the lectures and the meetings, if any, for tutorial instruction;
  - to complete satisfactorily the essays, exercises and the practical work, if any; and
  - to pass the examinations of the course.
- (2) Each course shall be designated as a 'Junior' course, an 'Intermediate' course or a 'Senior' course. Each Junior, Intermediate and Senior course shall be designated 'short', 'normal', or 'long'.
- (3) Candidates who have completed a course shall have units credited towards the completion of a degree in accordance with the following:<sup>1</sup>

**Junior courses**

Short .....	4 units
Normal .....	6 units
Long .....	8 units

**Intermediate courses**

Short .....	4 units
Normal .....	8 units

**Senior courses**

Pharmaceutical Chemistry .....	4 units
Pharmaceutics .....	5 units
Pharmacy Practice .....	5 units
Pharmacology II for Pharmacy .....	6 units
Two elective courses each of .....	4 units

- (1) An examination called an 'Annual Examination' shall be held at the end of each course.

<sup>1</sup> The unit values for Intermediate and Senior Courses for this degree are not comparable with the unit values for Intermediate and Senior Courses for the degree of Bachelor of Science. Whilst credit may be given towards the degree of Bachelor of Pharmacy in respect of appropriate Junior, Intermediate and Senior courses completed by candidates for the degree of Bachelor of Science, credit may be given towards the degree of Bachelor of Science only in respect of Junior courses completed by candidates for the degree of Bachelor of Pharmacy.

- (2) Candidates may be tested by written and oral class examinations, exercises, essays or practical work or any combination of these, and the results of such tests may be taken into account in determining the results of the annual examinations.
  - (3) In all courses work of a standard higher than that required for an ordinary pass may be recognised by the award of High Distinction, Distinction or Credit.
  3. Candidates who have been prevented by duly certified illness or misadventure from sitting for the whole or part of the Annual Examinations may be examined at such times and in such way as the Faculty shall determine.
  4. Candidates who have completed a course shall be held to have so far qualified for the degree.
  5. Candidates who do not pass the Annual Examination in a course shall, unless exempted by the Dean, again attend lectures and other classes and complete the prescribed written and other work in all such courses in which they are permitted to re-enrol.
  6. Candidates who present themselves for re-examination in any course shall not be eligible for any prize or scholarship awarded in connection with such examination.
  7. (1) Graduates in the Faculty of Science or in other Faculties who desire to proceed to the degree of Bachelor of Pharmacy may be given credit of not more than 32 units for courses set out in Resolution 10 provided they have completed for their previous degree those courses or a course or courses considered by the Faculty to be equivalent and shall complete sufficient courses not already taken to gain the requisite units. The approval of the Faculty must be obtained for the courses proposed.  
(2) Students who have completed a course or courses as candidates for another degree may apply for permission to transfer to candidature for the degree of Bachelor of Pharmacy in the Faculty of Science. Students who are granted such permission may be given credit for any number of courses provided they have completed these courses or a course or courses considered by the Faculty to be equivalent and provided that they have abandoned credit for such courses as candidates for the other degree. Such students shall be required to complete the requisite number of courses not already taken in accordance with the requirements of these Resolutions.
  8. (1) In the first year of attendance candidates unless granted credit in accordance with Resolution 7 shall enrol in the courses Chemistry I for Pharmacy, Biology I for Pharmacy, Introductory Pharmaceutical Science and Mathematics I for Pharmacy; and in subsequent years of attendance candidates shall enrol in the maximum number of prescribed courses for which they are qualified, subject to the exigencies of the timetable and provided that they may not take courses with a total number of units in excess of 28 except with the permission of the Faculty.  
(2) To complete the requirements for the Pass degree a candidate shall gain 80 units by completing the courses set out in the Tables in Resolution 10.  
(3) No course may be counted more than once as a qualifying course for the degree.
  9. Except with the permission of the Faculty:  
(1) candidates may not take an Intermediate Course—
    - (a) until they have gained credit for at least 16 units in Junior Courses; and
    - (b) until they have completed the Junior Courses, if any, prescribed by the Faculty as prerequisites for the Intermediate Course, as set out in Resolution 10;
  - (2) candidates may not take a Senior Course—
    - (a) until they have gained credit for at least 16 units derived from Intermediate Courses; and
    - (b) until they have completed all the Junior and Intermediate Courses, if any, prescribed as prerequisites for the Senior Course, as set out in Resolution 10;
  - (3) candidates may not take Course II or any other higher course in any subject set out in the tables associated with Resolution 10 without having previously completed the lower course or courses in the same subject.
  10. Courses for the degree shall:
    - (a) be in such subjects,
    - (b) have such unit values, and
    - (c) have such prerequisite and corequisite courses as are set out in the following tables except that the Faculty may permit a candidate of merit in special circumstances to enrol in a course or courses other than those specified in these tables and to have such units credited towards his degree upon completing such a course or courses as the Faculty may determine.
- For the purposes of these Resolutions:
- (i) prerequisite course means a course other than a lower qualifying course in a subject which, except with the permission of the Head of the Department concerned, must have been completed prior to a candidate taking a course for which the Faculty has declared it to be a prerequisite;
  - (ii) corequisite course means a course which unless previously completed must, except with the permission of the Head of the Department concerned, be taken concurrently with the course for which the Faculty has declared it to be a corequisite.
11. (1) Candidates for the Honours degree shall complete an Honours course.  
(2) There shall be an Honours course in the following subjects:  
Pharmaceutics  
Pharmaceutical Chemistry  
Pharmacology
  12. In order to qualify for admission to an Honours course candidates shall have qualified for the award of a Pass degree and be considered by the Faculty and the Head of the department concerned to have the requisite knowledge and aptitude for an Honours course.
  13. (1) There shall be no re-examination for Honours.  
(2) A candidate with an outstanding performance in the subject of an Honours course shall, if deemed of sufficient merit by the Faculty, receive a bronze medal.
  14. (1) Candidates may not take more than one Honours course in any one academic year.  
(2) Candidates who have qualified for the Honours degree may before the degree is conferred, take, in the next succeeding year or at such later time as the Faculty permits, an additional Honours course which they are qualified to enter.

[Continued following table]

TABLE A [See Resolution 10]

Course	Unit value	Assumed standard of knowledge at the matriculation examination or HSC examination
<b>A. Junior courses</b>		
Biology I for Pharmacy	6	The Biology section of the Science 3 unit course. <sup>1</sup>
Chemistry I for Pharmacy	8	Mathematics 2 unit course and the Chemistry section of the Science 4 unit or 3 unit course or 2 unit Chemistry.
Introductory Pharmaceutical Science	6	The Physics section of the Science 4 unit or 3 unit course or 2 unit Physics.
Mathematics I for Pharmacy	4	Mathematics 2 unit course.

TABLE B

Course	Unit value	Prerequisites (P) and Corequisites (C)
<b>B. Intermediate courses</b>		
<b>(i) Normal</b>		
Pharmaceutical Chemistry I	8	P: Chemistry I for Pharmacy P: Introductory Pharmaceutical Science C: Mathematics I for Pharmacy C: Biochemistry I for Pharmacy
Pharmaceutics I	8	P: Chemistry I for Pharmacy P: Mathematics I for Pharmacy P: Introductory Pharmaceutical Science C: Biology I for Pharmacy C: Pharmaceutical Chemistry
<b>(ii) Short</b>		
Biochemistry I for Pharmacy	4	P: Chemistry I for Pharmacy
Pharmacology I for Pharmacy	4	P: Chemistry I for Pharmacy C: Biochemistry I for Pharmacy C: Pharmaceutical Chemistry I
Physiology I for Pharmacy	4	P: Biology for Pharmacy
<b>C. Senior courses</b>		
<b>(i) Senior Courses (Core)</b>		
Pharmaceutical Chemistry II	4	C: Pharmacology I for Pharmacy
Pharmaceutics II	5	C: Pharmacology I for Pharmacy
Pharmacy Practice	5	P: Pharmaceutical Chemistry I P: Pharmaceutics I C: Pharmacology II for Pharmacy
Pharmacology II for Pharmacy	6	
<b>(ii) Senior Courses (Electives): Two to be taken with the Senior Courses (Core)</b>		
Toxicology	4	C: Pharmaceutical Chemistry II
Analytical Methods	4	C: Pharmaceutical Chemistry II
Industrial Pharmacy	4	C: Pharmaceutics II C: Pharmaceutical Chemistry II
Biopharmaceutics	4	C: Pharmaceutics II
Community and Hospital Pharmacy	4	C: Pharmaceutics II C: Pharmacy Practice

<sup>1</sup> It should be noted that students who have undertaken the equivalent of a 4 unit Science course embracing only Chemistry and Physics have performed well in the First Year (Junior) Biology courses in the past.

15. (1) A person who has enrolled as a candidate for the degree of Bachelor of Pharmacy before 1st January, 1977 may complete the requirements for the degree in accordance with the resolutions in force at the time he commenced that degree provided that he completes the requirements for the degree by 31st December, 1981 or such later date as the Faculty may approve in special cases; and that if a course specified in those resolutions is discontinued the Faculty may permit him to substitute a course or courses deemed by the Faculty to be equivalent to the discontinued course.
- (2) Where a candidate proceeding pursuant to subsection (1) fails to complete the requirements for the degree before 31st December, 1981 he shall complete the requirements for the degree under such conditions as may be determined from time to time by the Dean.

#### MASTER OF SCIENCE

In accordance with Chapter XIII, section 7 of the By-laws, the following Resolutions governing candidature for the degree of Master of Science have been prescribed by the Senate:

1. Subject to the approval of the Head of the Department, a candidate for the degree shall elect to proceed—
  - (a) either as a full-time or as a part-time candidate
  - (b) either by research and thesis in accordance with Resolution 6 or by coursework and essay in accordance with Resolution 7 and
  - (c) except in the case of a candidate proceeding in accordance with Chapter XXVIA, either within the University of Sydney or elsewhere.
2. (1) A candidate to be full-time shall not keep the normal terms but shall devote himself to his candidature continuously throughout the year except for a period of recreation leave and shall not have any substantial employment during the day.<sup>1</sup>
- (2) A candidate who does not comply with subsection (1) shall be regarded as a part-time candidate.
3. (1) A candidate shall not present himself for examination for the degree earlier than the third term after commencement of candidature.
- (2) Except with the permission of the Faculty, a full-time candidate proceeding by research and thesis or any candidate proceeding by course work and essay shall complete the requirements for the degree not later than six terms after the commencement of candidature.
- (3) Except with the permission of the Faculty, a part-time candidate proceeding by research and thesis shall complete the requirements for the degree not later than twelve terms after the commencement of candidature.
4. Time spent by a candidate in advanced study in the University of Sydney before admission to candidature may be deemed by the Faculty to be time spent after such admission.
5. (1) The Dean of the Faculty, on the recommendation of the Head of the Department concerned, shall appoint a full-time member of the academic staff of the University to act as supervisor of each candidate.
- (2) The Dean of the Faculty, on the recommendation of the Head of the Department concerned,

may appoint a full-time member of the academic staff of the University or other appropriately qualified person to act as associate supervisor.

(3) The Supervisor shall report annually to the Faculty, through the Head of his Department, on the progress towards completion of the requirements for the degree of each candidate under his supervision.

(4) The Faculty, on the recommendation of the Head of the Department concerned, may terminate the candidature of any candidate who has not shown evidence of sufficient progress, in the opinion of the Faculty.

6. (1) A candidate proceeding by research and thesis shall—
  - (a) carry out an original investigation on a topic approved by the Head of the Department concerned,
  - (b) write a thesis embodying the results of this investigation and state in the thesis generally in a preface and specifically in notes, the sources from which his information was taken, the extent to which he has availed himself of the work of others, and the proportion of the thesis which he claims as original.
  - (c) lodge with the Registrar three copies of his thesis, typewritten and bound,
  - (d) if required by the examiners, sit for an examination in the branch or branches of science to which the thesis relates.
- (2) The thesis shall be accompanied by a certificate from the supervisor stating whether in his opinion the form of presentation of the thesis is satisfactory.
- (3) The Dean of the Faculty on the recommendation of the Head of the Department concerned, shall appoint two, or where the Dean considers it appropriate, more than two examiners of whom one may be the person appointed to act as supervisor of the candidate.
- (4) The examiners shall report to the Faculty which shall determine the result of the examination.
- (5) A candidate may not present as his thesis any work which has been presented for a degree at this or another tertiary institution but he shall not be precluded from incorporating such work in his thesis, provided that in presenting the thesis he indicates the part of the work which has been so incorporated.
- (6) The Registrar shall lodge one copy of the thesis with the Librarian if the degree is awarded.
7. (1) A candidate proceeding by course work and essay shall—
  - (a) attend such course of study and pass such examinations in each course as the Faculty, on the recommendation of the Department concerned, shall by resolution prescribe,
  - (b) write a substantial essay on a topic approved by the Head of the Department concerned and state in the essay, generally in a preface and specifically in notes, the sources from which his information was taken and the extent to which he has availed himself of the work of others,
  - (c) lodge with the Registrar two typewritten copies of his essay.
- (2) The Dean of the Faculty, on the recommendation of the Head of the Department concerned, shall appoint two examiners to examine the essay. One may be the person appointed to act as supervisor of the candidate.

<sup>1</sup> The Faculty has resolved that, for the time being, recreation leave shall be four weeks per year and that substantial shall mean more than six hours per week or 180 hours per annum, whichever shall be less.

(3) The examiners shall report to the Faculty which shall determine the result of the examination.

(4) The candidate may not present as his essay any work which has been presented for a degree at this or another tertiary institution but he will not be precluded from incorporating such in his essay, provided that in presenting the essay he indicates the part of work which has been so incorporated.

#### DIPLOMA IN COMPUTER SCIENCE

1. (1) Except as provided in subsection (2), the Faculty may, on the recommendation of the Head of the Basser Department of Computer Science admit to candidature for the Diploma in Computer Science an applicant who—

(a) is a graduate of the University of Sydney;

(b) has—

(i) completed the courses Computer Science I (Old Regulations) or Computer Science II (New Regulations) and Pure Mathematics II in the University of Sydney;

(ii) by completion of a course or courses in another university or other appropriate institution, acquired a standard of knowledge considered by the Faculty to be equivalent to that gained by completing the courses specified in subparagraph (i); or

(iii) has in some other manner acquired a standard of knowledge considered by the Faculty to be equivalent to that gained by completing the courses specified in subparagraph (i); and

(c) has not completed the course Computer Science II (Old Regulations) or Computer Science III (New Regulations) in the University of Sydney.

(2) The Academic Board, on the recommendation of the Faculty, may admit to candidature for the Diploma a graduate of another university or a candidate with qualifications from an appropriate institution, whose qualifications are, in either case, equivalent in the opinion of the Academic Board to those specified in subsection (1) (b) (i), and on such conditions as the Faculty may prescribe.

2. (1) A candidate shall engage in coursework for the Diploma as a full-time student for a period of one year or, with the approval of the Head of the Basser Department of Computer Science as a part-time student for a period of not less than two years and not more than three years.

(2) The coursework for the Diploma shall be as prescribed from time to time by Resolution of the Faculty.

(3) Annual Examinations for the Diploma shall be held in the manner and at the times prescribed by the Faculty.

(4) The award of the Diploma shall be subject to completion of the coursework and the examinations to the satisfaction of the examiners appointed by the Faculty on the recommendation of the Head of the Basser Department of Computer Science.

#### DIPLOMA IN NUTRITION AND DIETETICS

1. (1) The award of the Diploma in Nutrition and Dietetics shall be governed by a Board of Studies

in Nutrition and Dietetics responsible to the Faculty of Science and consisting of the following persons:—

(a) The Dean of the Faculty of Science

(b) The Dean of the Faculty of Medicine or a nominee of the Dean

(c) The Dean of the Faculty of Agriculture or a nominee of the Dean

(d) The Dean of the Faculty of Veterinary Science or a nominee of the Dean

(e) The Dean of the Faculty of Dentistry or a nominee of the Dean

(f) The Pro-Dean of the Faculty of Science

(g) The Boden Professor of Human Nutrition

(h) The Course Supervisor for the Diploma

(i) The Head of the Department of Medicine or his nominee

(j) The Head of the Department of Animal Husbandry or his nominee

(k) The Head of the Department of Biochemistry or his nominee

(l) The Head of the Department of Paediatrics or his nominee

(m) The Head of the Department of Physiology or his nominee

(n) The Director of the Commonwealth Institute of Health or his nominee

(o) A member of the staff of the Teaching Hospitals of the University nominated by the Dean of the Faculty of Medicine

(p) The Chairman of the N.S.W. Health Commission or his nominee

(q) The President of the N.S.W. Institute of Dietitians or his nominee

(r) The Chief Dietitian of one of the Teaching Hospitals of the University nominated by the Faculty of Science

(s) not more than four additional members appointed by the Faculty of Science on the recommendation of the aforesaid members

(t) One student enrolled as a candidate for the Diploma in Nutrition and Dietetics appointed for one year by the Faculty of Science on the nomination of the Chairman of the Board of Studies after consultation with the candidates for the Diploma.

(2) The persons referred to in sections (i) to (s) shall be appointed by the Faculty of Science for a period of two years and shall be eligible for reappointment.

2. The Dean of the Faculty of Science shall be Chairman of the Board of Studies.

3. The Board of Studies shall consider and report to the Faculty of Science upon all matters relating to the studies, lectures and examinations in the Diploma.

4. (1) The Faculty of Science, on the recommendation of the Board of Studies, may admit to candidature for the Diploma graduates of the University of Sydney who have, unless exempted by the Board of Studies, completed acceptable courses in Biochemistry and Physiology.

(2) The Academic Board, on the recommendation of the Board of Studies and of the Faculty, may admit to candidature for the Diploma graduates of other universities who have qualifications equivalent, in the opinion of the Academic Board, to those specified in subsection (1), and on such conditions as the Board of Studies may prescribe.

5. After admission a candidate shall complete, over a period of not more than five terms, except with the



permission of the Board of Studies, the following requirements—

- (a) lectures and tutorials in Functions of the Nutrients, Nutritional View of Foods, Nutritional Biochemistry, Food Science and Technology, Applied Nutrition, Therapeutic Dietetics, Medicine, Food Production and Economics, Management, Public Health Nutrition, Food Habits and Principles of Communication, Education and Sociology;
- (b) essays as prescribed;
- (c) at least four months of training in recognised teaching hospitals;
- (d) practical work in Experimental Nutrition, Food Preparation, Food Intake Measurement and other areas, and observations as prescribed by the Board of Studies;
- (e) examinations and such other tests as may be required.

6. The Diploma in Nutrition and Dietetics shall be awarded in two grades, namely, Pass, and in the case of an outstanding candidate, Pass with Merit.

#### **DIPLOMA IN HOSPITAL PHARMACY**

1. (1) Except as provided in subsection (2) of this section, the Faculty may, on the recommendation of the Head of the Department of Pharmacy, admit to candidature for the Diploma in Hospital Pharmacy an applicant who is a Bachelor of Pharmacy of the University of Sydney.  
(2) The Academic Board, on the recommendation of the Faculty, may admit to candidature for the Diploma a graduate of any other university or a candidate with qualifications from an appropriate institution whose qualifications are, in either case, equivalent in the opinion of the Faculty and the Academic Board to those specified in subsection (1), and on such conditions as the Faculty may prescribe.
2. (1) A candidate shall engage in coursework as a full-time student for a period of one year or, with the approval of the Head of the Department of Pharmacy, as a part-time student for a period of two years.  
(2) The coursework for the Diploma shall be as prescribed from time to time by resolution of the Faculty.  
(3) Annual examinations for the Diploma shall be held as the Faculty shall prescribe.  
(4) The award of the Diploma shall be subject to completion of the coursework and the examinations to the satisfaction of the examiners, appointed by the Faculty on the recommendation of the Head of the Department of Pharmacy.

#### **DIPLOMA IN RESOURCE GEOLOGY**

1. (1) Except as provided in subsection (2) the Faculty may, on the recommendation of the Head of the Department of Geology and Geophysics, admit to candidature for the Diploma in Resource Geology an applicant who is either a graduate of the University of Sydney and who has completed the course Geology III, or who is a Bachelor of Engineering in Mining Engineering of the University of Sydney.  
(2) The Academic Board may, on the recommendation of the Faculty admit to candidature for the Diploma a graduate of any other University or a candidate with qualifications from an appropriate institution whose qualifications are, in either case, equivalent in the opinion of the Faculty and

the Academic Board to those specified in subsection (1), and on such conditions as the Faculty may prescribe.

2. (1) A candidate shall engage on coursework as a full-time student for a period of one year or with the approval of the Head of the Department of Geology and Geophysics, as a part-time student for a period of two years.  
(2) The coursework for the Diploma shall be as prescribed from time to time by resolution of the Faculty.  
(3) Annual examinations for the Diploma shall be held as the Faculty shall prescribe.  
(4) The award of the Diploma shall be subject to completion of the coursework and the examinations to the satisfaction of the examiners, appointed by the Faculty on the recommendation of the Head of the Department of Geology and Geophysics.

### **RESOLUTIONS OF THE FACULTY**

#### **DIPLOMA IN HOSPITAL PHARMACY**

1. A course shall consist of lectures together with such tutorial instructions, essays, exercises or practical work as may be prescribed. In these resolutions, 'to complete a course' and derivative expressions mean—
  - (a) to attend the lectures and the meetings, if any, for tutorial instruction;
  - (b) to complete satisfactorily the essays, exercises and the practical work, if any; and
  - (c) to pass the examination on the course.
2. Coursework for the Diploma in Hospital Pharmacy shall be:  
Statistical Methods, Instrumental Analysis, Modes of Action of Antimicrobial Agents, Topics in Medicinal Chemistry, Adverse Reactions to Drugs, Pathophysiology and Principles of Therapeutics, the Biochemistry of Foreign Compounds, Hospital Structure and Administration and Clinical Pharmacy, Formulation and Dosage-Form Design, and an essay assignment.
3. Annual examinations for the Diploma in Hospital Pharmacy will comprise two 3-hour written papers. Paper 1 will cover topics 'Statistics and Instrumental Methods of Analysis'. Paper 2 will cover the remainder of the coursework.

These written examinations will be supplemented by oral examinations and assignments of practical exercises, seminars and essays. The results of these examinations will be reported by the Department of Pharmacy to the Registrar who will in turn report them to the Faculty.

#### **DIPLOMA IN RESOURCE GEOLOGY**

1. A course shall consist of lectures together with such tutorial instruction, essays, exercises or practical work as may be prescribed. In these resolutions, 'to complete a course' and derivative expressions mean—
  - (a) to attend the lectures and meetings, if any, for tutorial instruction;
  - (b) to complete satisfactorily the essays, exercises and the practical work, if any; and
  - (c) to pass the examination on the course.
2. (1) Coursework for the Diploma shall consist of completed courses to a total value of 20 units from the following:  
(2) Courses chosen may not include any from (a) above which have been completed previously as modules of undergraduate courses offered by the Department of Geology and Geophysics or any from (b) above which have been completed previously.

(a) *Course offered by the Department of Geology and Geophysics*

Course	Unit value
312 Geology of Fuels	2 units
323 Mineral Deposits	2 units
331 Geochemistry	2 units
332 Geotectonics	2 units
412 Geophysics of Sedimentary Basins	2 units
421 Mining Geophysics	2 units
423 Engineering Geology	2 units
431 Basin Studies	2 units
433 Ore Petrology	2 units
436 Regional Geophysics	2 units
437 Advanced Exploration Geophysics	2 units

(b) *Courses offered in the Faculty of Engineering*

May only be taken with the approval of the Head of the Department of the Faculty of Engineering offering the course.	
3.023 Engineering Mathematics	3 units
3.241 Soil Mechanics	3 units
3.251 Surveying I	3 units
3.301 Mining Engineering	3 units
3.630 Analytical Methods	2 units
3.460 Introductory Industrial Organisation and Management	1 unit
4.629 Mineral Processing	2 units

(3) With the approval of the Head of the Department of Geology and Geophysics, 6 units from courses offered in the Faculty of Science or in the Faculty of Engineering other than those listed above may be counted towards the Diploma.

(4) A candidate shall submit a report embodying the results of field and laboratory investigations, prescribed by the Head of the Department of Geology and Geophysics.

**DOCTOR OF SCIENCE**

Pursuant to Section 12 of Chapter XIII, and Sections 2 and 5 of Chapter XIXb of the By-laws:

- (i) Published work which a candidate for the degree of Doctor of Science submits for examination must, in addition to satisfying the requirements of Chapter XIXb of the By-laws, be in a field with which the Faculty is concerned.
- (ii) A candidate for the degree is required, by way of an introduction, to describe the theme of the published work submitted and, where there is a large number of publications whose dates range over a period of time and which contain some range of subject matter, to state how these are related to one another and to his theme.
- (iii) If a prospective candidate, as a first step tenders the introduction called for in (ii) above, together with a list of the published work which he proposes to submit for examination, the Faculty will endeavour to make an assessment as to whether the published work is in a field with which the Faculty is concerned and, if so, an assessment also of the *prima facie* worthiness for examination of the published work.
- (iv) A prospective candidate who tenders the introduction together with the list of published

work shall not be debarred from subsequently submitting his published work for examination.

**BOARDS OF EXAMINERS, BOARD OF POSTGRADUATE STUDIES AND STANDING COMMITTEE**

Pursuant to sections 12 and 13 of Chapter VIII of the By-laws the Faculty of Science has resolved to appoint the following Boards of Examiners, Board of Postgraduate Studies and Standing Committee.

**Board of Examiners**

(1) There shall be three Boards of Examiners responsible for the conduct of examinations for the degree of Bachelor in the Faculty of Science:

- (i) the Board of Examiners responsible for the pass degree of Bachelor of Science;
- (ii) the Board of Examiners responsible for the pass degree of Bachelor of Pharmacy;
- (iii) the Board of Examiners responsible for the honours degrees of Bachelor of Science and Bachelor of Pharmacy.

The Chairman of each of the above Boards of Examiners shall be the Dean, or in his absence, the Pro-Dean.

(2) The Board of Examiners responsible for the conduct of examinations for the pass degree of Bachelor of Science shall comprise the examiners appointed by the Faculty, and shall be appointed annually. The examiners shall comprise the permanent and temporary full-time members of the teaching staff of departments and schools offering courses to candidates for that degree and such other examiners as may be nominated by the Head of the Department or School and approved by the Dean.

(3) The Board of Examiners responsible for the conduct of examinations for the pass degree of Bachelor of Pharmacy shall comprise the examiners appointed by the Faculty, and shall be appointed annually. The examiners shall comprise the permanent and temporary full-time members of the teaching staff of departments and schools offering courses to candidates for that degree and such other examiners as may be nominated by the Head of the Department or School and approved by the Dean.

(4) The Board of Examiners responsible for the conduct of examinations for the honours degrees of Bachelor of Science and Bachelor of Pharmacy shall comprise the examiners appointed by the Faculty, and shall be appointed annually. The examiners shall comprise one of the permanent or temporary full-time members of the teaching staff of departments and schools offering the honours courses listed in Resolution 16(2) of the Senate governing candidature for the degree of Bachelor of Science and in Resolution 11(2) of the Senate governing candidature for the degree of Bachelor of Pharmacy, with the exception of the School of Biological Sciences, from which there shall be three examiners and the School of Physics, from which there shall be two examiners.

**Board of Postgraduate Studies**

(5) There shall be one board of postgraduate studies of the Faculty of Science which shall be responsible for all matters related to candidature for postgraduate degrees or diplomas in Science and Pharmacy. Its membership shall comprise the members of the Standing Committee of the

Faculty and election to membership of the Standing Committee shall constitute appointment to the board of postgraduate studies.

### **The Standing Committee**

The Faculty has resolved that the Standing Committee consist of the Dean, Pro-Dean (if any) and Sub-Dean(s), together with one representative from each of the main teaching areas in the Faculty, viz.

Biochemistry  
Biological Sciences  
Chemistry  
Computer Science  
Geography  
Geology and Geophysics  
Mathematics  
Pharmacy  
Physics  
Physiology  
Psychology  
Departments in Agriculture offering courses in Science

### **COMBINED SCIENCE/ENGINEERING DEGREE COURSE**

1. Pursuant to Resolution 20 of the Resolutions of the Senate governing the degree of Bachelor of Science, students who have completed studies in the Faculty of Engineering may be admitted to candidature for the degree.

2. Except with the permission of the Dean of the Faculty of Science such students shall have completed studies in the Faculty of Engineering at full Pass level or better, in at least two Intermediate Long or Intermediate Normal Science courses.

3. To be eligible for admission, such students—  
(1) must have completed the Intermediate courses in the Faculty of Engineering at their first examination; and  
(2) must have gained credit in the Faculty of Engineering for not less than 48 units, if of two years' standing in that Faculty, or not less than 54 units if of three years' standing in the Faculty; and  
(3) except with the permission of the Dean, may not count as Intermediate courses for this purpose, courses undertaken in the Faculty of Engineering, or component parts thereof, which are equivalent to the following courses in the Faculty of Science:

Chemical Engineering Science  
Chemical Engineering Science Auxiliary  
Civil Engineering Science  
Mechanical and Aeronautical Engineering Science

4. To qualify for the award of the Pass degree, candidates after admission under Resolution 20 of the Resolutions of the Senate governing the degree of Bachelor of Science—

(1) shall complete in one year of full-time study or two consecutive years of part-time study, courses totalling at least 24 units, of which at least 12 units shall be units for a Senior course; and  
(2) except with the permission of the Dean, shall not count towards the degree the courses

Chemical Engineering Science  
Chemical Engineering Science Auxiliary  
Civil Engineering Science  
Mechanical and Aeronautical Engineering Science

unless they have completed 16 units of Intermediate courses (other than the courses listed above) and one other appropriate approved course, set

out in the table associated with Resolution 15 of the Resolutions of the Senate governing the degree of Bachelor of Science.

5. To qualify for admission to an Honours course, such candidates shall comply with subsections (2), (3) and (4) of Resolution 17 of the Resolutions of the Senate governing the degree of Bachelor of Science.

XIII: SCIENCE:  
FACULTY RESOLUTIONS

# Faculty of Engineering

## BY-LAWS CHAPTER XIV

1. (1) The Faculty of Engineering shall comprise the following persons:
  - (a) The Professors, Readers, Associate Professors, Senior Lecturers, Lecturers, Senior Tutors, Senior Demonstrators and Senior Tutor-Demonstrators in the Faculty of Engineering Departments, being full-time permanent or full-time temporary members of the teaching staff.
  - (b) The Heads of the Schools of Physics, Chemistry and Undergraduate Studies in Architecture.
  - (c) The Heads of the Departments of Pure Mathematics, Applied Mathematics, Mathematical Statistics, Geology and Town and Country Planning.
  - (d) One full-time member of the academic staff of each of the Schools and Departments mentioned in the foregoing subparagraphs (b) and (c) nominated by the respective Head from time to time.
  - (e) Such Fellows of the Senate as are graduates in Engineering.
  - (f) Not more than three persons distinguished in the field of Engineering appointed by the Senate on the nomination of the Dean with the approval of the Faculty.
  - (g) Not more than five students, undergraduate or postgraduate, enrolled as candidates for a degree or diploma in the Faculty of Engineering elected in the manner prescribed by resolution of the Senate.<sup>1</sup>
  - (h) Such other persons, if any, being full-time members of the senior administrative or senior research staff in the Faculty as may be appointed from time to time by the Senate on the nomination of the Faculty.
- (2) The persons appointed under the foregoing subparagraph (1) (f) shall be appointed for a period of three years and shall be eligible for reappointment for one further period of three years.
- (3) The persons, if any, appointed under the foregoing subparagraph (1) (h) shall be members of the Faculty for so long as they remain full-time members of the senior administrative or senior research staff in the Faculty.

2. (1) The Degrees in the Faculty of Engineering shall be as follows:
  - (a) Bachelor of Engineering (B.E.),
  - (b) Master of Engineering Science (M.Eng.Sc.),
  - (c) Master of Engineering (M.E.),
  - (d) Doctor of Philosophy (Ph.D.),
  - (e) Doctor of Engineering (D.Eng.).
- (2) The Diplomas in the Faculty of Engineering are—
  - (a) Diploma in Surveying Science (Dip.Surv.Sc.),
  - (b) Diploma in Telecommunications (Dip.Telecomm.),
  - (c) Diploma in Power Engineering (Dip.Pow.Eng.),
  - (d) Diploma in Computers and Control (Dip.Comp.&Con.),
  - (e) Diploma in Environmental Engineering (Dip.Environ.Eng.),
  - (f) Diploma in Petroleum and Reservoir Engineering (Dip.Pet.Res.Eng.),
  - (g) Diploma in Process Systems Engineering (Dip.Process Systems Eng.),
  - (h) Diploma in Structural Engineering (Dip.Struct.Eng.),
  - (i) Diploma in Geotechnical Engineering (Dip.Geot.Eng.),
  - (j) Diploma in Structural and Foundation Engineering (Dip.Struct.Found.Eng.).

## BACHELOR OF ENGINEERING

3. Candidates subsequent to matriculation shall complete such requirements for the degree of Bachelor of Engineering as may be prescribed by resolution from time to time by the Senate on the recommendation of the Academic Board and the Faculty of Engineering.<sup>1</sup>
4. (1) The degree of Bachelor of Engineering shall be awarded in: (a) Civil Engineering, (b) Mining Engineering, (c) Mechanical Engineering, (d) Electrical Engineering, (e) Chemical Engineering, (f) Aeronautical Engineering.
- (2) The certificates for the degree of Bachelor of Engineering shall specify the department or departments of Engineering for which they are granted.
- (3) Graduates in Engineering in any department may be admitted to the degree examination in any other department or departments on conditions to be prescribed by the Faculty. Upon passing the examination such candidates shall receive a certificate for such additional department or departments.
5. (1) The degree of Bachelor of Engineering shall be awarded in two grades, namely, the Pass degree and the Honours degree. There shall be three classes of Honours, namely, Class I, Class II and Class III. Second-class Honours may be awarded in two divisions.
- (2) In any year the candidate who shall have most distinguished himself for the degree of Bachelor of Engineering in each department shall receive a bronze medal, provided that he shall have obtained first-class Honours and have shown outstanding merit.<sup>2</sup>
6. The provisions of section 3 and the resolutions arising therefrom shall come into force on the first day of January, 1969, provided that candidates for the degree of Bachelor of Engineering or for the degree of Bachelor of Science in Chemical Engineering who

<sup>1</sup> See Senate Resolutions this chapter.

<sup>2</sup> The Senate has approved the repeal of this subsection.

commenced prior to this date may complete the requirements for the degree in accordance with the By-laws existing at the time they commenced, provided that they complete the requirements by 31st December, 1973, or such later date as the Faculty may approve in special cases; provided further that, if a course specified in those By-laws is discontinued, the Faculty may permit candidates to substitute a course or courses approved in accordance with the provisions of section 3 and deemed by the Faculty to be equivalent to the discontinued course. Candidates who do not complete such requirements by 31st December, 1973, will complete the requirements for the degree under such conditions as may be determined from time to time by the Dean.

#### **MASTER OF ENGINEERING SCIENCE<sup>1</sup>**

7. (1) Except as provided in Chapter XXVIA of these By-laws, an applicant for admission to candidature for the degree of Master of Engineering Science shall—

- (a) be a graduate in Engineering of the University of Sydney; or
- (b) (i) be a graduate of any other Faculty of the University of Sydney; and
- (ii) have completed courses acceptable to the Faculty of Engineering.

(2) An applicant for admission to candidature shall apply in writing to the Registrar for such admission to candidature.

8. A candidate shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Faculty of Engineering and the Academic Board.

#### **MASTER OF ENGINEERING**

9. An applicant for admission to candidature for the degree of Master of Engineering shall—

- (a) be a Bachelor of Engineering or a Bachelor of Science in Chemical Engineering of the University of Sydney;
- (b) apply in writing to the Registrar for such admission to candidature and for the approval of the Faculty of the proposed subject of a thesis.

10. A candidate, unless he is a Bachelor of Engineering or a Bachelor of Science in Chemical Engineering in either case with first-class or second-class honours in that branch of Engineering in which he is a candidate for the degree of Master of Engineering, shall, unless exempted by the Faculty, pass, not less than one year after obtaining the degree of Bachelor of Engineering or Bachelor of Science in Chemical Engineering and not less than one year before submitting a thesis as required in section 13, a preliminary examination prescribed by the Faculty.

11. A candidate shall be required to produce to the Faculty evidence of having pursued the science and/or practice of Engineering during four years after graduation as a Bachelor of Engineering or a Bachelor of Science in Chemical Engineering, or three years after graduation as a Bachelor of Engineering or a Bachelor of Science in Chemical Engineering in either case with first-class or second-class honours.

12. The Faculty shall appoint a member of the staff of the University to act as adviser to the candidate, or in the case of a full-time candidate, a supervisor.

13. (1) A candidate shall submit a thesis embodying the results of an original investigation or design of

academic merit carried out by him in some branch of Engineering. He may be required in addition, at the discretion of the Faculty, to pass an advanced examination in the branch or branches of Engineering which are most closely related to the work of the thesis.

(2) A candidate shall state in his thesis, generally in a preface and specifically in notes, the sources from which his information was derived, the extent to which he has availed himself of the work of others, and the portion of the thesis which he claims as original. He shall not present as his thesis any work previously submitted for a degree of this or any other university, but he may incorporate such work in his thesis, provided that he indicates the work so incorporated.

(3) A candidate shall lodge with the Registrar four copies (printed or typewritten) of his thesis.<sup>1</sup>

14. The Faculty shall appoint three examiners, of whom at least one shall be an external examiner. The examiners shall report to the Faculty, which shall determine the result of the examination.

15. The degree shall not be conferred until after the expiration of four academic years from the conferring of the Pass degree of either Bachelor of Engineering or Bachelor of Science in Chemical Engineering, or three academic years from the conferring of the Honours degree of either Bachelor of Engineering or Bachelor of Science in Chemical Engineering.

#### **DOCTOR OF PHILOSOPHY**

16. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXD.

#### **DOCTOR OF ENGINEERING**

17. The degree of Doctor of Engineering shall not be conferred except as prescribed in Chapter XIXB.

#### **DIPLOMAS**

18. A candidate for a diploma shall complete the requirements for the diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

### **RESOLUTIONS OF THE SENATE**

#### **BACHELOR OF ENGINEERING**

In accordance with Chapter XIV, section 3 of the By-laws, the following Resolutions governing candidature for the degree of Bachelor of Engineering have been prescribed by the Senate:

1. For the purpose of these Resolutions—

- (i) a 'course' shall comprise such lectures, tutorial instruction, essays, exercises, and practical work as the Faculty may provide.
- (ii) 'to complete a course' means—
  - (a) to attend the lectures and the meetings, if any, for tutorial instruction;
  - (b) to complete satisfactorily the essays, exercises and practical work, if any; and
  - (c) to pass the Annual Examination of the course and derivative expressions shall have a corresponding meaning.
- (iii) 'core course' means a course which must be completed by a candidate in order to qualify for the award of a degree, unless the candidate is granted exemption by the Faculty.
- (iv) 'elective course' means a course other than a core course.

<sup>1</sup> The Senate has approved the replacement of this degree by the degrees of Master of Engineering Studies and Master of Engineering (Research).

<sup>1</sup> See also Faculty Resolutions this chapter.

- (v) 'prerequisite' means a course which a candidate must complete before he is permitted to enrol in any course for which that course has been declared a prerequisite.
- (vi) 'corequisite' means a course in which, unless previously completed, a candidate must enrol concurrently with any course for which that course has been declared a corequisite.
- 2. (a) The courses which may be taken for the degree are—
  - (i) the Junior and Intermediate courses set out in Table I of the Tables appended to these Resolutions.
  - (ii) the Senior and Senior Advanced courses set out in Tables II to VII.
  - (iii) elective courses, being Senior, Senior Advanced and Honours courses from time to time prescribed by the Faculty; such courses may not be provided in every year.
  - (iv) such other course or courses as may be approved by the Faculty in special cases.
- (b) (i) The core courses for the degree and their corequisite and prerequisite courses are set out in the Tables as follows:
  - In Civil Engineering—Table II.
  - In Mining Engineering—Table III.
  - In Mechanical Engineering—Table IV.
  - In Electrical Engineering—Table V.
  - In Chemical Engineering—Table VI.
  - In Aeronautical Engineering—Table VII.
- (ii) The Faculty may prescribe courses alternative to one or more of the core courses set out in the tables, completion of which shall satisfy the requirement to complete the core course concerned.
- (iii) The Head of the Department or School concerned may accept other work completed by a candidate as the equivalent of a corequisite or prerequisite for any course provided by that Department or School.
- (c) The Faculty at the time of prescribing elective courses may also prescribe corequisites and prerequisites for those courses. At the discretion of the Head of the Department concerned, other work completed by a candidate may be accepted as the equivalent of a prerequisite or corequisite prescribed for any course provided by that Department.
- (d) A candidate may only enrol in courses in accordance with these resolutions and subject to the exigencies of the timetable. Where a candidate wishes to enrol in two courses given wholly or partly at the same time, the Heads of the Departments or Schools concerned in their discretion may permit the candidate to attend equivalent courses or parts of courses at other times.
- 3. The courses for the degree shall have a unit value; elective courses prescribed by the Faculty shall have the unit value given them at the time of prescription and all other courses shall have the unit values shown in the Tables.
- 4. (a) An examination called an 'Annual Examination' shall be held for each course.
- (b) The Annual Examination may consist of written or oral examinations, exercises, essays or practical work or any combination of these.
- (c) A candidate who has been prevented by duly

certified illness or misadventure from sitting for the whole or part of the Annual Examination may be tested at such times and in such a way as the Faculty shall determine and this shall not count as a re-examination.

- 5. (a) A candidate who has completed a course shall have credited to him the unit value of that course, except that—
  - (i) no course may be counted more than once as a qualifying course for the degree;
  - (ii) a candidate may not have credited for the degree units derived from more than one of such courses as the Faculty may deem to be mutually exclusive; and
  - (iii) a candidate may not receive credit for an option within a course which is similar in content to part of a course concurrently being taken or previously completed.
- (b) (i) In any course at the Annual Examination the Faculty may award a Terminating Pass which entitles the candidate to be credited with the full number of units for that course.
- (ii) A candidate who has been awarded a Terminating Pass in a course shall be held to have completed such course, except that the Tables prescribe for core courses certain prerequisites in which a terminating pass is not acceptable, and the Faculty may prescribe the same restriction as to prerequisites for an elective course.
- (iii) A candidate who is awarded a Terminating Pass in any course may take that course again but on completion of the course the units thereof may not be counted again.
- 6. (a) To qualify for the award of a Pass degree a candidate shall unless granted exemption by the Faculty under part (b) of this Resolution—
  - (i) complete all the core courses listed in the Table pertaining to the Department in which he is a candidate for the degree, and
  - (ii) complete additional elective courses as may be necessary to gain credit for a total of not less than 96 units.
- (b) The Faculty may grant an exemption from completion of any core course to a candidate who has completed work deemed by the Faculty to be equivalent to that course. No credit will be allowed for any core course for which an exemption from completion has been granted.
- (c) A candidate who, with the prior permission of the Faculty, completes a course or courses at another university or an appropriate institution may be given credit for such of the courses set out in the Tables attached to these Resolutions as the Faculty may determine.
- 7. Except with the permission of the Faculty, a candidate, in the first year of attendance, shall enrol in Junior courses with a total unit value of not less than 24 units and not more than 26 units.
- 8. (a) In each subsequent year of attendance after the first, a candidate may enrol in any of the courses for which there is no prerequisite or for which he has completed the prerequisites provided that:
  - (i) in the second year of attendance he may enrol in Junior and / or Intermediate courses only.
  - (ii) he shall include amongst the courses in which he enrolls such of the core courses for the degree for which he was qualified to enrol in the

- previous year of attendance and for which he has not yet gained credit, and for which he has not been granted exemption under Resolution 6 (b).
- (iii) he shall in no case enrol for courses having a total unit value of more than 32, nor enrol for courses having a total unit value of less than 18 unless he already has a credit for 79 or more units.
  - (iv) once he has gained credit for 14 or more units from Senior or Senior Advanced courses, he shall not enrol in any further such courses until he has obtained such practical experience as the Faculty may require in an Engineering organisation approved by the Faculty.
- (b) The Faculty may in special circumstances grant dispensation from the above requirements on such conditions as it thinks fit.
  - (c) A candidate enrolled in a course provided outside the Faculty of Engineering shall as regards that course be governed by the requirements of the Department providing such course.
  - (d) A candidate who has been enrolled for the degree of Bachelor of Engineering but has not re-enrolled for a period of three or more consecutive years, shall, upon subsequent re-enrolment, complete the requirements for the degree under such conditions as the Faculty may determine.
9. (a) A candidate who re-enrols in a course which he has previously failed to complete shall, unless exempted by the Faculty, attend all lectures and other classes and complete all written and other work prescribed for the course.
- (b) A candidate who presents himself for re-examination in any course shall not be eligible for any prize or scholarship awarded in connection with such examination.
10. (a) Graduates in other Faculties of the University of Sydney or graduates of other universities who desire to proceed to the degree of Bachelor of Engineering, may be admitted to candidature with credit for such of the courses set out in the Tables as the Faculty may determine, up to a maximum of 50 units, provided they have completed for their previous degree those courses or a course or courses considered by the Faculty to be equivalent. Such candidates shall then be required to complete, in accordance with these Resolutions, the requisite number of courses not already taken to meet the requirements of Resolution 6.
- (b) Students who have completed a course or courses in another Faculty or other Faculties of the University of Sydney may apply for permission to enrol as candidates for the degree of Bachelor of Engineering and if granted such permission, may be given credit for any of the courses set out in the Tables which they have completed in the other Faculty or Faculties, or for any course or courses considered by the Faculty to be equivalent, provided they have abandoned credit for such course or courses in the other Faculty or Faculties. Such candidates shall then be required to complete, in accordance with these Resolutions, the requisite number of courses not already taken to meet the requirements of Resolution 6.
- (c) Students who have completed a course or courses in another University or Institution may apply for permission to enrol as candidates for the degree of Bachelor of Engineering and if granted such permission may be given credit for such of the courses set out in the Tables as the Faculty may determine.
- (d) In each of the circumstances of the foregoing subsections, where an applicant for candidature has completed courses which are not comparable with any of the courses set out in the Tables, the Faculty may, either instead of or in addition to giving credit for any course that is so set out, give credit for such number of units, to be designated by the Faculty as Junior, Intermediate, Senior or Senior Advanced, as the Faculty may determine, and all units so credited shall, notwithstanding anything contained in these resolutions, count accordingly towards the satisfaction of the requirements of the degree.
11. (a) To qualify for admission to candidature for the Honours degree, a candidate shall—
- (i) be considered by the Head of the Department concerned to have the requisite knowledge and aptitude, and
  - (ii) except with the permission of the Faculty, be either of not more than three years' standing in the Faculty and have gained credit for not less than 24 units from Senior and Senior Advanced courses or of not more than four years' standing in the Faculty and have completed the requirements of the Pass degree.
- (b) In the case of a candidate who transfers to the Faculty of Science in accordance with the provisions of Resolution 20 of the Senate Resolutions which govern candidature for the degree of Bachelor of Science, the time spent as a candidate in the Faculty of Science shall not be counted in determining his years of standing in the Faculty of Engineering.
12. (a) To qualify for the award of an Honours degree a candidate shall—
- (i) complete the requirements of Resolution 6; and
  - (ii) complete such Honours Courses as are determined by the Head of the Department in which he is a candidate.
- (b) The Faculty may prescribe any Senior or Senior Advanced course as a course which may be taken as an Honours course.
- (c) Where an Honours course and a core course are deemed by the Faculty to be mutually exclusive, completion of the Honours course will be taken as satisfying the core course.
- (d) Except with the permission of the Faculty, a candidate shall not be eligible for the award of an Honours degree unless he has completed all the requirements within one year from admission to candidature.
- (e) A candidate for an Honours degree who has failed to be placed in any Honours classification may be awarded a Pass degree.
- 13.<sup>1</sup> If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.

<sup>1</sup> Subject to approval of a By-law amendment approved by the Senate on 4 November 1985.

TABLE I'—JUNIOR AND INTERMEDIATE COURSES [See Resolution 2]

TABLE I(A)—JUNIOR COURSES

Course no. <sup>1</sup>	Title	Unit value	Assumed standard of knowledge at the matriculation or Higher School Certificate examination <sup>2</sup>	Remarks
<b>Courses provided by the Faculty of Engineering</b>				
1.111	Workshop Technology	2	For all courses <sup>2</sup> — Mathematics 3 Unit course and <i>either</i> the Science multistrand and 4 unit course <i>or</i> the 2 Unit Science course in Chemistry and the 2 Unit Science course in Physics	Mutually exclusive with 1.124
1.123	Engineering Programming and Graphics	3		
1.124	Engineering Programming and Graphics Auxiliary	2		Mutually exclusive with 1.123
1.125	Introduction to Engineering Construction	2		
1.141	Engineering Drawing	1		Mutually exclusive with 1.150
1.142	Engineering Mechanics I	2		
1.150	Basic Electrical Engineering	2		
1.163	Chemical Engineering I	4		
1.181	Materials I	2		
1.511	Electrical Engineering I	5		
<b>Courses provided by Departments outside the Faculty of Engineering</b>				
1.010	Mathematics I <sup>3</sup>	6	Mathematics 3 Unit course	Mutually exclusive with 1.018. Mutually exclusive with 1.010. The corequisite is: 1.022 Mechanics IE or 1.142 Engineering Mechanics I or 1.041 Physics I.
1.018	Mathematics IE <sup>3</sup>	5	Mathematics 3 Unit course	
1.022	Mechanics IE <sup>3</sup>	3	Mathematics 3 Unit course and the Physics section of the Science multistrand 4 Unit course or 2 Unit Physics	Mutually exclusive with 1.041. The corequisite is: 1.022 Mechanics IE, or both 1.010 Mathematics I and 1.142 Engineering Mechanics I; or both 1.018 Mathematics IE and 1.142 Engineering Mechanics I. <i>Note: see Physics II prerequisites</i>
1.040	Physics IE	4	Mathematics 3 Unit course and either 2 Unit Physics or the Physics core of 3/4 Unit Science	
1.041	Physics I <sup>3</sup>	6	Mathematics 3 Unit course and the Physics section of the Science multistrand 4 Unit course or 2 Unit Physics	See prerequisites for Physics II and Physics III. Mutually exclusive with 1.040.
1.047	Computer Science I	6	Mathematics 2 Unit course	See prerequisites for Chemistry II. Mutually exclusive with 1.052.
1.051	Chemistry I <sup>3</sup>	6	Mathematics 2 Unit course and the Chemistry section of the Science Multistrand 4 Unit course or 2 Unit Chemistry	
1.052	Chemistry IE <sup>3</sup>	4	Mathematics 2 Unit course and the Chemistry section of the Science Multistrand 4 Unit course or 2 Unit Chemistry	Mutually exclusive with 1.051.
1.061	Geology I <sup>3</sup>	6		See prerequisite for Geology II.
1.072	Accounting I	6		
1.073	Economics I	6	Mathematics 2 Unit course	
1.081	Biology I <sup>3</sup>	6	The Biology section of the Science Multistrand 4 Unit course	Replaces the previous courses 1.071 Economics I and 1.076 Economics I(P) and may not be counted with either of them.

<sup>1</sup> In this and the following attached tables of courses the numbering system is:

First digit—Course designation:

- 1—Junior
- 2—Intermediate
- 3—Senior
- 4—Senior Advanced
- 5—Honours

Second digit—Classification:

- 0—Departments outside the Faculty of Engineering
- 1—General Faculty courses
- 2—Civil
- 3—Mining
- 4—Mechanical

- 5—Electrical
- 6—Chemical
- 7—Aeronautical
- 8—Materials
- 9—Joint courses

Third and Fourth digits—Course number within the classification, e.g. 3.504 Senior course number 04 provided by the Department of Electrical Engineering.

<sup>2</sup> Candidates who have not achieved the assumed standard will be required to undertake supplementary work, details of which may be obtained from the Registrar.

<sup>3</sup> Although the first year courses in Physics, Chemistry, Biology and Geology are taught on the assumption that entrants to the University have achieved a standard of knowledge as set out above the University has noted that many students who have reached only this level have encountered difficulties in these courses. Students with only this prior standard of knowledge are therefore advised to make concentrated efforts throughout their first year and to undertake additional preparation before the beginning of lectures in consultation with the Dean's Office in the faculty concerned.



TABLE I(B)—INTERMEDIATE COURSES

XIV: ENGINEERING:  
SENATE RESOLUTIONS

Course no.	Title	Unit value	Prerequisites <sup>1</sup>		Corequisites
			(a)	(b)	
<b>Courses provided by the Faculty of Engineering</b>					
2.122	Structural Design I	2		1.010 or both 1.018 and 1.022	1.191; 2.123 or 2.171
2.123	Structures I	3		1.010 or both 1.018 and 1.022	1.142 or 1.022
2.146	Engineering Mechanics II	2		either 1.018 or 1.010	1.142; 2.015; 2.011
2.144	Applied Thermodynamics	2		1.010 or 1.018	
2.152	Applied Electricity	2	1.010 or 1.018		1.150 or 1.151
2.160	Engineering Hydrology	2	1.010 or 1.018		
2.164	Chemical Engineering II <sup>2</sup>	4		1.010 or 1.018	1.163
2.171	Mechanics of Solids I <sup>3</sup>	2		1.010 or both 1.018 and 1.022	
2.176	Engineering Construction I	2		1.010 or both 1.018 and 1.022	
2.442	Mechanical Design IA	3		1.010 or both 1.018 and 1.022	1.181 and either 2.123 or 2.171
2.511	Electrical Engineering II	5	1.511		2.011; 2.042
2.519	Numerical Techniques	1			2.011 or 2.014
2.650	Computing for Chemical Engineers	1			2.164
<b>Courses provided by Departments outside the Faculty of Engineering</b>					
2.004	Psychology II	8	1.003	1.010 or 1.018 or 1.081	
2.011	Pure Mathematics II	8	1.018 and 1.022; or 1.018 and 1.142; or 1.018 and 1.041; or 1.010		
2.012	Mathematical Methods II*	4	1.010 or 1.018		
2.014	Electrical Engineering Mathematics II	6	1.010 or 1.018		
2.015	Mechanical Engineering Mathematics II	6	1.010 or 1.018		
2.016	Differential Equations	2	1.010 or 1.018		
2.017	Matrix Theory and Applications II	1	1.010 or 1.018		2.014
2.019	Matrix Theory and Applications III	1	1.010 or 1.018		2.015 or 2.017
2.020	Combined Mathematics II	12	1.010 or both 1.018 and 1.022		
2.021	Applied Mathematics II	8		1.010 or both 1.018 and 1.022	
2.025	Complex Variables	2	1.010 or 1.018		
2.027	Numerical Methods	1	2.015 or 2.011		
2.031	Mathematical Statistics II	8	1.010 or 1.018		
2.033	Statistical Methods	4			
2.042	Physics II	8	1.041	1.010	
			OR		
			1.040	1.018 and 1.022	
			OR		
			1.040	1.010 and 1.142	
			OR		
			1.041	1.018	
2.048	Computer Science II	8	1.010 or 1.018, 1.047		
2.052	Chemistry II	8	1.051	1.010 or 1.018	
2.053	Chemistry IIE <sup>5</sup>	6	1.051	1.010 or 1.018	
2.055	Chemistry II Long	10	1.051	1.010 or 1.018	
2.059	Chemistry II Auxiliary	4	1.051	1.010 or 1.018	
2.062	Geology II <sup>6</sup>	8	1.061		
2.063	Engineering Geology A	2			
2.064	Engineering Geology B	3			1.051, 1.061 or 2.063
2.066	Geography II	8	1.065 <sup>7</sup>		
2.069	Geology II Long	10	1.061	1.051	
2.073	Economics II	8	1.071		
2.085	History and Philosophy of Science	4			
2.091	Biochemistry I	8	1.051		2.052 or 2.053
2.092	Biochemistry I Auxiliary	4			
2.094	Physiology I	8		1.051; 1.081 or 1.003	

<sup>1</sup> For prerequisites listed in column (a) a Terminating Pass is not acceptable<sup>2</sup> Mutually exclusive with 2.145 Fluid Mechanics<sup>3</sup> Mutually exclusive with 2.123 Structures I<sup>4</sup> Mutually exclusive with either 2.011 Pure Mathematics II or 2.021 Applied Mathematics II. Candidates who complete both of the courses 2.011 and 2.021 will receive credit for 12 units only<sup>5</sup> Mutually exclusive with any Intermediate Course in Chemistry<sup>6</sup> A candidate who has not completed 1.061 Geology I may apply to the Head of the Department of Geology for approval to enrol in 2.062 Geology II<sup>7</sup> A candidate who has not completed 1.065 Geography I may apply to the Head of the Department of Geography for approval to enrol in 2.066 Geography II.

TABLE II—CIVIL ENGINEERING [See Resolution 2]

(Candidates for the degree of Bachelor of Engineering in Civil Engineering are required to gain credit for the core courses set out below. Any additional credit necessary to satisfy the requirements of Resolution 6 shall be gained by completing other courses from Table I and/or from the Senior and Senior Advanced elective courses prescribed by the Faculty from time to time.)

**JUNIOR AND INTERMEDIATE COURSES (from Table I)**

1.018	Mathematics IE	2.011	Pure Mathematics II
1.022	Mechanics IE	2.063	Engineering Geology A
1.051	Chemistry I	2.046	Engineering Geology B
1.123	Engineering Programming and Graphics	2.122	Structural Design I
1.125	Introduction to Engineering Construction	2.123	Structures I
1.142	Engineering Mechanics I	2.176	Engineering Construction I
1.150	Basic Electrical Engineering		
1.181	Materials I		

**SENIOR COURSES**

Course no.	Title	Unit value	Prerequisites' (a)	(b)	Corequisites
3.027	Numerical Methods	1		2.011	
3.215	Materials II	3	1.181	2.011	
3.231	Structural Analysis I	3	2.123	2.011; 2.122	3.215; 3.233
3.233	Structural Behaviour I	3	2.123; 2.122	2.011	3.215; 3.231
3.241	Soil Mechanics I	3	1.181; 2.123	2.011	
3.250	Surveying I	2		2.011	3.280
3.261	Hydraulics I	3		2.011	
3.274	Principles of Transportation	1			
3.277	Engineering Construction II	2	2.176	2.011	
3.280	Applied Statistics	2		2.011	
3.291	Structural Design II	2	2.122		3.231; 3.233

**SENIOR ADVANCED COURSES**

Course no.	Title	Unit value	Prerequisites' (a)	(b)	Corequisites
4.217	Materials III	2	3.215		
4.235	Structural Analysis II	2	3.231; 3.233		4.217; 4.237
4.237	Structural Behaviour II	2	3.231; 3.233		4.217; 4.235
4.245	Soil Mechanics II	2	3.241		
4.255	Surveying II	2	3.250		4.270, 4.293
4.265	Hydraulics II	2	3.261		
4.270	Civil Engineering Option	4			4.217; 4.235; 4.237; 4.293
4.278	Organisation and Management of Construction	2	2.176		3.277
4.293	Civil Engineering Design	4	3.291		4.217; 4.235; 4.237
4.295	Thesis	2			4.217; 4.235; 4.237

' For prerequisite courses listed in column (a) a Terminating Pass is not acceptable.

Pursuant to Resolution 2, the Faculty has prescribed the following acceptable alternatives to the core courses listed above:

Core course	Acceptable alternative
Both 1.018 Mathematics IE and 1.022 Mechanics IE	1.010 Mathematics I
1.049 Engineering Programming	1.047 Computer Science I
1.150 Basic Electrical Engineering	Both 1.022 Mechanics IE and 1.040 Physics IE; or 1.041 Physics I; or 1.151 Electrical Circuit Theory (provided that permission has first been obtained from the Head of the Department of Electrical Engineering)
2.063 Engineering Geology A	1.061 Geology I
2.064 Engineering Geology B	1.062 Geology II

(Candidates for the degree of Bachelor of Engineering in Mining Engineering are required to gain credit for the core courses set out below. Any additional credit necessary to satisfy the requirements of Resolution 6 shall be gained by completing other courses from Table I and /or from the Senior and Senior Advanced elective courses prescribed by the Faculty from time to time.)

**JUNIOR AND INTERMEDIATE COURSES (from Table I)**

1.018	Mathematics IE	2.011	Pure Mathematics II
1.022	Mechanics IE	2.063	Engineering Geology A
1.051	Chemistry I	2.064	Engineering Geology B
1.123	Engineering Programming and Graphics	2.122	Structural Design I
1.141	Engineering Drawing	2.123	Structures I
1.142	Engineering Mechanics I	2.152	Applied Electricity
1.150	Basic Electrical Engineering		
1.181	Materials I		

**SENIOR COURSES**

Course no.	Title	Unit value	Prerequisites <sup>1</sup>	Corequisites
			(a)	(b)
3.060	Mining Geology I <sup>2</sup>	2		2.062 or 2.064
3.241	Soil Mechanics I	3	1.181	2.011; 2.123 or 2.171
3.250	Surveying I	2		2.011
3.261	Hydraulics I	3		2.011
3.280	Applied Statistics	2		2.011
3.300	Mining Engineering I	2		2.062 or 2.064
3.303	Mining and Mineral Economics I	1		
3.304	Mining Engineering II	3		3.300
3.509	Electrical Power and Machinery	1		2.042 or 2.152
3.690	Particle and Fluid Systems	3		2.011

**SENIOR ADVANCED COURSES**

Course no.	Title	Unit value	Prerequisites <sup>1</sup>	Corequisites
			(a)	(b)
4.067	Mining Geology II <sup>2</sup>	3	2.062 or 2.064	
4.070	Mining Geology III <sup>2</sup>	2	2.062 or 2.064	
4.080	Mining Geology IV <sup>2</sup>	2	2.064	3.080
4.256	Mine Surveying	3	3.250	
4.302	Mining Engineering Practice	6	3.301	
4.305	Thesis	3	Credit for 18 units of Senior Courses.	
4.307	Mining and Mineral Economics II	2	3.303	
4.629	Mineral Processing	2		3.601 or 3.690

<sup>1</sup> For prerequisites listed in column (a) a Terminating Pass is not acceptable.

<sup>2</sup> Completion of the 2 unit modules 231, 312, 323 and 421 as part of the courses Geology II or Geology III in the Department of Geology and Geophysics will be accepted as alternatives for the core courses 3.060, 4.067, 4.070 and 4.080 respectively.

Pursuant to Resolution 2, the Faculty has prescribed the following acceptable alternatives to the core courses listed above:

Core course	Acceptable alternative
Both 1.018 Mathematics IE and 1.022 Mechanics IE	1.010 Mathematics I
1.049 Engineering Programming	1.047 Computer Science I
1.142 Engineering Mechanics I	Both 1.022 Mechanics IE and 1.040 Physics IE, or 1.041 Physics I
1.150 Basic Electrical Engineering	1.151 Electrical Circuit Theory (provided that permission has first been obtained from the Head of the Department of Electrical Engineering)
2.063 Engineering Geology A	1.061 Geology I
2.064 Engineering Geology B	2.062 Geology II
2.123 Structures I	2.171 Mechanics of Solids I

TABLE IV—MECHANICAL ENGINEERING [See Resolution 2]

(Candidates for the degree of Bachelor of Engineering in Mechanical Engineering are required to gain credit for the core courses set out below. Any additional credit necessary to satisfy the requirements of Resolution 6 shall be gained by completing other courses from Table I and/or from the Senior and Senior Advanced elective courses prescribed by the Faculty from time to time.)

**JUNIOR AND INTERMEDIATE COURSES (from Table I)**

1.018	Mathematics IE	2.015	Mechanical Engineering Mathematics
*1.040	Physics IE	2.027**	Numerical Methods
1.047	Computer Science I	2.144	Applied Thermodynamics
1.051	Chemistry I	2.146	Engineering Mechanics II
1.111	Workshop Technology	2.152	Applied Electricity
1.142	Engineering Mechanics I	2.171	Mechanics of Solids
1.150	Basic Electrical Engineering	2.442	Mechanical Design IA
1.181	Materials I		

\*1.022 Mechanics IE is a corequisite unless both 1.010 Mathematics I and 1.142 Engineering Mechanics I are completed

**SENIOR COURSES**

Course no.	Title	Unit value	Prerequisites <sup>1</sup> (a)	(b)	Corequisites
3.032	Statistics**	1			
3.423	Thermo-fluid Engineering	5	2.144	1.051; 2.015 or 2.011	
3.435	Mechanics and Properties of Solids	4	2.123 or 2.171	1.181; 2.015 or 2.011	
3.442	Mechanical Design IIA	4	2.442	1.111	3.435
3.444	Mechanical Systems	4	2.146	2.015 or 2.011; 12 units of Intermediate courses	
3.466	Manufacturing Engineering and Management	4	1.111	1.181 and 12 units of Intermediate courses	
3.906	Electrical Technology	2		2.152 or 2.042	

**SENIOR ADVANCED COURSES**

Course no.	Title	Unit value	Prerequisites <sup>1</sup> (a)	(b)	Corequisites
4.485	Mechanical Engineering Thesis	6	18 units of Senior Courses		
4.488	Professional Communication	1	3.461 and completion of industrial experience		4.485
	Together with not less than 14 units of Senior and Senior Advanced level courses chosen from the available electives with restriction upon combinations as the Head of Department may from time to time prescribe.				

<sup>1</sup> For prerequisite courses listed in column (a) a Terminating Pass is not acceptable.

\*\* Students who complete a Senior course in Mathematics or Computer Science in the Faculty of Science may be granted exemption from all or part of this core course.

Pursuant to Resolution 2, the Faculty has prescribed the following acceptable alternatives to the core courses listed above:

**Core course**

1.010 Mathematics I

1.150 Basic Electrical Engineering

2.015 Mechanical Engineering Mathematics II

2.171 Mechanics of Solids I

**Acceptable alternative**

Both 1.018 Mathematics IE and 1.022 Mechanics IE

1.151 Electrical Circuit Theory (provided that permission has first been obtained from the Head of the Department of Electrical Engineering)

2.011 Pure Mathematics II or

2.021 Applied Mathematics II Hons

2.123 Structures I

(Candidates for the degree of Bachelor of Engineering in Electrical Engineering are required to gain credit for the core courses set out below. Any additional credit necessary to satisfy the requirements of Resolution 6 shall be gained by completing other courses from Table I and /or from the Senior and Senior Advanced elective courses prescribed by the Faculty from time to time.)

**JUNIOR AND INTERMEDIATE COURSES (from Table I)**

1.018	Mathematics IE*	2.011	Pure Mathematics II
1.041	Physics I	2.042	Physics II
1.047	Computer Science I	2.511	Electrical Engineering II
1.052	Chemistry IE	2.519	Numerical Techniques
1.511	Electrical Engineering I		

\* Mechanics IE is a corequisite.

**SENIOR COURSES**

Course no.	Title	Unit value	Prerequisites <sup>1</sup>		Corequisites
			(a)	(b)	
3.517	Electrical Engineering Physics	2	2.042		
3.518	Digital Systems I	2	2.511		
3.522	Fields and Waves	2			3.526
3.523	Electronics I	6	2.042; 2.153		3.525; 3.522
3.525	Control I	2			3.526
3.526	Circuits and Signals I	4	2.011; 2.042; 2.511		3.525; 3.522
3.551	Power and Energy Conversion I	5	2.511	2.042	
3.552	Electronics I	5			3.526
3.553	Communications I	2			3.552

**SENIOR ADVANCED COURSES**

Course no.	Title	Unit value	Prerequisites <sup>1</sup>		Corequisites
			(a)	(b)	
4.521	Power and Energy Conversion 2	2	3.551		
4.523	Electronics 2 <sup>2</sup>	2	3.552		4.526
4.524	Communications 2 <sup>2</sup>	2	3.553		4.526
4.525	Control 2 <sup>2</sup>	2	3.525		
4.526	Circuits and Signals 2 <sup>2</sup>	2	3.526		
4.534	Digital Systems II	2	3.518		
4.536	Laboratory	5			4.521; 4.523; 4.524; 4.525; 4.534
4.537	Electrical Engineering Practice <sup>3</sup>	2			4.536
4.540	Thesis <sup>3</sup>	5			4.536

<sup>1</sup> For prerequisite courses listed in column (a) a Terminating Pass is not acceptable.

<sup>2</sup> To be given first in 1987; for 1986 refer to 1985 Engineering Handbook.

<sup>3</sup> Honours candidates who complete the prescribed honours courses are exempted from these core courses.

Pursuant to Resolution 2, the Faculty has prescribed the following acceptable alternatives to the core courses listed above:

Core course	Acceptable alternative
1.018 Mathematics IE	1.010 Mathematics I, at H level
1.040 Physics IE	1.041 Physics I, at D level
1.052 Chemistry IE	1.051 Chemistry I
1.141 Engineering Drawing	1.191 Machine Drawing and Descriptive Geometry
2.154 Digital Logic	2.048 Computer Science II
2.519 Numerical Techniques	2.048 Computer Science II

TABLE VI—CHEMICAL ENGINEERING [See Resolution 2]

(Candidates for the degree of Bachelor of Engineering in Chemical Engineering are required to gain credit for the core courses set out below. Any additional credit necessary to satisfy the requirements of Resolution 6 shall be gained by completing other courses from Table I and / or from the Senior and Senior Advanced elective courses prescribed by the Faculty from time to time.)

**JUNIOR AND INTERMEDIATE COURSES (from Table I)**

1.018	Mathematics IE	2.011	Pure Mathematics II
1.022	Mechanics IE	2.053	Chemistry IIE
1.051	Chemistry I	2.152	Applied Electricity
1.141	Engineering Drawing or	2.164	Chemical Engineering II
	1.191 Machine Drawing and	2.171	Mechanics of Solids I
	Descriptive Geometry	2.650	Computing for Chemical Engineers
1.150	Basic Electrical Engineering		
1.163	Chemical Engineering I		
1.181	Materials I		

**SENIOR COURSES**

Course no.	Title	Unit value	Prerequisites' (a)	(b)	Corequisites
3.021	System Dynamics and Real-Time Computing	1		2.011, 2.650	3.028
3.028	Numerical Methods and Applications	2		2.011 2.650	3.603
3.601	Unit Operations I	6	2.164		
3.602	Thermodynamics and Kinetics	4			
3.608	Statistical Methods	2			
3.613	Corrosion Principles	1		1.181; 4 units of Intermediate Chemistry	
3.615	Project Engineering I	3	2.164		3.601
3.616	Chemical Engineering Laboratory	5	2.164		3.601

**SENIOR ADVANCED COURSES**

Course no.	Title	Unit value	Prerequisites' (a)	(b)	Corequisites
4.624	Unit Operations II	3	3.601		
4.625	Reactor Design	2	3.602		
4.632	Process Control	3		2.650, 3.621	
4.635	Thesis	5			4.624; 4.625; 4.641
4.640	Project Engineering II	2	3.615		
4.641	Chemical Engineering Design	3	3.601 3.602		4.640

' For prerequisites listed in column (a) a Terminating Pass is not acceptable.

Pursuant to Resolution 2, the Faculty has prescribed the following acceptable alternatives to the core courses listed above:

Core course	Acceptable Alternative
Both 1.018 Mathematics IE and 1.022 Mechanics IE	1.010 Mathematics I And Either 1.142 Engineering Mechanics I or 1.041 Physics I
1.141 Engineering Drawing	1.191 Machine Drawing and Descriptive Geometry
1.150 Basic Electrical Engineering	1.151 Electrical Circuit Theory (provided that permission has first been obtained from the Head of the Department of Electrical Engineering)
2.053 Chemistry IIE	2.052 Chemistry II or 2.055 Chemistry II Long or both 2.059 Chemistry II Auxiliary and 2.092 Biochemistry I Auxiliary
2.171 Mechanics of Solids I	2.123 Structures I

(Candidates for the degree of Bachelor of Engineering in Aeronautical Engineering are required to gain credit for the core courses set out below. Any additional credit necessary to satisfy the requirements of Resolution 6 shall be gained by completing other courses from Table I and/or from the Senior and Senior Advanced elective courses prescribed by the Faculty from time to time.)

**JUNIOR AND INTERMEDIATE COURSES (from Table I)**

1.018	Mathematics IE	2.011	Pure Mathematics II
1.022	Mechanics IE	2.027	Numerical Methods
1.040	Physics IE	2.144	Applied Thermodynamics <sup>1</sup>
1.047	Computer Science I	2.146	Engineering Mechanics II
1.051	Chemistry I	2.152	Applied Electricity <sup>1</sup>
1.111	Workshop Technology	2.171	Mechanics of Solids or
1.124	Engineering Programming and Graphics Auxiliary	2.123	Structures I
1.142	Engineering Mechanics I <sup>1</sup>	2.442	Mechanical Design IA
1.150	Basic Electrical Engineering		
1.181	Materials I		

**SENIOR COURSES**

Course no.	Title	Unit value	Prerequisites <sup>2</sup>	Corequisites
			(a)	(b)
3.420	Thermodynamics	2	2.144	2.011
3.434	Mechanical Properties of Materials	2	2.123 or 2.171	1.181
3.441	Engineering Dynamics and Control	3	2.441 and 2.011	3.732
3.483	Production Engineering	2	1.111	
3.723	Aerodynamics I	5		2.011
3.732	Aircraft Structures I	4	2.123 or 2.171	2.011 or 2.015
3.771	Aircraft Design I	3	2.442	1.191
3.983	Laboratory I	3		3.732
				3.722; 3.732

**SENIOR ADVANCED COURSES**

Course no.	Title	Unit value	Prerequisites <sup>2</sup>	Corequisites
			(a)	(b)
4.714	Propulsion	2	3.420; 3.722	
4.726	Aerodynamics II	4	3.722	
4.736	Matrix Analysis of Structures	2	3.435	
4.737	Aircraft Structures II	4	3.722	
4.747	Mechanics of Flight	2	3.722	2.011 or 2.015
4.774	Aircraft Design II	3	3.771	
4.784	Thesis or Design Project	6	Credit for 18 units of Senior Courses	
4.787	Seminar	1	Credit for 18 units of Senior Courses	

<sup>1</sup> The course 2.042 Physics II is an acceptable alternative but where it is to be accepted as a prerequisite for a Senior Course, the Head of Department will require additional work.

*Note:* Physics II should only be taken by those students seeking to obtain the double degree with Physics II and Computer Science II.

<sup>2</sup> For prerequisites listed in column (a) a Terminating Pass is not acceptable.

**Core course**

1.018 Mathematics IE  
1.022 Mechanics IE  
1.040 Physics IE  
1.150 Basic Electrical Engineering

**Acceptable alternative**

1.010 Mathematics I  
1.041 Physics I  
  
1.151 Electrical Circuit Theory  
(provided that permission has first been obtained from the Head of the Department of Electrical Engineering)

## Bachelor of Engineering: Resolutions of the Faculty

### Elective courses

Pursuant to Section 2 (a) (iv) of the Resolutions of the Senate relating to the degree of Bachelor of Engineering, the Faculty has prescribed the following elective courses, being Senior, Senior Advanced and Honours courses, which may be taken by candidates for the degree:

#### SENIOR ELECTIVE COURSES

Course no.	Title	Unit value	Prerequisites	Corequisites
3.051	Software	2	Computer Science II	
3.096	Microbiology	4		2.092
3.232	Structural Analysis IA	3	2.123; 2.011; 2.122	3.215; 3.234
3.234	Structural Behaviour IA	3	2.123; 2.011; 2.122	3.215; 3.232
3.242	Soil Mechanics IA	3	1.181; 2.011; 2.123 or 2.171	3.262
3.253	Surveying IA	2	1.191; 2.011	3.032 or 3.280
3.262	Hydraulics IA	3	2.011	3.242
3.274	Principles of Transportation	1		
3.292	Structural Design IIA	2	1.181; 2.011; 2.122; 2.123	3.232; 3.234; 3.215
3.473	Computers in Mechanical Design	1	2.442	
3.511	Electrical Wiring	2		3.521
3.514	Economics	2		
3.520	Biomedical Engineering	2	2.152 or 2.153	3.905 or 3.523
3.610	Instrumental Methods of Analysis	1		
3.630	Analytical Methods	2		
3.905	Applied Electronics	1	1.151 or 1.150; 2.152 or 2.153 or 2.042	

#### SENIOR ADVANCED ELECTIVE COURSES

Course no.	Title	Unit value	Prerequisites	Corequisites
4.026	Partial Differential Equations	1	4 units of Intermediate Mathematics	
4.041	Robotics	1	Computer Science III or permission from the lecturer in charge	
4.051	Advanced Software	2	Computer Science II	
4.063	Industrial Ergonomics	1		
4.074	Industrial Relations	2		
4.308	Advanced Mine Ventilation	2		4.302
4.309	Advanced Rock Mechanics	2		4.302
4.310	Advanced Mine Planning	2	3.304	4.302
4.311	Mining Professional Option I	2		4.302
4.312	Mining Professional Option II	2		4.302
4.414	Thermal Engineering	3	3.422	
4.415	Fluids Engineering	3	3.422, 3.444	
4.422	Transportation Engineering	3	3.906, 3.422, 2.441 and 4 units of Intermediate Mathematics	
4.433	Materials Engineering	3	3.435 and 3.482	
4.444	Introduction to Continuum Mechanics	3	3.435, 3.444 and 3.422	
4.451	Machinery Engineering	3	3.444	
4.468	Industrial Engineering	3	3.461 and 3.024 or 3.032 or 3.280 or 3.608	
4.475	Advanced Design	3	3.442	
4.491	Environmental Acoustics and Noise Control	1	12 units of Senior Year courses	
4.492	Environmental Engineering	3	3.422	
4.626	Optimisation Techniques	2	3.608	
4.627	Transport Phenomena	2	3.601	4.624
4.631	Mineral Processing (extractive metallurgy)	2	3.601 or 3.690	
4.637	Reservoir Engineering	2	3.601	
4.638	Biochemical Engineering	4	2.164	2.092; 3.096
4.639	Pollution Control Engineering	2	3.601	
4.670	Computer-aided Flowsheet Design	2	3.021; 3.028	
4.756	Rotary Wing Aircraft	2	3.722	4.725; 4.747
4.757	Advanced Rotary Wing Dynamics	1		4.756
4.761	Airline Operation and Management	1		
4.902	Computational Methods for Partial Differential Equations	2	2.049 or 2.192; 3.027 or 3.028	
4.922	Transport Operations	1	3.509 or 3.516 or a suitable bridging course	
4.923	Vehicle Dynamics and Design	2	4 units of Intermediate Mathematics and 2.146 or a suitable bridging course; and 12 units of Senior Courses	
4.925	Introduction to Operations Research	1	3.024 or 3.032 or 3.280 or 3.608	



## HONOURS COURSES

XIV: ENGINEERING:  
SENATE RESOLUTIONS

Course no.	Title	Unit value	Prerequisites	Corequisites
5.214	Structures Honours	4		
5.218	Applied Mechanics	4		
5.222	Steel and Concrete Structures Honours	4		
5.244	Soil Mechanics Honours	4		
5.254	Surveying Honours	4		
5.264	Hydraulics Honours	4		
5.294	Civil Engineering Design Honours	4		
5.296	Thesis Honours	4		
5.538	Electrical Engineering Honours	3		4.512, 4.531, 4.533, 4.534, 4.535
5.541	Honours Thesis	5	As for Corequisites	4.512; 4.531; 4.533; 4.534; 4.535
5.727	Advanced Aerodynamics	2	3.722 or 3.271	4.726
5.738	Advanced Structural Analysis	2	3.732 or 3.271	—
5.785	Honours Thesis	8	Credit for 18 units of Senior courses	

## MASTER OF ENGINEERING SCIENCE

In accordance with section 8 of Chapter XIV of the By-laws, the Senate has prescribed the following resolutions for the degree of Master of Engineering Science:

1. A candidate may proceed to the degree of Master of Engineering Science in accordance with either Resolutions 2 to 9 (inclusive) or Resolutions 10 to 16 (inclusive) of these Resolutions.

### First alternative

2. (1) A candidate who is a graduate in Engineering and has been admitted with the qualifications referred to in Section 7(1)(a) of Chapter XIV of the By-laws shall—
  - (a) unless exempted by the Faculty under paragraphs 2(2) or 2(3), pass such preliminary examination as the Faculty may prescribe; and
  - (b) engage in a course of advanced study and research in some branch of Engineering in the University of Sydney either full-time for not less than one year or part-time for not less than two years.
- (2) Graduates with first or second class honours (or of equivalent standard as the Faculty may determine) in the same branch of Engineering in which they are candidates for the degree shall be exempt from the preliminary examination prescribed in Resolution 2(1)(a).
- (3) Graduates with first or second class honours (or of equivalent standard as the Faculty may determine) in a branch of Engineering other than that in which they are candidates for the degree may be exempted from the preliminary examination prescribed in Resolution 2(1)(a).
3. A candidate who is a graduate of any other Faculty and has been admitted with the qualifications referred to in Section 7(1)(b) of Chapter XIV of the By-laws, shall—
  - (a) unless exempted by the Faculty pass, not less than one year after obtaining the qualification by which admission to candidature was permitted, such preliminary examination as the Faculty may prescribe; and
  - (b) engage in a course of advanced study and research in some branch of Engineering in the University of Sydney either full-time for not less than one year or part-time for not less than two years.
4. (a) A candidate shall, unless special permission is granted by the Faculty, complete the requirements for the degree, in the case of a full-time student not later than 2 years, and in the case of a part-time student not later than 3 years, after the commencement of candidature or completion of any preliminary examination under these Resolutions.
- (b) The Faculty may include in the minimum period of candidature time spent in advanced study and research in the University of Sydney prior to the application for admission to candidature but shall not include any time spent towards any preliminary examination prescribed by the Faculty in accordance with these Resolutions.
5. (1) The Faculty shall appoint a person who is a full-time member of the University staff to act as supervisor of the candidate.
- (2) A report on the progress towards completion of the requirements for the degree shall be submit-

ted annually in respect of each candidate through the Head of Department or School concerned to the Faculty by the supervisor of that candidate.

- (3) The Faculty, on the recommendation of the Head of the Department or School concerned, may terminate the candidature of any candidate who has not shown evidence of sufficient progress towards the degree.
6. (1) A candidate shall submit a thesis embodying the results of the advanced study and research.
- (2) A candidate may be required, at the discretion of the Faculty, to pass an advanced examination in the branch or branches of Engineering which are most closely related to the work of the thesis.
- (3) A candidate shall state in the thesis, generally in a preface and specifically in notes, the sources from which the information was derived, the extent to which the work of others has been used, and the portion of the work claimed as original. The candidate shall not present as the thesis any work previously submitted for a degree of this or any other institution, but may incorporate such work in the thesis, provided that the work so incorporated is indicated.
- (4) A candidate shall lodge with the Registrar three copies (printed or typewritten) of the thesis.
- (5) The thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
7. (1) Having considered the certificate of the supervisor, the Faculty shall, if it thinks fit, appoint two examiners.
- (2) The examiners shall report to the Faculty, which shall determine the result of the examination.
8. The degree shall not be conferred upon a candidate until after the expiration of two academic years from the conferring of the degree which qualified the student for candidature if that degree was awarded at Pass standard, or one academic year from the conferring of the degree which qualified the student for candidature if that degree was awarded at Honours standard.
9. The Faculty may deem time spent or work done towards the degree of Doctor of Philosophy by a candidate before admission to candidature to be time spent or work done after admission, provided that the candidate has ceased to be a candidate for the degree of Doctor of Philosophy.

### Second alternative

#### 10. A candidate shall—

- (a) if required by the Head of the Department or School concerned, produce evidence of such Engineering experience as the Committee for Postgraduate Studies shall consider satisfactory;
- (b) unless exempted by the Committee for Postgraduate Studies, pass a preliminary examination prescribed by the Committee;
- (c) engage in such study in Engineering after admission as the Committee for Postgraduate Studies shall prescribe either,
  - (i) if a full-time candidate, for not less than one year, or
  - (ii) if a part-time candidate, for not less than two years;
- (d) carry out under supervision a project in a field of study approved by the Committee for Postgraduate Studies and submit for examination a thesis on such project; and

- (e) lodge with the Registrar three copies (type-written or printed) of the thesis.
  11. (1) A candidate who has been admitted to candidature with exemption from the preliminary examination shall, unless special permission is granted by the Committee for Postgraduate Studies, attempt the final examination for the degree not later than three years after admission to candidature.  
(2) A candidate who has been admitted to candidature without exemption from the preliminary examination, shall, unless special permission is granted by the Committee for Postgraduate Studies, attempt the final examination for the degree not later than three years after passing the preliminary examination.  
(3) Except with the permission of the Committee for Postgraduate Studies a candidate may not attempt a preliminary examination more than once.
  12. The Committee for Postgraduate Studies shall review the progress of each candidate at the end of each calendar year and, on the recommendation of the Head of the Department or School concerned, may terminate the candidature of any candidate who has not shown evidence of sufficient progress towards the degree.
  13. The Committee for Postgraduate Studies shall appoint a person who is a full-time member of the staff of the University to act as supervisor in respect of the candidate's project.
  14. The Committee for Postgraduate Studies shall appoint at least two examiners of the thesis of whom at least one may be an external examiner.
  15. The results of the examinations and the examiners' reports of the thesis shall be considered by the Committee for Postgraduate Studies, which shall make a recommendation regarding the award of the degree to the Faculty.
  16. The Committee for Postgraduate Studies may deem time spent or work done towards any of the Diplomas of the Faculty by a candidate before admission to candidature for the degree to be time spent or work done after admission provided that the candidate has ceased to be a candidate for that Diploma.
2. (1) A candidate who has been admitted to candidature with exemption from the preliminary examination shall, unless special permission is granted by the Committee for Postgraduate Studies, attempt the final examination for the degree not later than three years after admission to candidature.  
(2) A candidate who has been admitted to candidature without exemption from the preliminary examination, shall, unless special permission is granted by the Committee for Postgraduate Studies, attempt the final examination for the degree not later than three years after passing the preliminary examination.  
(3) Except with the permission of the Committee for Postgraduate Studies a candidate may not attempt a preliminary examination more than once.
  3. The Committee for Postgraduate Studies shall review the progress of each candidate at the end of each calendar year and, on the recommendation of the Head of the Department or School concerned, may terminate the candidature of any candidate who has not shown evidence of sufficient progress towards the degree.
  4. The Committee for Postgraduate Studies shall appoint a person who is a full-time member of the staff of the University to act as supervisor in respect of the candidate's project.
  5. The Committee for Postgraduate Studies shall appoint at least two examiners of the thesis of whom at least one may be an external examiner.
  6. The results of the examinations and the examiners' reports of the thesis shall be considered by the Committee for Postgraduate Studies, which shall make a recommendation regarding the award of the degree to the Faculty.
  7. The Committee for Postgraduate Studies may deem time spent or work done towards any of the Diplomas of the Faculty by a candidate before admission to candidature for the degree to be time spent or work done after admission provided that the candidate has ceased to be a candidate for that Diploma.
  8. These Resolutions shall take effect on and from 1 January 1987 provided that candidates for the degree of Master of Engineering Science who were admitted to candidature before this date may complete in accordance with the By-laws and Resolutions existing at the time they commenced.

#### MASTER OF ENGINEERING STUDIES

The Senate has prescribed the following resolutions for the degree of Master of Engineering Studies, subject to amendment of the By-laws to establish the degree:

1. A candidate shall—
  - (a) if required by the Head of the Department or School concerned, produce evidence of such Engineering experience as the Committee for Postgraduate Studies shall consider satisfactory;
  - (b) unless exempted by the Committee for Postgraduate Studies, pass a preliminary examination prescribed by the Committee;
  - (c) engage in such study in Engineering after admission as the Committee for Postgraduate Studies shall prescribe either,
    - (i) if a full-time candidate, for not less than one year, or
    - (ii) if a part-time candidate, for not less than two years;
  - (d) carry out under supervision a project in a field of study approved by the Committee for Postgraduate Studies and submit for examination a thesis on such project; and
  - (e) lodge with the Registrar three copies (type-written or printed) of the thesis.

#### MASTER OF ENGINEERING (RESEARCH)

The Senate has prescribed the following resolutions for the degree of Master of Engineering (Research), subject to amendment of the By-laws to establish the degree:

1. (1) A candidate who is a graduate in engineering and has been admitted with the qualifications referred to in Section 8(1)(a) of Chapter XIV of the By-laws shall—
  - (a) unless exempted by the Faculty under paragraphs 2(2) or 2(3), pass such preliminary examinations as the Faculty may prescribe; and
  - (b) engage in a course of advanced study and research in some branch of Engineering in the University of Sydney either full-time for not less than one year or part-time for not less than two years.
- (2) Graduates with first or second class honours (or of equivalent standard as the Faculty may determine) in the same branch of Engineering in which they are candidates for the degree shall be

- exempt from the preliminary examination prescribed in Resolution 1(1)(a).
- (3) Graduates with first or second class honours (or of equivalent standard as the Faculty may determine) in a branch of Engineering other than that in which they are candidates for the degree may be exempted from the preliminary examination prescribed in Resolution 1(1)(a).
2. A candidate who is a graduate of any other Faculty and has been admitted with the qualifications referred to in Section 8(1)(b) of Chapter XIV of the By-laws shall—
- unless exempted by the Faculty pass, not less than one year after obtaining the qualification by which admission to candidature was permitted, such preliminary examination as the Faculty may prescribe; and
  - engage in a course of advanced study and research in some branch of Engineering in the University of Sydney either full-time for not less than one year or part-time for not less than two years.
3. (a) A candidate shall, unless special permission is granted by the Faculty, complete the requirements of the degree, in the case of a full-time student not later than 2 years, and in the case of a part-time student not later than 3 years, after the commencement of candidature or completion of any preliminary examination under these Resolutions.
- (b) The Faculty may include in the minimum period of candidature time spent in advanced study and research in the University of Sydney prior to the application for admission to candidature but shall not include any time spent towards any preliminary examination prescribed by the Faculty in accordance with these resolutions.
4. (1) The Faculty shall appoint a person who is a full-time member of the University staff to act as supervisor of the candidate.
- (2) A report on the progress towards completion of the requirements for the degree shall be submitted annually in respect of each candidate through the Head of Department or School concerned to the Faculty by the supervisor of that candidate.
- (3) The Faculty, on the recommendation of the Head of the Department or School concerned, may terminate the candidature of any candidate who has not shown evidence of sufficient progress towards the degree.
5. (1) A candidate shall submit a thesis embodying the results of the advanced study and research.
- (2) A candidate may be required, at the discretion of the faculty, to pass an advanced examination in the branch or branches of Engineering which are most closely related to the work of the thesis.
- (3) A candidate shall state in the thesis, generally in a preface and specifically in notes, the sources from which the information was derived, the extent to which the work of others has been used, and the portion of the work claimed as original. The candidate shall not present as the thesis any work previously submitted for a degree of this or any other institution, but may incorporate such work in the thesis, provided that the work so incorporated is indicated.
- (4) A candidate shall lodge with the Registrar three copies (printed or typewritten) of the thesis.
- (5) The thesis shall be accompanied by a certificate from the supervisor stating whether, in

the supervisor's opinion, the form of presentation of the thesis is satisfactory.

6. (1) Having considered the certificate of the supervisor, the Faculty shall, if it thinks fit, appoint two examiners.
- (2) The examiners shall report to the Faculty, which shall determine the result of the examination.
7. The degree shall not be conferred upon a candidate until after the expiration of two academic years from the conferring of the degree which qualified the student for candidature if that degree was awarded at Pass standard, or one academic year from the conferring of the degree which qualified the student for candidature if that degree was awarded at Honours standard.
8. The Faculty may deem time spent or work done towards the degree of Doctor of Philosophy by a candidate before admission to candidature to be time spent or work done after admission, provided that the candidate has ceased to be a candidate for the degree of Doctor of Philosophy.
9. These Resolutions shall take effect on and from 1 January 1987 provided that candidates for the degree of Master of Engineering Science who were admitted to candidature before this date may complete in accordance with the By-laws and Resolutions existing at the time they commenced.

## DIPLOMAS

In accordance with section 18 of Chapter XIV of the By-laws the Senate has prescribed the following Resolutions for the Diplomas offered by the Faculty of Engineering:

1. An applicant for admission to candidature for any of the diplomas in the Faculty of Engineering shall apply in writing to the Registrar for such admission to candidature.
2. Admission to candidature may be granted to—
- a graduate in Engineering of the University of Sydney;
  - any other graduate of the University of Sydney who has completed courses acceptable to the Faculty of Engineering;
  - a graduate in Engineering of any other university or any college of advanced education;
  - a person who has obtained such qualifications or completed such courses in Engineering as are acceptable to the Faculty of Engineering and the Academic Board; *or*
  - a person who furnishes such evidence of special fitness as satisfies the Faculty of Engineering and the Academic Board that such person is qualified to enter upon systematic courses of study in the field of the Diploma.
3. An applicant may receive credit for time spent or work done towards the degree of Master of Engineering Science<sup>1</sup>, provided the applicant has ceased to be a candidate for that degree.
4. A candidate shall, either full-time for at least one year or part-time for at least two years, attend such courses of study and pass such examinations in those courses as the Faculty shall from time to time prescribe.
5. Except with the special permission of the Faculty, a candidate shall complete all requirements for the award of the diploma within three years of the date of admission to candidature.
6. The diplomas shall be awarded in three grades, namely Distinction, Credit and Pass.

<sup>1</sup> or, when it is established, the degree of Master of Engineering Studies.

7. The admission and work of candidates and the award of the diplomas in the Faculty shall be supervised by the Committee for Postgraduate Studies.

8. The Committee for Postgraduate Studies, on the recommendation of the Head of the Department or School concerned, may terminate the candidature of any candidate who has not shown evidence of sufficient progress towards the diploma.

## RESOLUTIONS OF THE FACULTY

### MASTER OF ENGINEERING

With regard to the presentation of thesis, candidates shall lodge four copies of the thesis properly bound in a form required by the Faculty of Engineering. Whenever possible, theses should be printed, or typed in double space, with wide margins, on A4 size paper. The candidate's name, title of thesis and the year of presentation should be printed on the cover and, if possible, on the spine.

### BOARD OF EXAMINERS

Pursuant to section 12 of Chapter VIII of the By-laws, the Faculty has resolved to establish the following Boards of Examiners:

#### Boards of Examiners for the Degree of Bachelor of Engineering

(i) For Junior and Intermediate years:

- The Dean and the Pro-Dean.
- Heads of Departments or their representatives.
- The examiners of all courses in which Junior and Intermediate students are enrolled. A sub-Committee of this Board, consisting of the Chairman of the Undergraduate Studies Committee and one examiner appointed by each Department, shall review the results and make recommendations to the Board of Examiners.

(ii) For Senior and Senior Advanced Years:

- The Dean and Pro-Dean.
- Heads of Departments or their representatives.
- The examiners of all Senior and Senior Advanced courses.

Sub-Committees of this Board consisting of the teaching staff of each Department, shall review the results and make recommendations to the Board of Examiners.

### COMMITTEE FOR POSTGRADUATE STUDIES

Pursuant to section 13 of Chapter VIII of the By-laws the Faculty appoints the following Committee for Postgraduate Studies:

The Dean (who shall be Chairman), the Pro-Dean, the Professors of Engineering, the Heads of the Departments or Schools of Aeronautical, Chemical, Civil and Mining, Electrical and Mechanical Engineering; five other members of the Faculty, one being elected from each of the above Departments or Schools; and up to three members of staff co-opted by the abovementioned members.

## RESOLUTIONS OF THE COMMITTEE FOR POSTGRADUATE STUDIES

### Degree of Master of Engineering Science (second alternative) and Diplomas

Pursuant to section 10(c) of the Resolutions of the Senate relating to the degree of Master of Engineering Science (second alternative) and pursuant to section 4 of the Resolutions of the Senate relating to diplomas

offered by the Faculty of Engineering, the Committee for Postgraduate Studies, on behalf of the Faculty, has prescribed the following courses which may be taken by candidates for the degree and for the diplomas:

	Unit value
<i>Chemical Engineering</i>	
Ch 0.21 Filtering and Parameter Estimation	2
Ch 0.22 Advanced Optimisation	3
Ch 1.40 Direct Digital Control	3
Ch 1.41 Advanced Process Dynamics and Control	3
Ch 1.42 Modelling and Process Simulation	3
Ch 1.43 Process Computer Systems	3
Ch 1.44 Applied Optimal Control	2
Ch 1.50 Thermodynamic Stability Diagrams	2
Ch 1.51 Advanced Mineral Processing	2
Ch 3.50 Introductory Reservoir Engineering	2
Ch 3.51 Flow Through Porous Media A	2
Ch 3.52 Flow Through Porous Media B	3
Ch 3.55 Numerical Reservoir Simulation	4
Ch 3.56 Recovery Methods	3
Ch 3.57 Enhanced Methods	2
Ch 4.57 Hydrocarbon Properties	3
Ch 4.58 Petroleum Processing	4
Ch 5.50 Project Studies in Reservoir Engineering	2
Ch 5.51 Project Studies in Production Engineering	2
Ch 7.01 Computer-aided Design	3
Ch 7.03 Economics of Petroleum Exploration and Production	1
Ch 7.04 Legislation and Pricing in Exploration and Producing	1
Ch 7.05 Hazard Assessment for the Chemical Process Industry	3
Ch 9.09 Pollutant Dispersion Modelling	3
Ch 9.11 Chemical Reactor Systems	3
Ch 9.12 Drilling Practice, Sampling and Core Analysis	2
<i>Electrical Engineering</i>	
E 1.54 Digital Systems I	2
E 1.55 Digital Systems II	2
E 1.56 Digital Systems III	2
E 1.61 Control I	2
E 1.62 Control II	2
E 1.63 Control III	2
E 1.64 System Identification Modelling	3
E 3.01 Plasma Statics	2
E 3.02 Plasma Dynamics	2
E 3.03 Plasma Engineering	2
E 5.00 Integrated Circuit Design	3
E 5.24 Computer-aided Design and Filters I	2
E 5.25 Computer-aided Design and Filters II	2
E 5.26 Computer-aided Design and Filters III	2
E 5.27 Active Filters	2
E 5.28 Recent Advances in Television Broadcasting	2
E 5.35 Guided Waves: Theory and Practice I	2
E 5.36 Guided Waves: Theory and Practice II	2

XIV: ENGINEERING:  
SENATE RESOLUTIONS  
FACULTY RESOLUTIONS  
POSTGRADUATE COMMITTEE  
RESOLUTIONS

STATUTES:  
BY-LAWS AND  
RESOLUTIONS

		Unit value			Unit value
E 5.40	Telecommunications I	2	M 5.51	Introduction to Computer Aided Design and Drafting	2
E 5.41	Telecommunications II	2			
E 5.42	Switching Systems I	2	M 7.51	Business Policies and Practices A	4
E 5.43	Switching Systems II	2	M 7.52	Business Policies and Practices B	4
E 5.45	Data Communications Systems	2	M 7.53	Background to Industrial Management A	3
E 5.46	Photonics-Modern Optical Engineering	2	M 7.54	Background to Industrial Management B	3
E 5.60	Optical Transmission and Processing	2	M 9.03	Science and Technology of Polymer Processing	2
E 5.61	Solid State Electronics: Electronics Elective: Solar Cells and Related Optoelectronic Devices	3	M 9.08	Environmental Impact Assessment	5
E 5.62	Essay / Seminar	1			
E 5.63	Digital Processing I	2			Unit value
E 5.64	Digital Processing II	2	<i>Civil Engineering</i>		
E 5.65	Computer-aided Design IE	2	C 0.81	Automatic Computers and Civil Engineering	3
E 5.66	Computer-aided Design IIE	2	C 2.13	Frame Analysis I	3
E 5.67	Network Synthesis	2	C 2.15	Stability of Structures	3
E 5.68	Filter Design	2	C 2.16	Structural Dynamics	3
E 5.69	Computer-aided Design of Electronic Circuits	4	C 2.17	Thin-Walled Structures	3
E 5.70	Passive Filters	2	C 2.18	Plates and Shells	3
E 5.71	Finite Impulse Response Digital Filters	2	C 2.19	Frame Analysis II	3
E 5.72	Infinite Impulse Response Digital Filters	2	C 3.62	Applied Fluid Mechanics — Pressure Surges	3
E 5.80	Optical Transmission and Processing	2	C 3.63	Applied Fluid Mechanics — Open Channels	3
E 6.16	Power Systems Operation	2	C 3.64	Applied Fluid Mechanics — Models	3
E 6.17	Power Systems Analysis	2	C 7.71	Network Analysis in Engineering Construction	2
E 6.18	Power Systems Planning	2	C 8.22	Light Gauge Metal Structures	2
E 6.19	Power Systems Protection	2	C 8.23	Composite Structures	2
E 6.23	Energy and Power Generation	2	C 8.24	Engineering Properties of Metals	3
E 6.24	Underground Transmission	3	C 8.26	Steel Structures: Members and Connections	3
E 6.25	Electrical Power Distribution Systems	3	C 8.27	Steel Structures: Loading, Behaviour and Design	3
E 6.27	Energy and Power Generation I	2	C 8.28	Computer Aided Structural Design	2
E 6.28	Transmission Design	2	C 8.31	Technology of Cement and Concrete	2
E 6.35	Switchgear and Circuit Interruption	2	C 8.36	Special Concrete Structures	2
E 6.40	Power Electronics I	2	C 8.37	Concrete Structures: Durability and Environmental Response	3
E 6.41	Power Electronics II	2	C 8.38	Concrete Structures: Serviceability and Strength	3
E 6.42	Power Electronics III	2	C 8.39	Concrete Structures: Prestressed Concrete	3
E 6.43	Power Electronics IV	4	C 8.41	Foundation Engineering	3
E 6.50	Nuclear Energy and Power Generation	2	C 8.42	Site Investigation	3
E 6.60	Elements of Electrical Machine Design	2	C 8.43	Properties of Saturated Soil	3
			C 8.44	Analysis of Settlement and Soil Structure Interaction	3
<i>Mechanical Engineering</i>		Unit value	C 8.45	Soil Structure Interaction	2
M 0.13	Engineering Reliability Analysis	2	C 8.47	Earth and Rockfill Dams	2
M 0.15	Computational Methods in Engineering	3	C 8.48	The Analysis and Design of Pile Foundations	3
M 0.16	Advanced Computational Methods in Engineering	2	C 8.49	Rock Mechanics	2
M 1.11	Stochastic Processes in Engineering Systems	3	C 8.51	Numerical and Computer Methods in Geotechnical Engineering	3
M 1.19	Kinematics of Spatial Mechanism	3	C 8.52	Advanced Topics in Geotechnical Engineering	2
M 2.45	Fracture Design	3	C 8.53	Geotechnical Case Studies	2
M 2.61	Friction, Wear and Lubrication of Solids	3	C 8.54	Engineering Properties of Soils	2
M 3.35	Advanced Gas Dynamics with Engine Application	3	C 8.55	Field Measurement and Instrumentation	2
M 3.38	Environmental Acoustics	4	C 8.56	Theory of Soil Stability	2
M 3.39	Ship Model Tank Technique	2			
M 3.42	Combustion and Air Pollution	4			
M 4.42	Solar Power I	2			
M 4.43	Solar Power II	2			

# Faculty of Dentistry

- (m) the Principal Dental Adviser of the Health Commission of New South Wales; and
  - (n) one nominee of each of the Royal Australasian College of Dental Surgeons and the Australian Dental Association (New South Wales Branch).
- (2) The election of part-time members pursuant to subsection (1)(g) shall be held at the first meeting of the Faculty in Lent term each year and the members so elected shall hold office until the next annual election but contemporaneously with their membership of the part-time teaching staff.

XIV: ENGINEERING:  
POSTGRADUATE COMMITTEE  
RESOLUTIONS  
XV: DENTISTRY:  
BY-LAWS

## 2. The degrees and diploma in Dentistry shall be as follows:

- (a) Bachelor of Dental Surgery (B.D.S.),
- (b) Master of Dental Surgery (M.D.S.),
- (c) Master of Dental Science (M.D.Sc.),
- (d) Doctor of Philosophy (Ph.D.),
- (e) Doctor of Dental Science (D.D.Sc.),
- (f) Bachelor of Science (Dental) (B.Sc. (Dent.)),
- (g) Diploma in Public Health Dentistry (D.P.H.Dent.).

## BY-LAWS CHAPTER XV

### 1. (1) The Faculty of Dentistry shall comprise the following persons—

- (a) the Professors, Readers, Associate Professors, Senior Lecturers, Lecturers, Senior Tutors and Tutors in the Departments of Operative Dentistry, Oral Surgery, Preventive Dentistry and Prosthetic Dentistry being full-time permanent or full-time temporary members of the teaching staff;
- (b) the Deans of the Faculties of Medicine and Science;
- (c) the Heads of the Schools of Biological Sciences, Chemistry and Physics or their nominees;
- (d) the Heads of the Departments of Anatomy, Biochemistry, Histology and Embryology, Infectious Diseases Pathology, Pharmacology and Physiology or their nominees and up to two full-time members of the academic staff of each of those departments who are responsible for teaching dental students, nominated biennially by the Head of the Department;
- (e) the Boden Professor of Human Nutrition;
- (f) *(repealed)*;
- (g) not more than four part-time members of the teaching staff in the Departments of Operative Dentistry, Oral Surgery, Preventive Dentistry and Prosthetic Dentistry to be elected by the members mentioned in paragraphs (a), (b), (c), (d) (e) and (f);
- (h) not more than five students elected in the manner prescribed by resolution of the Senate;<sup>1</sup>
- (i) the President of the Dental Health Education and Research Foundation within the University of Sydney;
- (j) the General Superintendent of the Parramatta Hospitals, the Westmead Centre and the Superintendent of the United Dental Hospital of Sydney;
- (k) the Director of Dental Services at the Parramatta Hospitals, Westmead Centre;
- (l) the Director of the Institute of Dental Research;

### BACHELOR OF DENTAL SURGERY

3. Candidates for the degree of Bachelor of Dental Surgery shall, before admission to the Faculty of Dentistry, produce evidence of having matriculated in accordance with Chapter XX.

4. A candidate for the degree shall complete the requirements for the degree as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

### MASTER OF DENTAL SURGERY

5. An applicant for admission to candidature for the degree of Master of Dental Surgery shall—

- (a) except as provided in Chapter XXVIA of these By-laws, be a Bachelor of Dental Surgery of the University of Sydney; and
- (b) apply in writing to the Registrar for admission to candidature and for the approval of the Faculty.

### 6. A candidate, unless—

- (a) a Bachelor of Dental Surgery with First-class or Second-class Honours,

or

- (b) exempted by the Faculty,
- shall pass a preliminary examination prescribed by the Faculty, not less than one year after obtaining the degree of Bachelor of Dental Surgery and not less than one year before complying with section 8 (1).

7. The Faculty shall appoint a member of staff of the University to act as a supervisor of the candidate.

7A. The Faculty shall review the progress of each candidate annually and on the recommendation of the Head of Department concerned may terminate the candidature of any candidate who, in the opinion of the Faculty, has not shown evidence of sufficient progress towards the degree.

### 8. (1) A candidate for the degree of Master of Dental Surgery shall either

- (a) submit a thesis embodying the results of an investigation carried out by him in some branch of Dentistry and may be required, at the discretion of the Faculty, to pass an advanced examination in a subject or subjects related to the work of the thesis, or
- (b) pass an advanced examination and submit a treatise in some branch of Dentistry approved by the Faculty.

<sup>1</sup> See Senate Resolutions following Chapter VIII.

<sup>1</sup> See Senate Resolutions this Chapter.

- (2) A candidate proceeding under section 8 (1) (a) shall state in his thesis, generally in a preface and specifically throughout the thesis, the sources from which his information was derived, the extent to which he has availed himself of the work of others, and any portion of the thesis which he claims as original. He shall not present as his thesis any work previously submitted for a degree of this or any other University but he may incorporate such work in his thesis provided that he indicates the work so incorporated. A candidate shall lodge with the Registrar three copies (printed or typewritten) of his thesis.
- (3) A candidate proceeding under section 8 (1) (b) is required to lodge three copies (printed or typewritten) of his treatise with the Registrar before 1st February. The examination referred to in section 8 (1) (b) shall take place once a year.
9. The Faculty shall appoint two examiners, of whom at least one shall be either an external examiner or a member of the part-time teaching staff of the Faculty. The examiners shall report to the Faculty, which shall determine the result of the examination.
10. The degree shall not be conferred until two years after the conferring of the degree of Bachelor of Dental Surgery.

#### MASTER OF DENTAL SCIENCE

11. (1) An applicant for admission to candidature for the degree of Master of Dental Science shall—
- except as provided in subsection (2) be a Bachelor of Dental Surgery of the University of Sydney;
  - apply in writing to the Registrar for such admission to candidature and for the approval of the Faculty.
  - A graduate of Dentistry of any other University or a candidate with equivalent qualifications obtained in an appropriate institution may, with the approval of the Faculty and of the Academic Board, be admitted to candidature for the degree of Master of Dental Science.
  - The Faculty may admit an applicant to candidature upon probation for a period not exceeding twelve months and at the end of that period shall review the work of the candidate and confirm or terminate his candidature.
  - A candidate admitted to candidature upon probation whose candidature is subsequently confirmed shall be deemed to have commenced his candidature on the day upon which he was admitted to candidature upon probation.
12. (1) A candidate admitted in accordance with section 11 (1) (a) shall—
- unless—
    - a Bachelor of Dental Surgery with First-class or Second-class Honours or
    - exempted by the Faculty,
 pass a preliminary examination prescribed by the Faculty not less than one year after obtaining the degree of Bachelor of Dental Surgery, and not less than one year before complying with section 15 (1);
  - engage for not less than six terms as a full-time student in the University of Sydney in a course of advanced study and research in some branch of Dentistry as approved by the Faculty.
- (2) A candidate admitted in accordance with section 11 (2) shall—
- unless the Faculty is satisfied that he has already attained the standard required, pass

a preliminary examination prescribed by the Faculty, not less than one year after obtaining his dental qualifications and not less than one year before complying with section 15 (1).

- engage for not less than six terms as a full-time student in the University of Sydney in a course of advanced study and research in some branch of Dentistry as approved by the Faculty.
  - The Faculty may approve the inclusion within the six terms of not more than three terms spent in advanced study and research before admission to candidature. The three terms shall have been spent in the University of Sydney or in an institution approved by the Faculty.
13. The Faculty may deem time spent or work done towards the degree of Doctor of Philosophy by a candidate before his admission to candidature to be time spent or work done after admission, provided the candidate has ceased to be a candidate for the degree of Doctor of Philosophy.
14. The Faculty shall appoint a person who is a full-time member of the University staff to act as supervisor of the candidate.
- 14A. The Faculty shall review the progress of each candidate annually and on the recommendation of the Head of Department concerned may terminate the candidature of any candidate who, in the opinion of the Faculty, has not shown evidence of sufficient progress towards the degree.
15. (1) A candidate shall submit a thesis embodying the results of his advanced study and research. He shall in addition pass an advanced examination as prescribed by the Faculty.
- (2) A candidate shall state in his thesis, generally in a preface and specifically throughout the thesis, the sources from which his information was derived, the extent to which he has availed himself of the work of others, and the portion of the work which he claims as original. He shall not present as his thesis any work previously submitted for a degree of this or any other University, but he may incorporate such work in his thesis, provided that he indicates the work so incorporated.
- (3) A candidate shall lodge with the Registrar three copies (printed or typewritten) of his thesis.
16. The Faculty shall appoint two examiners, of whom at least one shall be either an external examiner or a member of the part-time teaching staff of the Faculty. The examiners shall report to the Faculty, which shall determine the result of the examination.
17. The degree shall not be conferred on a candidate within two years from the date on which the degree of Bachelor of Dental Surgery was conferred or equivalent qualifications obtained by which the candidate was admitted to candidature.

#### DOCTOR OF DENTAL SCIENCE

18. The degree of Doctor of Dental Science shall be awarded on the recommendation of the Faculty for an original contribution of distinguished merit adding to the knowledge or understanding of any subject with which the Faculty is directly concerned.
19. A candidate for the degree of Doctor of Dental Science shall either—
- have held the degree of Bachelor of Dental Surgery of the University of Sydney for at least five years; or
  - (i) have held for at least five years the degree of Bachelor of Dental Surgery or a degree or other qualification of another



university or institution determined by the Academic Board on the recommendation of the Faculty to be equivalent to the degree of Bachelor of Dental Surgery of the University of Sydney; and

- (ii) have had such continuing association with the academic work of the University of Sydney and over such period as the Academic Board on the recommendation of the Faculty shall determine is appropriate.

20. (1) A candidate shall submit to the Registrar five copies of the thesis, thesis supported by published work, or published work alone, which he wishes to have examined. The work submitted shall be a record of original research undertaken by the candidate who shall state the sources from which he has availed himself of the work of others and the portion of the work he claims as original.

(2) If the work submitted records work carried out conjointly, irrespective, in the case of published work, of whether it has been published in the candidate's sole name or under conjoint authorship, the candidate shall state the extent to which he was responsible for the initiation, conduct and direction of such conjoint research.

(3) Where the work submitted incorporates work previously submitted for a degree in this or in any other university, the candidate shall clearly indicate which portion of the work was so submitted.

(4) If published work is submitted, either reprints or copies of such work shall be properly bound. The bound work shall include an introduction describing the theme of the published work submitted, and stating how the various publications are related to one another and to the theme.

(5) To establish *prima facie* worthiness for examination of published work, a candidate may, before submitting published work, submit to the Faculty a list of publications and the introduction required by section 20 (4) of this Chapter.

21. On receipt of a report from the Faculty that the thesis and/or work submitted is *prima facie* worthy of examination for the degree, and of a recommendation concerning the examiners to be appointed, the Academic Board shall appoint at least three examiners, of whom, at least one shall normally be a member of the Faculty and of whom at least two shall be external examiners.

21A. On the award of the degree, the Registrar shall lodge one copy of the published work or thesis within the Library.

#### DOCTOR OF PHILOSOPHY

22. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXD.

#### BACHELOR OF SCIENCE (DENTAL)

23. A candidate for the degree of Bachelor of Science (Dental) shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.

#### DIPLOMA IN PUBLIC HEALTH DENTISTRY

24. There shall be a Diploma in Public Health Dentistry (D.P.H. Dent.).

25. (1) The Faculty may admit to candidature—  
(a) a graduate in Dentistry of the University of Sydney; or

(b) a graduate of the University of Sydney who has completed courses acceptable to the Faculty of Dentistry.

(2) The Academic Board may, on the recommendation of the Faculty, admit to candidature an applicant who has completed courses acceptable to the Faculty and who—

- (a) is a graduate of another University; or
- (b) is registered or registrable as a dental practitioner in the country in which he obtained his dental qualifications and such qualifications have been approved by the Faculty for the purposes of the Diploma.

26. A candidate shall—

- (a) for a period of not less than three consecutive terms as a full-time student or six consecutive terms as a part-time student follow such course of studies as the Head of the Department of Preventive Dentistry prescribes, including Public Health, Dental Public Health and Preventive Dentistry;
- (b) pass examinations in the subjects of Public Health, Dental Public Health and Preventive Dentistry;
- (c) within such period after such examinations as the Faculty prescribes, submit two copies (printed or typewritten) of a thesis on a topic approved by the Head of the Department.

27. The award of the Diploma shall be subject to the completion of the coursework, the thesis and the examinations to the satisfaction of the Faculty on the recommendation of the Head of the Department of Preventive Dentistry.

### RESOLUTIONS OF THE SENATE

#### BACHELOR OF DENTAL SURGERY

In accordance with Section 4 of Chapter XV of the By-laws, the Senate has prescribed the following resolutions for the degree of Bachelor of Dental Surgery:

1. (1) A course shall consist of lectures, seminars or tutorials, together with such clinical and laboratory instruction or practical work, exercises or essays as may be prescribed by the Faculty.  
(2) In these resolutions, the words 'to complete a course' and derivative expressions mean:  
(a) to attend all lectures, seminars or tutorials, and clinical and laboratory instruction;  
(b) to complete satisfactorily the practical work, exercises or essays if any; and  
(c) to pass the examinations in the course.
2. (1) An examination shall be held for each of the prescribed courses of study for the degree.  
(2) At each examination a candidate may be required to give proof of his knowledge by a practical or *viva voce* examinations, and the results of such tests may be taken into account in determining the results of the examinations.
3. A candidate for the degree shall, during the First Year, complete the following courses:  
(1) Physics.  
(2) Chemistry  
(3) Biology  
(4) Dental Science I.
4. A candidate for the degree shall, during the Second Year, complete the following courses:  
(1) Anatomy  
(2) Biochemistry  
(3) Histology  
(4) Physiology  
(5) Materials Science  
(6) Operative Dentistry (Preclinical)

- (7) Prosthetic Dentistry (Preclinical)
- (8) Oral Health
5. A candidate for the degree shall, during the Third Year, complete the following courses:
  - (1) Infectious Diseases
  - (2) Pathology
  - (3) Operative Dentistry
  - (4) Prosthetic Dentistry
  - (5) Preventive Dentistry
  - (6) Oral Biology
  - (7) Oral Diagnosis and Radiology
  - (8) Occlusion.
6. A candidate for the degree shall, during the Fourth Year, complete the following courses:
  - (1) Operative Dentistry
  - (2) Crown and Bridgework
  - (3) Endodontics
  - (4) Prosthetic Dentistry
  - (5) Preventive Dentistry
  - (6) Oral Surgery (including Oral Medicine and Oral Pathology)
  - (7) Surgery
  - (8) Pharmacology and Therapeutics
  - (9) Anaesthesia (Local and General)
  - (10) Oral Diagnosis and Radiology
  - (11) Periodontics
  - (12) Pedodontics
  - (13) Orthodontics.
7. A candidate for the degree, shall, during the Fifth Year, complete the following courses:
  - (1) Operative Dentistry
  - (2) Oral Surgery
  - (3) Prosthetic Dentistry
  - (4) Orthodontics
  - (5) Pedodontics
  - (6) Periodontics
  - (7) Ethics and Professional Responsibility
  - (8) Community Dentistry
8. Except by permission of the Dean of the Faculty, no candidate shall be allowed to sit for any yearly examination unless the requirements as specified by the Faculty for that year have been completed.
9. Except with the permission of the Faculty, no candidate shall be permitted to enrol in any courses prescribed for the Second or subsequent Years of candidature unless that candidate has completed all the requirements of the previous Year as specified by the Faculty for that Year.
10. Candidates who have completed all courses for the degree to the satisfaction of the Faculty may be recommended to the Senate for the degree of Bachelor of Dental Surgery.
11. Except with the permission of the Faculty, all requirements for the degree shall be completed within nine calendar years from the date of first enrolment in the Faculty.
12. First-class or Second-class Honours may be awarded at graduation.
13. If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal.
14. A candidate who had been enrolled for the degree of Bachelor of Dental Surgery but has not re-enrolled for a period of three or more consecutive years shall complete the requirements for the degree under such conditions as the Faculty may determine.
- Transitional provisions for the degree of Bachelor of Dental Surgery**
15. Pursuant to section 4 of Chapter XV of the by-laws, and except as provided in Resolution 14, a candidate enrolled for the degree of Bachelor of Dental

Surgery prior to 1 January 1978, who has not completed the requirements for the degree by that date, shall proceed to the degree in accordance with the By-laws in force immediately prior to 1 January 1978.

16. Where a course for the degree is no longer available, a candidate shall complete instead such other course or courses as the Faculty may by resolution prescribe.

#### **BACHELOR OF SCIENCE (DENTAL)**

1. A candidate for the degree of Bachelor of Dental Surgery who—

- (a) has completed the courses of the Second Year for the degree,
- (b) has shown special merit in his studies and
- (c) is considered by the Head of the appropriate Department or, in the case of Materials Science, the Professor or other member of the teaching staff most concerned, a suitable candidate for advanced work

may be permitted by the Faculty to interrupt his candidature for the degree and undertake an approved course of advanced study in one of Anatomy, Biochemistry, Materials Science, Histology or Physiology.

2. A candidate for the degree of Bachelor of Dental Surgery who—

- (a) has completed the courses of the Third Year or the Fourth Year for the degree,
- (b) has shown special merit in his studies and
- (c) is considered by the Head of the appropriate Department or, in the cases of Materials Science and Oral Biology, the Professor or other member of the teaching staff most concerned, a suitable candidate for advanced work

may be permitted by the Faculty to interrupt his candidature for the degree and undertake an approved course of study in one of Anatomy, Bacteriology, Biochemistry, Materials Science, Histology, Oral Biology, Pathology or Physiology.

3. A person who—

- (a) has qualified for the award of the degree of Bachelor of Dental Surgery of the University of Sydney,
- (b) has shown special merit in his studies and
- (c) is considered by the Head of the appropriate Department or, in the cases of Materials Science and Oral Biology, the Professor or other member of the teaching staff most concerned, a suitable candidate for advanced work

may be permitted by the Faculty to undertake, during the year immediately following that in which he qualified for the award of the degree of Bachelor of Dental Surgery, an approved course of study in one of Anatomy, Bacteriology, Biochemistry, Materials Science, Histology, Oral Biology, Pathology or Physiology.

4. On completion of the course, the candidate may be recommended by the Faculty for admission to the Pass degree of Bachelor of Science (Dental) or, in cases of outstanding merit, to the Honours degree of Bachelor of Science (Dental). For the Honours degree, there shall be two classes of Honours, namely Class I and Class II.

#### **RESOLUTIONS OF THE FACULTY POSTGRADUATE COMMITTEE IN DENTAL SCIENCE**

1. (i) There shall be a Committee of the Faculty of Dentistry to be known as the University of Sydney Postgraduate Committee in Dental Science.

- (ii) The objectives of the Committee shall be as follows:
  - (a) to develop and promote postgraduate and continuing education and research in the art and science of dentistry;
  - (b) to encourage awareness among graduate and undergraduate dental students of the need for postgraduate and continuing education; and
- (iii) The Committee may:
  - (a) organise postgraduate courses, demonstrations, lectures, seminars and clinical programmes and other postgraduate instructions in dentistry;
  - (b) engage in such activities as will further its objectives, and co-operate in this work with bodies with similar objectives;
  - (c) solicit gifts, donations, bequests to the University of Sydney for the promotion of its objectives;
  - (d) recommend grants for equipment, plant, instruments and materials;
  - (e) promote visits of teachers, clinicians, research workers and scholars to the University of Sydney and the Faculty of Dentistry whose expertise can help attain its objectives;
  - (f) provide grants to support research workers at the University of Sydney or at such other institutions as may be approved for the purpose;
  - (g) promote studentships and fellowships tenable in Australia or overseas to encourage research in Dentistry; and
  - (h) do all such things as are incidental or conducive to the attainment of its objectives.
- 2. (i) The Committee shall comprise the following persons:
  - (a) the Dean of the Faculty of Dentistry and the Professors in the professional subjects of the dental curriculum;
  - (b) the Heads, or Acting Heads, of the Departments within the Faculty; or their representatives;
  - (c) a nominee of the Australian Dental Association;
  - (d) a nominee of the Australian Dental Association (N.S.W. Branch);
  - (e) the Superintendent of the United Dental Hospital, or the Acting Superintendent or his representative;
  - (f) the Director of the Institute of Dental Research, or the Acting Director or his representative;
  - (g) a nominee of the Royal Australian College of Dental Surgeons;
  - (h) a representative of the preclinical subjects of the dental curriculum elected by the Faculty;
  - (i) not more than two co-opted members elected by the Faculty if it so desires.
  - (ii) Those members of the Committee who are elected shall hold office for two years from the date of their election (or until their successors are elected) and shall be eligible for re-election.
- 3. The Dean of the Faculty shall be the Chairman of the Committee.
- 4. Meetings of the Committee shall be convened by the Chairman and for any meeting three members shall form a quorum.
- 5. All moneys received by or on behalf of the Committee shall be paid to the University forthwith and shall be set apart as a separate fund to be known as 'University of Sydney Postgraduate Committee in

Dental Science Fund Account' and be used for carrying on the work of the Committee or set apart as such separate funds for special purposes as the Committee may determine.

- 6. The Committee shall lay before the Faculty of Dentistry a report of its proceedings each term.

## BOARDS OF EXAMINERS

### For the degrees of Bachelor of Dental Surgery and Bachelor of Science (Dental)

1. The Faculty of Dentistry shall appoint annually Boards of Examiners which shall be responsible for the conduct of examinations in the subjects laid down under Chapter XV of the By-laws in respect of candidates for the degrees of Bachelor of Dental Surgery and Bachelor of Science (Dental).

2. The Boards of Examiners shall be appointed pursuant to section 12 of Chapter VIII of the By-laws.

3. The Boards shall be known respectively as the Board of Examiners for First Year Dentistry; the Board of Examiners for Second Year Dentistry; the Board of Examiners for Third Year Dentistry; the Board of Examiners for Fourth Year Dentistry; the Board of Examiners for Fifth Year Dentistry; and the Board of Examiners for the Bachelor of Science (Dental).

4. The Dean of the Faculty of Dentistry shall be *ex officio* Chairman of each Board of Examiners.

5. The Boards of Examiners shall consist of the following members:

- (i) for First Year: the head or a nominee of the head of each of the following departments: Biological Sciences, Chemistry and Physics; and the Chairman of the Interdepartmental Committee for Dental Science I or a nominee of the Chairman.
- (ii) for Second Year: the heads of each of the following departments or their nominees: Anatomy, Biochemistry, Histology and Physiology; and the Chairman of the Interdepartmental Committee for Dental Science II or a nominee of the Chairman.
- (iii) for Third Year: the heads of each of the following departments or their nominees: Infectious Diseases, Pathology, Operative Dentistry, Prosthetic Dentistry and Preventive Dentistry; the Professor of Oral Biology and the chairmen of the Interdepartmental Committees for Oral Diagnosis and Radiology, and Occlusion or their nominees.
- (iv) for Fourth Year: the heads of each of the following departments or their nominees: Operative Dentistry, Oral Surgery, Preventive Dentistry and Prosthetic Dentistry; and the Chairman of the Interdepartmental Committee for the course Oral Diagnosis and Radiology or a nominee of the Chairman.
- (v) for Fifth Year: the members of the Board of Studies in Fifth Year as elected by the Faculty.
- (vi) for the degree of Bachelor of Science (Dental): the members of the Committee appointed by Faculty to supervise the admission of candidates to the BSc(Dent) course.

6. The Chairman of the Board of Examiners on the recommendation of the Head of Department concerned may invite other members of the Faculty to attend meetings of the Board.

## EXAMINERS

### For the degree of Bachelor of Dental Surgery

The examiners shall comprise those members of the full-time and part-time teaching staff of departments offering courses for the degree of Bachelor of Dental Surgery, who have been nominated by the heads of those departments or in the case of an interdepartmental course by the chairman of the interdepartmental committee, as the persons responsible for each particular course prescribed for the degree of Bachelor of Dental Surgery.

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# Faculty of Veterinary Science

## BY-LAWS CHAPTER XVI

1. (1) The Faculty of Veterinary Science shall be constituted as follows:
  - (a) the Professors, Readers, Associate Professors, Directors, Senior Lecturers and Lecturers being full-time permanent members of the teaching staff in the Departments of Veterinary Anatomy, Veterinary Clinical Studies, Veterinary Pathology, Veterinary Physiology and Animal Husbandry;
  - (b) the Heads of the Departments of Biochemistry, Histology and Embryology, and Pharmacology together with one full-time permanent member of each of these Departments nominated biennially by the Head of the Department;
  - (c) the Heads of the Schools of Physics, Chemistry, and Biological Sciences or one full-time permanent member of the academic staff of each of those Schools nominated biennially by the Head of the School;
  - (d) the Dean of the Faculty of Agriculture;
  - (e) The Director of the University Farms;
  - (f) the Superintendents, Senior Clinical Pathologist and Senior Clinical Instructor, being full-time permanent members of the staff of the Veterinary Hospital and Clinic and the Rural Veterinary Centre;
  - (g) the Director of the University Animal Houses;
  - (h) the Professor of Agronomy or a full-time permanent member of the academic staff of the Department of Agronomy and Horticultural Science nominated biennially by that Professor;
  - (i) the Director of Biometric Services or a full-time permanent member of the academic staff in Biometry nominated biennially by that Director;
  - (j) not more than three persons distinguished in the field of Veterinary Science appointed by the Senate on the nomination of the Dean of the Faculty of Veterinary Science with the approval of the Faculty;
  - (k) the short-term Senior Lecturers and the short-term Lecturers in the Departments of Veterinary Anatomy, Veterinary Clinical Studies, Veterinary Pathology, Veterinary Physiology and Animal Husbandry; and

(l) not more than three students elected in the manner prescribed by resolution of the Senate.<sup>1</sup>

(2) A person appointed pursuant to subsection (l) (j) shall be appointed for a period of three years and shall be eligible for reappointment for one further period of three years.

2. (1) The degrees in the Faculty of Veterinary Science shall be as follows:

(a) Bachelor of Veterinary Science (B.V.Sc.),

(b) Bachelor of Science (Veterinary) (B.Sc.(Vet.)),

(c) Master of Veterinary Science (M.V.Sc.),

(d) Master of Veterinary Clinical Studies (M.Vet.Clin.Stud.),

(e) Doctor of Philosophy (Ph.D.),

(f) Doctor of Veterinary Science (D.V.Sc.).

(2) The diplomas in the Faculty of Veterinary Science shall be as follows:<sup>2</sup>

(a) Diploma in Veterinary Pathology (Dip.Vet.Path.),

(b) Diploma in Veterinary Radiology (Dip.Vet.Rad.),

(c) Diploma in Veterinary Anaesthesia (Dip.Vet.An.),

(d) Diploma in Avian Medicine (Dip.Av.Med.),

(e) Diploma in Veterinary Clinical Studies (Dip.Vet.Clin.Stud.).

(f) Diploma in Wildlife Medicine and Husbandry (Dip.Wildlife Med. & Hus.).

(g) Diploma in Laboratory Animal Science (Dip.Lab.Anim.Sc.)

3. Candidates for the degree of Bachelor of Veterinary Science shall, before admission to the Faculty of Veterinary Science, produce evidence of having matriculated in accordance with Chapter XX.

#### **BACHELOR OF VETERINARY SCIENCE**

4. A candidate for the degree of Bachelor of Veterinary Science shall complete the requirements for the degree as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>2</sup>

#### **BACHELOR OF SCIENCE (VETERINARY)**

5. A candidate for the degree of Bachelor of Science (Veterinary) shall complete the requirements for the degree as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>2</sup>

#### **MASTER OF VETERINARY SCIENCE**

6. A candidate for the degree of Master of Veterinary Science shall complete the requirements for the degree as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>2</sup>

#### **MASTER OF VETERINARY CLINICAL STUDIES**

7. A candidate for the degree of Master of Veterinary Clinical Studies shall complete the requirements for the degree as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>2</sup>

#### **DOCTOR OF PHILOSOPHY**

8. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXd.

#### **DOCTOR OF VETERINARY SCIENCE**

9. The degree of Doctor of Veterinary Science shall not be conferred except as prescribed in Chapter XIXb.

#### **DIPLOMA IN VETERINARY PATHOLOGY**

10. A candidate for the Diploma in Veterinary Pathology shall complete the requirements for the Diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

#### **DIPLOMA IN VETERINARY RADIOLOGY**

11. A candidate for the Diploma in Veterinary Radiology shall complete the requirements for the Diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

#### **DIPLOMA IN VETERINARY ANAESTHESIA**

12. A candidate for the Diploma in Veterinary Anaesthesia shall complete the requirements for the Diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

#### **DIPLOMA IN AVIAN MEDICINE**

13. A candidate for the Diploma in Avian Medicine shall complete the requirements for the Diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

#### **DIPLOMA IN VETERINARY CLINICAL STUDIES**

14. A candidate for the Diploma in Veterinary Clinical Studies shall complete the requirements for the Diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

#### **DIPLOMA IN WILDLIFE MEDICINE AND HUSBANDRY**

15. A candidate for the Diploma in Wildlife Medicine and Husbandry shall complete the requirements for the Diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

#### **DIPLOMA IN LABORATORY ANIMAL SCIENCE**

16. A candidate for the Diploma in Laboratory Animal Science shall complete the requirements for the Diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

### **RESOLUTIONS OF THE SENATE**

#### **BACHELOR OF VETERINARY SCIENCE**

In accordance with Chapter XVI, section 4, the Senate has prescribed the following resolutions for the degree of Bachelor of Veterinary Science:

1. Candidates for the degree of Bachelor of Veterinary Science shall complete the following courses of instruction:

- (i) In the First Year—
  - Introductory Veterinary Science
  - Introductory Biology
  - Chemistry
  - Physics

XV: DENTISTRY:

FACULTY RESOLUTIONS

XVI: VETERINARY SCIENCE:

BY-LAWS

SENATE RESOLUTIONS

<sup>1</sup> See Senate Resolutions following Chapter VIII.

<sup>2</sup> See Senate Resolutions this chapter.

<sup>1</sup> See Senate Resolutions this Chapter.

- Veterinary Anatomy I
- Veterinary Histology I
- Biometry
- Animal Husbandry
- (ii) In the Second Year—
  - Veterinary Anatomy II
  - Veterinary Histology II
  - Veterinary Physiology I
  - Biochemistry
  - Animal Nutrition I
  - Animal Genetics
  - Veterinary Pathology I
  - Pastoral Botany and Agronomy
- (iii) In the Third Year—
  - Veterinary Physiology II
  - Veterinary Pathology II
  - Veterinary Microbiology
  - Veterinary Pharmacology and Toxicology
  - Veterinary Medicine I (Part A)
  - Veterinary Surgery I (Part A)
  - Veterinary Parasitology I
- (iv) In the Fourth Year—
  - Veterinary Medicine I (Part B)
  - Veterinary Surgery I (Part B)
  - Veterinary Parasitology II
  - Veterinary Anatomy III
  - Veterinary Clinical Pathology I
  - Animal Reproduction (Applied)
  - Animal Nutrition II
  - State Veterinary Medicine
- (v) In the Fifth Year—
  - Veterinary Medicine II
  - Veterinary Surgery II
  - Animal Production
  - Veterinary Clinical Pathology II
  - Veterinary Public Health

2. A course shall consist of lectures, together with such clinical, laboratory and tutorial instructions, practical work, exercises and essays as may be prescribed by the Faculty.

In these resolutions, 'to complete a course' and derivative expressions means:

- (a) to attend the lectures and seminars, if any, for clinical, laboratory or tutorial instructions;
- (b) to complete satisfactorily the practical work, exercises and essays, if any; and
- (c) to pass the examinations, if any, in the course.

3. Class examinations may be held during each course of instruction in each term; students shall not absent themselves from these examinations except upon production of a medical certificate. A report of the results signed by the responsible teacher, shall be presented to the Dean and may be taken into account at the Annual examinations.

4. (i) An annual examination may be held for each of the prescribed courses of study for the degree.  
(ii) At each annual examination, a candidate shall be required to give proof of his knowledge by written answers to the questions set, and if required also by practical or *viva voce* examination or both.

5. No candidate for the degree may enrol in any of the courses prescribed for the Second or subsequent Years of candidature unless that candidate has completed at the one examination all the requirements of the previous Year.

6. A candidate who has been enrolled for the degree of Bachelor of Veterinary Science but has not re-enrolled for a period of three or more consecutive years shall complete the requirements for the degree under such conditions as the Faculty may determine.

7. A candidate for the degree may enrol in the courses prescribed for the Fourth or subsequent Years of candidature only after having demonstrated proficiency in the safe handling of animals, in such a manner as may from time to time be prescribed by the Faculty.

8. During the Fifth Year, candidates shall be required to spend such periods in residence at the University of Sydney Farms as the Faculty may from time to time determine.

9. Before admission to the degree of Bachelor of Veterinary Science, candidates shall be required to complete such practical clinical work as may from time to time be prescribed by the Faculty.

10. Before admission to the degree of Bachelor of Veterinary Science, each candidate shall be required to produce evidence of having spent such periods as may be specified by the Faculty in gaining approved practical experience in animal management.

11. (1) First and Second Class Honours may be awarded at graduation.

(2) Results obtained in annual examinations shall determine whether a candidate qualifies for the award of honours.

(3) Honours shall not be awarded to a candidate who has taken longer to complete his course than the minimum period in which a candidate may complete a degree of Bachelor of Veterinary Science.

(4) Notwithstanding the provisions of subsection (3) of this section, the Faculty, for special reasons, may permit the award of honours to a candidate who has taken longer to complete his course than the period specified in that subsection.

(5) If a candidate graduates with First Class Honours and the Faculty is of the opinion that his work is of sufficient merit, he shall receive a bronze medal

## BACHELOR OF SCIENCE (VETERINARY)

In accordance with Chapter XVI, section 5, the Senate has prescribed the following resolutions for the degree of Bachelor of Science (Veterinary):

1. (1) A candidate for the degree of Bachelor of Science (Veterinary) who

(a) has completed the courses of the Second Year for the degree of Bachelor of Veterinary Science,

(b) has shown special merit in his studies, and

(c) is considered by the Head of the appropriate Department or School to be a suitable candidate for advanced work

may be permitted by the Faculty to interrupt his candidature for the degree of Bachelor of Veterinary Science and undertake an approved course of advanced study for no more than three consecutive terms in Animal Nutrition or Animal Genetics or Biochemistry or Histology or Veterinary Anatomy.

(2) On completion of the course the candidate may be recommended by the Faculty for admission to the degree of Bachelor of Science (Veterinary).

(3) The degree shall be awarded in one of two grades, either Pass or Pass with Distinction.

2. (1) A candidate for the degree of Bachelor of Science (Veterinary) who

(a) has completed the courses of the Third Year for the degree of Bachelor of Veterinary Science,

(b) has shown special merit in his studies, and

- (c) is considered by the Head of the appropriate Department or School to be a suitable candidate for advanced work  
may be permitted by the Faculty to interrupt his candidature for the degree of Bachelor of Veterinary Science and undertake an approved course of advanced study for not more than three consecutive terms in Animal Genetics or Animal Nutrition or Biochemistry or Histology or Veterinary Anatomy or Veterinary Bacteriology or Veterinary Pathology or Veterinary Pharmacology and Toxicology or Veterinary Physiology or Veterinary Virology or Zoology or such other areas as Faculty from time to time may determine.
- (2) On completion of the course the candidate may be recommended by the Faculty for admission to the degree of Bachelor of Science (Veterinary).
- (3) (a) The degree shall be awarded in one of two grades, either the Pass degree or, in cases of outstanding merit, the Honours degree.  
(b) For the Honours degree there shall be two classes of Honours, namely Class I and Class II.  
(c) If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal.
3. (1) A candidate for the degree of Bachelor of Science (Veterinary) who  
(a) has completed the courses of the Fourth Year for the degree of Bachelor of Veterinary Science,  
(b) has shown special merit in his studies, and  
(c) is considered by the Head of the appropriate Department to be a suitable candidate for advanced work  
may be permitted by the Faculty to interrupt his candidature for the degree of Bachelor of Veterinary Science and undertake an approved course of advanced study for not more than three consecutive terms in Animal Genetics or Animal Nutrition or Biochemistry or Histology or Veterinary Anatomy or Veterinary Microbiology or Veterinary Parasitology or Veterinary Pathology or Veterinary Pharmacology and Toxicology or Veterinary Physiology or Zoology or such other areas as Faculty from time to time may determine.
- (2) On completion of the course the candidate may be recommended by the Faculty for admission to the degree of Bachelor of Science (Veterinary).
- (3) (a) The degree shall be awarded in one of two grades, either the Pass degree or, in the case of outstanding merit, the Honours degree.  
(b) For the Honours degree there shall be two classes of Honours, namely Class I and Class II.  
(c) If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal.
1. An applicant for admission as a candidate for the degree of Master of Veterinary Science shall—  
(a) except as provided in Chapter XXVIA of these By-laws, be a Bachelor of Veterinary Science in the University of Sydney.  
(b) apply in writing to the Registrar for such admission to candidature.
2. (1) After admission by the Faculty a candidate shall—  
(a) subject to the provisions of subsection (2) pass a preliminary examination;  
(b) apply for the approval of the Faculty of the topic of a thesis.  
(2) (a) A candidate who being a graduate of the University of Sydney is a Bachelor of Veterinary Science with First Class or Second Class Honours or has obtained High Distinction or Distinction in the subject most related to the field in which he is proceeding may be exempted by the Faculty from the preliminary examination.  
(b) A candidate admitted to candidature under Chapter XXVIA of these By-laws may be exempted from the preliminary examination.
3. (1) A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and on completion of this probationary period, the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate his candidature.  
(2) In the case of a candidate accepted on a probationary basis under subsection (1) his candidature shall be deemed to have commenced from the date of such acceptance.
4. The candidate shall pursue a course of advanced study and research in the University of Sydney except that the Faculty may permit a candidate who is a graduate of the University of Sydney to pursue such a course of advanced study or research or part of it elsewhere.
5. (1) The Faculty shall appoint a full-time member of the staff of the University of Sydney to act as a candidate's supervisor or, when the course of advanced study and research is pursued elsewhere (i.e., an external candidature), to act as an adviser.  
(2) The Faculty may also appoint a member of staff, an Honorary Associate, or a person similarly qualified in another University or appropriate institution or organisation to act as an associate supervisor or associate adviser as the case may be.
6. The Faculty may deem time spent by a candidate in advanced study and research in the University of Sydney before admission to candidature to be time spent after such admission.
7. (1) A candidate for the degree of Master of Veterinary Science may be required by the Faculty on the recommendation of the Head of the Department and supervisor or adviser concerned to undertake work which may include practical work and attendance at lectures and seminar courses in prescribed subjects.  
(2) Where a candidate is required to comply with section (1) he shall, at the end of each year of candidature, produce evidence of progress with such work to the satisfaction of the Head of the Department and supervisor or adviser concerned.  
(3) Where a candidate fails to produce satisfactory evidence of progress in accordance with

#### MASTER OF VETERINARY SCIENCE

In accordance with Chapter XVI, section 6, the Senate has prescribed the following resolutions for the degree of Master of Veterinary Science:

section (2), the Faculty may, on the recommendation of the Head of the Department concerned, terminate his candidature.

8. Not less than one year after passing the preliminary examination, nor less than one year after approval of the topic of a thesis, the candidate shall present a thesis embodying the results of an original investigation by him. He may be required in addition, at the discretion of Faculty, to pass an examination in the branch or branches of Veterinary Science to which the topic of his thesis relates.
9. (1) Except with the permission of the Faculty on the recommendation of the Head of Department concerned, a full-time candidate shall complete the requirements for the degree not later than the end of the sixth term of candidature.  
(2) Except with the permission of the Faculty on the recommendation of the Head of Department concerned, a part-time candidate shall complete the requirements for the degree not later than the end of the fifteenth term of candidature.
10. (1) A candidate shall lodge with the Registrar three copies (printed or typewritten) of his thesis. He shall state in his thesis generally in a preface and specifically in notes, the sources from which his information was derived, the extent to which he has availed himself of the work of others and the portion of the thesis which he claims as original. He shall not present as his thesis any work previously submitted for a degree of this or any other university, but he may incorporate such work in his thesis, provided that he indicates the work so incorporated.  
(2) The thesis shall be accompanied by a certificate from the supervisor or adviser stating whether, in his opinion, the form of presentation of the thesis is satisfactory.
11. On receiving the thesis and having considered the certificate of the supervisor or adviser, the Faculty shall, if it thinks fit, appoint examiners. If the Faculty resolves to appoint examiners it shall appoint at least two examiners, of whom at least one shall be an external examiner. The examiners shall report to the Faculty, which shall determine the result of the examination.
12. The degree shall not be conferred in the case of a Bachelor of Veterinary Science with First Class or Second Class Honours until the candidate is a graduate of one year's standing and in the case of any other candidate, until he is a graduate of two years' standing.

#### MASTER OF VETERINARY CLINICAL STUDIES

In accordance with section 7 of Chapter XVI of the By-laws, the Senate has prescribed the following resolutions for the degree of Master of Veterinary Clinical Studies:

1. The degree of Master of Veterinary Clinical Studies may be taken in various subject areas of Veterinary Clinical Studies including Veterinary Anaesthetics, Veterinary Laboratory Medicine, Veterinary Medicine, Veterinary Radiology and Veterinary Surgery and their component specialist areas, and in such other subject areas as may be approved by the Faculty.
2. (1) Except as provided in Resolution 2 (2), an applicant for admission to candidature for the degree shall—
  - (a) be a Bachelor of Veterinary Science of the University of Sydney;
  - (b) unless exempted by the Faculty be registrable

by the Board of Veterinary Surgeons of New South Wales; and

- (c) apply in writing to the Registrar for such admission to candidature and for the approval of the Faculty.  
(2) On the recommendation of the Faculty, the Academic Board may, in accordance with Chapter XXVIA of the By-laws, admit to candidature a graduate of any other university or a person with equivalent qualifications obtained at an appropriate institution, provided that unless exempted by the Faculty the applicant has qualifications registrable by the Board of Veterinary Surgeons of New South Wales.
3. (1) A candidate may be admitted on a probationary basis for a period not exceeding six months and upon completion of this probationary period the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.  
(2) In the case of a candidate admitted on a probationary basis under Resolution 3 (1), the candidature shall be deemed to have commenced from the date of such admission.
4. A candidate shall—
  - (a) unless exempted in accordance with the provisions of Resolution 5, pass such preliminary examination as the Faculty may prescribe;
  - (b) apply for the approval by the Faculty of the topic of a thesis or treatise; and
  - (c) engage for a period of at least two years in full-time supervised study in the University of Sydney in the practice of veterinary clinical work or in some branch of it on a subject approved by the Faculty.
5. A candidate may be exempted by the Faculty from the preliminary examination referred to in Resolution 4 if he—  
either
  - (a) is a Bachelor of Veterinary Science of the University of Sydney who—
    - (i) graduated with First-Class or Second-class Honours,
    - (ii) obtained High Distinction or Distinction in the subject most related to the field in which he is proceeding or
    - (iii) has been awarded a Diploma in Veterinary Clinical Studies of the University of Sydney;
  - or
  - (b) was admitted to candidature in accordance with Resolution 2 (2) and is deemed by the Faculty to hold a qualification equivalent to one of those set out in Resolution 5 (a).
6. A candidate shall not be given any credit towards the requirements for the degree in respect of any work completed for a diploma within the Faculty.
7. (1) The Faculty shall appoint a full-time member of the academic staff of the University of Sydney to act as supervisor of the candidate.  
(2) The Faculty may also appoint a member of staff, an Honorary Associate, or a person similarly qualified in another University or appropriate institution or organisation to act as an associate supervisor.
8. Except with the permission of the Faculty on the recommendation of the Head of Department concerned, a candidate shall complete the requirements for the degree not later than the end of the ninth term of candidature.



9. (1) A candidate shall lodge with the Registrar 3 bound copies (printed or typewritten) of the thesis or treatise which embodies the results of an original investigation by him within the approved field of study.  
(2) He shall state in his thesis or treatise, generally in the preface and specifically in notes, the sources from which the information was derived, the extent to which he has availed himself of the work of others and the portion of the thesis or treatise which he claims as original.  
(3) He shall not present as his thesis or treatise any work previously submitted for a degree or diploma of this or any other university, but he may incorporate such work in his thesis or treatise, provided that he indicates the work so incorporated.  
(4) The thesis or treatise shall be accompanied by a certificate from the supervisor stating whether, in his opinion, the form of presentation of the thesis or treatise is satisfactory.
10. On receiving the thesis or treatise and having considered the certificate of the supervisor, the Faculty shall, if it thinks fit, appoint two examiners, of whom one shall be a member of the Faculty and the other an external examiner. The examiners shall report to the Faculty, which shall determine the result of the examination.
11. The Faculty shall review the progress of each candidate annually and on the recommendation of the Head of the Department of Veterinary Clinical Studies may terminate the candidature of a candidate who, in the opinion of the Faculty, has not shown evidence of sufficient progress towards the degree.

#### DIPLOMA IN VETERINARY PATHOLOGY

In accordance with Chapter XVI, section 10, the Senate has prescribed the following resolutions for the Diploma in Veterinary Pathology:

1. (1) An applicant for admission to candidature for the Diploma shall except as provided in subsection (2), be a graduate in the Faculty of Veterinary Science of the University of Sydney.  
(2) An applicant who, being a graduate of any other university or having obtained equivalent qualifications in an appropriate institution, has completed courses in Veterinary Science acceptable to the Faculty may be admitted as a candidate by the Academic Board on the recommendation of the Faculty.
2. A candidate shall—
  - (a) for a period of not less than twelve months follow as a full-time student such courses of studies as the Faculty, on the recommendation of the Head of the Department of Veterinary Pathology, prescribes; and
  - (b) pass examinations in each of the following subjects:
    - (i) Pathological Anatomy and Histology.
    - (ii) Haematology.
    - (iii) Immunology and Serology.
    - (iv) Microbiology.
    - (v) Parasitology.
3. The examination for the Diploma in Veterinary Pathology shall be held in such manner as the Faculty may from time to time determine.
4. The Diploma shall be awarded in three grades, namely Distinction, Credit and Pass.

#### DIPLOMA IN VETERINARY RADIOLOGY

In accordance with Chapter XVI, section 11, the Senate has prescribed the following resolutions for the Diploma in Veterinary Radiology:

1. (1) An applicant for admission to candidature for the Diploma shall except as provided in subsection (2), be a graduate in the Faculty of Veterinary Science of the University of Sydney.  
(2) An applicant who, being a graduate of any other university or having obtained equivalent qualifications in an appropriate institution, has completed courses in Veterinary Science acceptable to the Faculty may be admitted as a candidate by the Academic Board on the recommendation of the Faculty.
2. A candidate shall—
  - (a) for a period of not less than three consecutive terms follow as a full-time student such courses of studies as the Faculty, on the recommendation of the Head of the Department of Veterinary Clinical Studies, prescribes, and
  - (b) pass examinations in each of the following subjects:
    - (i) Radiographic Anatomy.
    - (ii) Radiographic Interpretation.
    - (iii) Principles of Radiography.
    - (iv) Basic Circuitry.
    - (v) Radiation Physics.
    - (vi) Radiation Therapy.
3. The examinations for the Diploma in Veterinary Radiology shall be held in such manner as the Faculty may from time to time determine.
4. The Diploma shall be awarded in three grades, namely Distinction, Credit and Pass.

#### DIPLOMA IN VETERINARY ANAESTHESIA

In accordance with Chapter XVI, section 12, the Senate has prescribed the following resolutions for the Diploma in Veterinary Anaesthesia:

1. (1) An applicant for admission to candidature for the Diploma shall, except as provided in subsection (2), be a graduate in the Faculty of Veterinary Science of the University of Sydney.  
(2) An applicant who, being a graduate of any other university or having obtained equivalent qualifications in an appropriate institution, has completed courses in Veterinary Science acceptable to the Faculty may be admitted as a candidate by the Academic Board on the recommendation of the Faculty, provided that the applicant has qualifications registrable by the Board of Veterinary Surgeons of New South Wales.
2. A candidate shall—
  - (a) for a period not less than twelve months follow as a full-time student such courses of studies as the Faculty, on the recommendation of the Head of the Department of Veterinary Clinical Studies, prescribes, and
  - (b) pass examinations which shall be in two parts, namely Part 1 and Part 2.  
*Part 1*  
Written and practical examinations:
    - (i) Anatomy, Physiology and Biochemistry considered in relation to anaesthesia and intensive care.
    - (ii) Pharmacology of drugs used for and in association with anaesthesia and intensive care.*Part 2*  
Written, clinical and practical examinations:
    - (i) The theory and practice of general anaesthesia.
    - (ii) The theory and practice of regional analgesia.

- (iii) Pre-operative assessment, preparation and medication, and the recognition and management of post-operative complications in so far as they are related to anaesthesia and surgery.
  - (iv) Fluid therapy and management of cases requiring intensive care.
3. The examination for the Diploma in Veterinary Anaesthesia shall be held in such manner as the Faculty may from time to time determine.
4. The Diploma shall be awarded in three grades, namely Distinction, Credit and Pass.

#### **DIPLOMA IN AVIAN MEDICINE**

In accordance with Chapter XVI, section 13, the Senate has prescribed the following resolutions for the Diploma in Avian Medicine:

1. (1) An applicant for admission to candidature for the Diploma shall, except as provided in subsection (2), be a graduate in the Faculty of Veterinary Science of the University of Sydney.
- (2) An applicant who, being a graduate of any other university or having obtained equivalent qualifications in an appropriate institution, has completed courses in Veterinary Science acceptable to the Faculty may be admitted as a candidate by the Academic Board on the recommendation of the Faculty.
2. A candidate shall—
  - (a) for a period not less than twelve months follow as a full-time student such courses of studies as the Faculty, on the recommendation of the Head of the Department of Veterinary Clinical Studies, prescribes, and
  - (b) pass examinations in each of the following subjects:
    - (i) Statistics
    - (ii) Epidemiology
    - (iii) Diagnostic Techniques
    - (iv) Preventive Medicine
    - (v) Experimental Methods
3. The examination for the Diploma in Avian Medicine shall be held in such manner as the Faculty may from time to time determine.
4. The Diploma shall be awarded in three grades, namely Distinction, Credit and Pass.

#### **DIPLOMA IN VETERINARY CLINICAL STUDIES**

In accordance with Chapter XVI, Section 14, the Senate has prescribed the following resolutions for the Diploma in Veterinary Clinical Studies:

1. (1) An applicant for admission to candidature for the Diploma shall, except as provided in subsection (2), be a graduate in the Faculty of Veterinary Science of the University of Sydney.
- (2) An applicant who, being a graduate of any other university or having obtained equivalent qualifications in an appropriate institution, has completed courses in Veterinary Science acceptable to the Faculty may be admitted as a candidate by the Academic Board on the recommendation of the Faculty provided that the applicant has qualifications registrable by, or obtains permission to practise under supervision from, the Board of Veterinary Surgeons of New South Wales.
2. A candidate shall—
  - (a) for a period of not less than twelve months follow as a full-time student such courses of studies as the Faculty, on the recommen-

- dation of the Head of the Department of Veterinary Clinical Studies, prescribes, and
- (b) pass examinations in each of the following subjects:
  - (i) Veterinary Medicine
  - (ii) Veterinary Surgery
  - (iii) Veterinary Anaesthesia
  - (iv) Veterinary Radiology
  - (v) Veterinary Clinical Pathology

3. The examination for the Diploma in Veterinary Clinical Studies shall be held in such manner as the Faculty may from time to time determine.
4. The Diploma shall be awarded in three grades, namely Distinction, Credit and Pass.

#### **DIPLOMA IN WILDLIFE MEDICINE AND HUSBANDRY**

In accordance with Section 15 of Chapter XVI of the By-laws, the Senate has prescribed the following resolutions for the Diploma in Wildlife Medicine and Husbandry:

1. An applicant for admission to candidature for the Diploma shall—
  - (a) except as provided in Chapter XXVIA of the By-laws, be a graduate in the Faculty of Veterinary Science;
  - (b) produce evidence that he has spent not less than eight weeks working in an institution which is concerned with the maintenance and care of wildlife and has been approved by the Faculty; and
  - (c) apply in writing to the Registrar for such admission to candidature.
2. A candidate for the Diploma during a period of not less than twelve months shall—
  - (a) complete satisfactorily and submit a report on an approved full-time programme of study of at least six months duration at an institution which is concerned with the maintenance and care of wildlife and has been approved by the Faculty;
  - (b) present a report embodying the results of an original investigation carried out by him on a full-time basis over not less than six months in the University of Sydney or at an institution which is concerned with the maintenance and care of wildlife and has been approved by the Faculty; and
  - (c) complete courses and pass examinations in the following subjects—
    - Management of captive animals
    - Management of free living wildlife
    - Zoological Medicine
    - Diseases of free living wildlife
    - Nutrition and reproduction of wildlife.
3. The examination for the Diploma in Wildlife Medicine and Husbandry shall be held in such manner as the Faculty may from time to time determine.
4. The Faculty shall appoint a person who is a full-time member of the staff of the University to act as supervisor of the candidate.
5. The Diploma shall be awarded in three grades, namely Distinction, Credit and Pass.

#### **DIPLOMA IN LABORATORY ANIMAL SCIENCE**

In accordance with section 16 of Chapter XVI of the By-laws, the Senate has prescribed the following resolutions for the Diploma in Laboratory Animal Science:

1. An applicant for admission to candidature for the Diploma shall—

- (a) except as provided in Chapter XXVIA of the By-laws, be a graduate in the Faculty of Veterinary Science;
- (b) produce evidence of having spent not less than eight weeks of approved work in an institution which is concerned with the maintenance and care of laboratory animals and has been approved by the Faculty; and
- (c) apply in writing to the Registrar for such admission to candidature.

2. A candidate for the Diploma shall—

- (a) complete satisfactorily and submit a report on a programme of full-time study of at least twelve months' duration approved by the Faculty on the recommendation of the Heads of the Departments concerned within the Faculty;
- (b) present a report embodying the results of an original investigation carried out by the candidate over not less than six months in the University of Sydney or at an institution which is concerned with the maintenance and care of laboratory animals and has been approved by the Faculty for such investigation;
- (c) pass examinations in the following subject areas—

Health and performance in laboratory animals,  
Diseases of laboratory animals,  
Laboratory animal house management and administration.

3. The examination for the Diploma in Laboratory Animal Science shall be held in such manner as the Faculty may from time to time determine.

4. The Faculty shall appoint a person who is a full-time member of the staff of the University to act as supervisor of the candidate.

5. The Diploma shall be awarded in three grades, namely Distinction, Credit and Pass.

## RESOLUTIONS OF THE FACULTY

### BOARD OF EXAMINERS

Pursuant to section 12 of Chapter VIII of the By-laws the Faculty appoints the following Board of Examiners:

- (1) The Board of Examiners of the Faculty of Veterinary Science shall be constituted as follows:
  - (a) the Professors, Readers, Associate Professors, Directors, Senior Lecturers and Lecturers being full-time permanent members of the teaching staff in the Departments of Veterinary Anatomy, Veterinary Clinical Studies, Veterinary Pathology, Veterinary Physiology and Animal Husbandry,
  - (b) the Heads of the Departments of Biochemistry, Histology and Embryology, and Pharmacology together with one full-time permanent member of each of these Departments nominated biennially by the Head of the Department,
  - (c) either the Heads of the Schools of Physics, Chemistry, and Biological Sciences or one full-time permanent member of the academic staff of each of these schools nominated biennially by the Head of the School,
  - (d) the Dean of the Faculty of Agriculture,
  - (e) the Director of the University Farms,
  - (f) the Superintendents, Senior Clinical Pathologist and Senior Clinical Instructor, being full-time permanent members of the staff at the Veterinary Hospital and Clinic and at the Rural Veterinary Centre,

- (g) the Director of the University Animal Houses,
  - (h) the Professor of Agronomy or a full-time permanent member of the academic staff of the Department of Agronomy and Horticultural Science nominated biennially by that Professor,
  - (i) the Director of Biometric Services or a full-time permanent member of the academic staff in Biometry nominated biennially by that Director,
  - (j) not more than three persons distinguished in the field of Veterinary Science appointed by the Senate on the nomination of the Dean of the Faculty of Veterinary Science with the approval of the Faculty, and
  - (k) the short-term Senior Lecturers and the short-term Lecturers in the Departments of Veterinary Anatomy, Veterinary Clinical Studies, Veterinary Pathology, Veterinary Physiology and Animal Husbandry.
- (2) A person appointed pursuant to subsection (1) (j) shall be appointed for a period of three years and shall be eligible for reappointment for one further period of three years.

### BOARD OF POSTGRADUATE STUDIES

Pursuant to section 13 of Chapter VIII of the By-laws, the Faculty appoints a Board of Postgraduate Studies, the constitution of which will be as set out for the Board of Examiners.

### DEFERRED EXAMINATIONS FOR FIFTH YEAR STUDENTS

Students who fail in the Final Examination at the end of Michaelmas term after the completion of the Fifth Year may be allowed to present themselves for re-examination during the Lent term following.

At the meeting of the Board of Examiners held following the Annual Examinations, a decision shall be made whether or not to permit such students to attempt the deferred examinations in February.

It is recommended as a guide for the Board of Examiners that the holding of deferred examinations in Lent term be confined to students who fail (x) in one or both of the subjects of Veterinary Medicine II and Veterinary Surgery II.

These students should not be permitted to sit for deferred examinations in both February and Lent term.

Deferred examinations in up to two of the following subjects may be sat in February: Animal Production, Veterinary Public Health, State Veterinary Medicine, Veterinary Clinical Pathology I.

If the student also has a deferred examination in Veterinary Medicine II or Veterinary Surgery II, then all examinations must be sat in Lent term.

# Faculty of Agriculture

## BY-LAWS CHAPTER XVII

1. The Faculty of Agriculture shall be constituted as follows:

- (a) the Professors, Readers, Associate Professors, Directors, Senior Lecturers, Lecturers and Senior Tutors being full-time permanent or full-time temporary members of the teaching staff in the Departments of Agricultural Genetics and Biometry, Agricultural Chemistry, Agricultural Economics, Microbiology, Agronomy and Horticultural Science, Animal Husbandry, Soil Science and Plant Pathology and Agricultural Entomology,
- (b) two members of the teaching staff in the categories specified in subsection (a) in each of the Schools of Biological Sciences, Chemistry and Physics and the Departments of Econometrics, Economics, Education, Government and Public Administration, Pure Mathematics, Veterinary Anatomy and Veterinary Physiology, nominated annually by the Head of the Department or School concerned,
- (c) two members of the teaching staff of the Sydney Institute of Education, an institute of the Sydney College of Advanced Education, nominated annually by the Principal of the Sydney College of Advanced Education,
- (d) the Deans of the Faculties of Science, Veterinary Science and Economics,
- (e) the Director of the University Farms and the Director of the I. A. Watson Wheat Research Centre,
- (f) not more than three persons distinguished in the field of agriculture appointed biennially by the Senate on the nomination of the Dean of the Faculty of Agriculture with the approval of the Faculty,
- (g) not more than four students elected in the manner prescribed by resolution of the Senate.<sup>1</sup>

2. The degrees and diplomas in the Faculty of Agriculture shall be as follows:

- (a) Bachelor of Agriculture  
(B.Sc.Agr.),

- (b) Bachelor of Agricultural Economics  
(B.Agr.Ec.),
- (c) Master of Agriculture (M.Agr.),
- (d) Master of Science in Agriculture  
(M.Sc.Agr.),
- (e) Master of Agricultural Economics  
(M.Agr.Ec.),
- (f) Doctor of Philosophy (Ph.D.),
- (g) Doctor of Science in Agriculture  
(D.Sc.Agr.),
- (h) Diploma in Agricultural Chemistry  
(Dip.Agr.Chem.),
- (i) Diploma in Agricultural Economics  
(Dip.Agr.Ec.),
- (j) Diploma in Agricultural Entomology  
(Dip.Agr.Ent.),
- (k) Diploma in Agricultural Extension  
(Dip.Agr.Ext.),
- (l) Diploma in Agricultural Genetics  
(Dip.Agr.Gen.),
- (m) Diploma in Microbiology (Dip.Micro.),
- (n) Diploma in Agricultural Science  
(Dip.Agr.Sc.),
- (o) Diploma in Animal Husbandry  
(Dip.An.Hus.),
- (p) Diploma in Biometry (Dip.Biom.),
- (q) Diploma in Dairy Husbandry  
(Dip.D.Hus.),
- (r) Diploma in Horticultural Science  
(Dip.Hort.Sc.),
- (s) Diploma in Plant Pathology (Dip.Pl.Path.),
- (t) Diploma in Poultry Husbandry  
(Dip.P.Hus.),
- (u) Diploma in Soil Science (Dip.SoilSc.),
- (v) Diploma in Tropical Agronomy  
(Dip.Trop.Agron.)

## BACHELOR OF SCIENCE IN AGRICULTURE

3. A candidate for the degree of Bachelor of Science in Agriculture shall, subsequent to matriculation, complete such requirements for the degree as may be prescribed by the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

## BACHELOR OF AGRICULTURAL ECONOMICS

4. A candidate for the degree of Bachelor of Agricultural Economics shall, subsequent to matriculation, complete the requirements for the degree as may be prescribed by the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

## MASTER OF SCIENCE IN AGRICULTURE

5. A candidate for the degree of Master of Science in Agriculture shall complete the requirements for the degree as prescribed by resolution of the Senate on the recommendation of the Academic board and of the Faculty.<sup>1</sup>

## MASTER OF AGRICULTURAL ECONOMICS

6. A candidate for the degree of Master of Agricultural Economics shall complete the requirements for the degree as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

## MASTER OF AGRICULTURE

7. A candidate for the degree of Master of Agriculture shall complete the requirements for the degree as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

<sup>1</sup> See Senate Resolutions following Chapter VIII.

<sup>1</sup> See Senate Resolutions this chapter.

## DIPLOMAS

8. A candidate for a diploma shall complete the requirements for the diploma as prescribed by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

## DOCTOR OF PHILOSOPHY

9. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXD.

## DOCTOR OF SCIENCE IN AGRICULTURE

10. The degree of Doctor of Science in Agriculture shall not be conferred except as prescribed in Chapter XIXB.

## RESOLUTIONS OF THE SENATE

### BACHELOR OF SCIENCE IN AGRICULTURE<sup>2</sup>

In accordance with section 3 of Chapter XVII of the By-laws, the Senate has prescribed the following resolutions for the degree of Bachelor of Science in Agriculture:

1. A candidate for the degree shall, during the First Year, complete the courses in one of the following courses:

- Mathematics (Agriculture)
- Agricultural Physics
- Agriculture in the Economy
- Biology
- Chemistry
- Crop Botany

2. A candidate for the degree shall, during the Second Year, complete the following groups:

#### Group A:

- Agricultural Chemistry I
- Animal Science
- Biometry I
- Crop Science
- Soil Science I

#### Group C:

- Agricultural Chemistry (Animal Husbandry)
- Agronomy C I
- Animal Anatomy
- Animal Husbandry I
- Animal Physiology
- Biometry I
- Soil Science I

3. A candidate for the degree shall, during the Third Year, complete the courses in one of the following groups:

#### Group A1:

Provided that the candidate has completed the courses in Group A in the Second Year—

- Agricultural Chemistry IIA
- Agricultural Entomology
- Agricultural Extension
- Agricultural Microbiology I
- Genetics
- Plant Pathology
- Principles of Agricultural Economics

together with courses chosen from the following list, such courses to have a total value of 5 units (as set out in Resolution 9)—

- Agricultural Microbiology II
- Agronomy (Pasture Plants)
- Agronomy III
- Farm Management
- Horticulture

- Plant Pathology (Clinical)
- Plant Protection
- Soil Science II

#### Group A2:

Provided that the candidate has completed the courses in Group A in the Second Year—

- Agricultural Entomology
- Agricultural Extension
- Agricultural Microbiology I
- Biometry II
- Genetics
- Plant Pathology
- Principles of Agricultural Economics

together with courses chosen from the following list, such courses to have a total value of 6 units (as set out in Resolution 9)—

- Agricultural Microbiology II
- Agronomy (Pasture Plants)
- Agronomy III
- Farm Management
- Horticulture
- Plant Pathology (Clinical)
- Plant Protection
- Soil Science II
- Computing Techniques in Agriculture

#### Group A3:

Provided that the candidate has completed the courses in Group A in the Second Year—

- Agricultural Chemistry II
- Agricultural Entomology
- Agricultural Microbiology I
- Genetics
- Plant Pathology

together with courses chosen from the following list, such courses to have a total value of 3 units (as set out in Resolution 9)—

- Agricultural Extension
- Agricultural Microbiology II
- Agronomy (Pasture Plants)
- Agronomy III
- Horticulture
- Plant Pathology (Clinical)
- Plant Protection
- Soil Science II

#### Group C:

Provided that the candidate has completed the courses in Group C in the Second Year—

- Agricultural Entomology
- Agricultural Extension I
- Agricultural Microbiology I
- Agronomy C II
- Animal Husbandry II
- Biometry II
- Farm Management
- Genetics
- Principles of Agricultural Economics

4. (1) Notwithstanding the provisions of Resolutions 1, 2 and 3, a candidate who has completed a course prescribed in one of those Resolutions may be granted exemption by the Faculty from taking the course of instruction and examination in such course again.

(2) A candidate who has not completed all courses in the First or the Second Year may be permitted by the Faculty to take one or more courses from the next year, provided that the total unit load should not normally exceed 24 units.

(3) A candidate in the Third Year may be granted permission by the Faculty to take one or more of the Fourth Year courses authorised by Faculty Resolution, provided that the candidate's complete Fourth Year course of study is approved by

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<sup>1</sup> See Senate Resolutions this chapter.

<sup>2</sup> Note that the former Group B courses are from 1981 provided for by the degree of Bachelor of Agricultural Economics.

the Head of Department or Section who will supervise the candidate's work in the Fourth Year.

(4) A candidate who has not completed all courses in the Third Year may, in circumstances approved by the Faculty, be granted permission to enrol in the Fourth Year together with the remaining course or courses of the Third Year.

(5) A candidate who has completed all courses but one in the First, Second or Third Year examinations may be awarded a concessional pass by the Faculty in the failed course and allowed to proceed to the next higher year. The award of a concessional pass will be subject to Faculty Resolution and granted only in cases where the student has attained a standard of performance satisfactory to the Faculty.

5. (1) Except as provided in subsection (3) a candidate for the degree shall, during the Fourth Year, complete the prescribed courses in one of the following subjects:

- I Agricultural Chemistry
- II Agricultural Economics
- III Agricultural Education
- IV Agricultural Entomology
- V Agricultural Extension
- VI Agricultural Genetics
- VII Agricultural Microbiology
- VIII Agronomy
- IX Animal Husbandry
- X Biometry
- XI General Agriculture
- XII Horticulture
- XIII Plant Pathology
- XIV Soil Science

- (2) Except as provided in subsection (3)—

- (a) a candidate who has completed the courses in Group A1 in the Third Year shall take one of the subjects numbered I to VIII or XI to XIV;
- (b) a candidate who has completed the courses in Group A2 in the Third Year shall take one of the subjects numbered II or III or V or VII or VIII or X to XIV;
- (c) a candidate who has completed the courses in Group A3 in the Third Year shall take one of the subjects numbered I or III or IV or VI to VIII or XI to XIV;
- (d) a candidate who has completed the courses in Group C in the Third Year shall take one of the subjects numbered II or III or V to VII or IX to XI.

- (3) A candidate may, with the approval of the Dean, take a composite course from the subjects specified in subsection (1).

6. Honours may be awarded at graduation. Except with the special permission of the Faculty, Honours shall not be awarded to any candidate unless the candidate has completed the course in the minimum time possible under these resolutions. Candidates for Honours may be required to present themselves for a special examination at the Annual Examinations.

There shall be two classes of Honours.

There shall be no re-examination for Honours.

A candidate graduating with First Class Honours and showing sufficient merit shall receive a bronze medal.

7. (1) A candidate shall not be admitted to the degree unless the candidate shall produce a certificate from the Dean of the Faculty that the candidate is of twelve terms standing and that the candidate has completed all the courses required by these Resolutions and has satisfactorily com-

plied with all the other conditions required since the candidate's admission to the University.

(2) The degree of Bachelor of Science in Agriculture shall not be conferred upon a person holding the degree of Bachelor of Agriculture.

8. Before admission to the degree, a candidate shall complete eighteen weeks of practical work in Agriculture as prescribed from time to time by the Faculty.

9. The unit values of the courses listed in Resolutions 1, 2 and 3 are set out in the following table:

	<i>Unit value</i>
Agricultural Chemistry I	8
Agricultural Chemistry II	9
Agricultural Chemistry IIa	3
Agricultural Chemistry (Animal Husbandry)	6
Agricultural Entomology	3
Agricultural Extension	1
Agricultural Microbiology I	3
Agricultural Microbiology II	1
Agricultural Physics	6
Agriculture in the Economy	1
Agronomy B	3
Agronomy C I	1
Agronomy C II	2
Agronomy III	2
Agronomy (Pasture Plants)	1
Animal Anatomy	3
Animal Husbandry I	2
Animal Husbandry II	5
Animal Nutrition	3
Animal Physiology	6
Animal Reproduction	3
Animal Science	3
Biology	6
Biometry I	3
Biometry II	2
Chemistry	6
Computing Techniques in Agriculture	2
Crop Botany	3
Crop Science	7
Farm Management	2
Genetics	3
Horticulture	1
Mathematics (Agriculture)	2
Plant Pathology	3
Plant Pathology (Clinical)	1
Plant Protection	1
Principles of Agricultural Economics	3
Soil Science I	3
Soil Science II	3

10. A candidate who presents for re-examination in any subject shall not be eligible for any prize or scholarship awarded in connection with such examination.

11. (1) A course for the degree shall consist of lectures together with such tutorial instruction, theses, essays, exercises or practical work as may be prescribed.

(2) In these resolutions 'to complete a course' and derivative expressions mean:

- (a) to attend the lectures and the meetings, if any, for tutorial instruction;
- (b) to complete satisfactorily the essays, exercises and practical work, if any; and
- (c) to pass any required examinations of the course.

(3) A candidate who re-enrols in a course which the candidate has previously failed to complete shall, unless exempted by the Faculty, attend all lectures and other classes and complete all written and other work prescribed for the course.

(4) A candidate in the Third Year who has enrolled in the courses in Groups A1, A2 or A3 may choose any of the elective courses in the Group for which there is no prerequisite course or for which the prerequisite has been completed, provided that the exigencies of the timetable permit the taking of the courses chosen by the candidate.

12. A candidate for the degree of Bachelor of Science in Agriculture who commenced candidature before 1 January 1981 may complete candidature in accordance with the By-laws in force at the commencement of such candidature provided that the requirements are completed by 31 December 1986 or such later date as the Dean may in any case determine.

## BACHELOR OF AGRICULTURAL ECONOMICS

In accordance with section 4 of Chapter XVII of the By-laws, the Senate has prescribed the following resolutions for the degree of Bachelor of Agricultural Economics:

1. A candidate for the degree shall, during the First Year, complete the following courses:

Agricultural Economics I  
Econometrics I  
Economics I  
and one of  
Accounting I  
Biology  
Government I  
Law I  
The Australian Economy

2. A candidate for the degree shall, during the Second Year, complete the following courses:

Agricultural Economics II  
Economics II  
and a minimum of 6 units from  
Accounting I  
Accounting II  
Animal Science  
Crop Botany  
Econometrics II  
Government I  
Government II

3. A candidate for the degree shall, during the Third Year, complete the following courses:

Agricultural Economics III  
Economics III  
Research Methods in Agricultural Economics  
and a minimum of 6 units from  
Accounting I  
Accounting II  
Agronomy B  
Animal Science

Any Short Course in  
Economic History  
Any Short Course in  
Government

} as listed in Table C  
annexed to the  
Resolutions of the Faculty  
of Economics for the  
degrees of Bachelor of  
Economics and Bachelor  
of Economics (Social  
Sciences)

Econometrics II  
Econometrics III  
Economics III Additional  
Economics III Supplementary  
Government II  
Government III  
Operations Research

Courses for the degree of Bachelor of Science in Agriculture with the approval of the Head of the

Department of Agricultural Economics and the Head of the Department concerned.

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4. (1) Notwithstanding the provisions of Resolutions 1, 2 and 3, a candidate who has completed a course prescribed in one of those Resolutions may be granted exemption by the Faculty from taking the course of instruction and examination in such course again.

(2) A candidate who has not completed all courses in the First or the Second Year may be permitted by the Faculty to take one or more courses from the next year, provided that the total unit load should not normally exceed 24 units.

(3) A candidate in the Third Year may be granted permission by the Faculty to take one or more of the Fourth Year courses authorised by Faculty Resolution, provided that the candidate's complete Fourth Year course of study is approved by the Head of the Department of Agricultural Economics, who will supervise the candidate's work in the Fourth Year.

(4) A candidate who has not completed all courses in the Third Year may, in circumstances approved by the Faculty, be granted permission to enrol in the Fourth Year together with the remaining course or courses of the Third Year.

(5) A candidate may count no more than 2 of the following subjects toward the degree: Accounting I, Biology, Government I, Law I and The Australian Economy.

(6) A candidate who has completed all courses but one in the First, Second or Third Year examinations may be awarded a concessional pass by the Faculty in the failed course and allowed to proceed to the next higher year. The award of a concessional pass will be subject to Faculty Resolution and granted only in cases where the student has attained a standard of performance satisfactory to the Faculty.

5. A candidate for the degree shall, during the Fourth Year, complete the prescribed topics in the course Agricultural Economics IV.

6. Honours may be awarded at graduation.

(1) Except with the special permission of the Faculty, Honours shall not be awarded to any candidate unless the candidate has completed the course in the minimum time possible under these resolutions.

(2) Candidates for Honours may be required to present themselves for a special examination at the Annual Examinations.

(3) There shall be two classes of Honours.

(4) There shall be no re-examination for Honours.

(5) A candidate graduating with First Class Honours and showing sufficient merit shall receive a bronze medal.

7. A candidate shall not be admitted to the degree unless the candidate shall produce a certificate from the Dean of the Faculty that the candidate is of twelve terms' standing and that the candidate has completed all the courses required by these Resolutions and has satisfactorily complied with all the other conditions required since the candidate's admission to the University.

8. Before admission to the degree, a candidate shall complete eighteen weeks of practical work in Agriculture as prescribed from time to time by the Faculty.

9. The unit values of the courses listed in Resolutions 1, 2, 3 and 5 are set out in the following table:

	<i>Unit value</i>
Accounting I	6
Accounting II	8
Agricultural Economics I	6
Agricultural Economics II	8
Agricultural Economics III	8
Agricultural Economics IV	26
Agronomy B	3
Animal Science	3
Any Short Course in Economic History	4
Any Short Course in Government	4
Biology	6
Crop Botany	3
Economics I	6
Economics II	8
Economics III	8
Economics III Additional	8
Economics III Supplementary	4
Econometrics I	6
Econometrics II	8
Econometrics III	8
Government I	6
Government II	8
Government III	8
Law I	6
Operations Research	8
Research Methods in Agricultural Economics	4
The Australian Economy	6

10. A candidate who presents for re-examination in any subject shall not be eligible for any prize or scholarship awarded in connection with such examination.

11. (1) A course for the degree shall consist of lectures together with such tutorial instruction, theses, essays, exercises or practical work as may be prescribed.

(2) In these resolutions 'to complete a course' and derivative expressions mean:

- (a) to attend the lectures and the meetings, if any, for tutorial instruction;
- (b) to complete satisfactorily the essays, exercises and practical work, if any; and
- (c) to pass any required examinations of the course.

(3) A candidate who re-enrols in a course which the candidate has previously failed to complete shall, unless exempted by the Faculty, attend all lectures and other classes and complete all written and other work prescribed for the course.

12. Notwithstanding any other provisions of the By-laws or Resolutions of the Senate, a person who commenced candidature for the degree of Bachelor of Science in Agriculture prior to 1 January 1981 and who has not completed the requirements for that degree by that date may be admitted to candidature for the degree of Bachelor of Agricultural Economics with such credit for courses previously completed as the Faculty may determine and shall complete such courses for the degree of Bachelor of Agricultural Economics as the Faculty may require.

#### *Transitional Provisions*

13. (1) Except as provided in Resolution 14, a candidate who was enrolled as a candidate for the degree prior to 1 January 1987 shall complete the requirements for the degree in accordance with the Resolutions in force at that time.

(2) Such a candidate who does not complete the requirements by 31 December 1990, or such later date as the Dean may in any case determine, shall complete such requirements for the degree under

such conditions as the Faculty may in any case decide.

14. A candidate who was enrolled as a candidate for the degree prior to 1 January 1987 may apply to the Faculty for permission to complete the requirements in accordance with the above Resolutions, in which case the candidate shall be granted credit for such courses completed prior to 1 January 1987 as the Faculty may in any case decide.

#### **MASTER OF SCIENCE IN AGRICULTURE**

In accordance with Chapter XVII, section 5, the Senate has prescribed the following resolutions for the degree of Master of Science in Agriculture:

1. (1) An applicant for admission as a candidate for the degree of Master of Science in Agriculture shall, except as provided in Chapter XXVIA of these By-laws, be a graduate of the University of Sydney.

(2) A graduate in a Faculty other than the Faculty of Agriculture may be admitted only with the special permission of the Faculty.

2. (1) After admission by the Faculty a candidate shall—

- (a) subject to the provisions of subsection (2), pass a preliminary examination;
- (b) apply for the approval of the Faculty of a course of study and research;
- (c) not less than one year after passing the preliminary examination nor less than one year after approval of a course of study and research, lodge a thesis embodying the results of an original investigation by him; and
- (d) if required by the examiners, sit for an examination in the branch or branches of Agriculture to which the course of study and research relates.

(2) (a) A candidate will not be admitted to the preliminary examination until he is a graduate of one year's standing. Except with the permission of the Faculty, a candidate shall present himself for a preliminary examination not later than three years after admission to candidature.

(b) A candidate who is a Bachelor in a Faculty other than the Faculty of Agriculture may be exempted by the Faculty from the preliminary examination.

(c) A candidate who is a Bachelor of Science in Agriculture with First or Second Class Honours or who is a Bachelor of Science in Agriculture and has obtained High Distinction, Distinction or Credit in the Fourth Year course in the field in which he is proceeding, may be exempted by the Faculty from the preliminary examination.

(d) A candidate shall, unless special permission is granted by the Faculty, complete the requirements for the degree in the case of a full-time student not later than three years and in the case of a part-time student not later than five years after completion of any preliminary examination or after approval of a course of study and research.

3. A graduate of another University, admitted to candidature in accordance with Chapter XXVIA of these By-laws, shall engage within the University of Sydney either full-time for at least one year or part-time for at least two years in research work as may be



required by the Faculty on the recommendation of the Head of the appropriate Department. Further, the Faculty may permit such candidate to complete the investigation elsewhere, if he has spent one year in the University of Sydney.

4. (1) The Faculty shall appoint a member of the staff of the University to act as adviser to the candidate, or in the case of a full-time candidate, a supervisor.

(2) The Faculty may also appoint a member of staff, an Honorary Associate, or a person similarly qualified in another University or appropriate institution or organisation to act as an associate supervisor or associate adviser as the case may be.

5. (1) A candidate shall lodge with the Registrar three copies (printed or typewritten) of his thesis. He shall state in his thesis generally in a preface and specifically in notes, the sources from which his information was derived, the extent to which he has availed himself of the work of others, and the portion of the thesis which he claims as original.

(2) The thesis shall be accompanied by a certificate from the adviser or supervisor stating whether, in his opinion, the form of presentation of the thesis is satisfactory.

6. The Faculty shall appoint at least two examiners.

7. The degree is not conferred in the case of a Bachelor of Science in Agriculture who has been exempted from the preliminary examination until the candidate is a graduate of one year's standing, and in the case of a Bachelor of Agriculture, until he is a graduate of three years' standing, and in the case of any other candidate, until he is a graduate of two years' standing.

8. The Faculty may deem time spent or work done towards the degree of Doctor of Philosophy by a candidate before his admission to candidature to be time spent or work done after admission, provided the candidate has ceased to be a candidate for the degree of Doctor of Philosophy.

9. (1) A candidate may be accepted on a probationary basis for a period not exceeding twelve months and, on completion of this probationary period, the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate his candidature.

(2) In the case of a candidate accepted on a probationary period under subsection (1) his candidature shall be deemed to have commenced from the date of such acceptance.

## MASTER OF AGRICULTURAL ECONOMICS

In accordance with section 6 of Chapter XVII of the By-laws, the Senate has prescribed the following resolutions for the degree of Master of Agricultural Economics:

1. (1) An applicant for admission as a candidate for the degree of Master of Agricultural Economics shall, except as provided in Chapter XXVIA of these By-laws, be a graduate of the University of Sydney.

(2) A graduate in a Faculty other than the Faculty of Agriculture may be admitted only with the special permission of the Faculty.

2. (1) After admission by the Faculty a candidate shall—

(a) subject to the provisions of subsection (2), pass a preliminary examination;

(b) apply for the approval of the Faculty of a course of study and research;

(c) not less than one year after passing the preliminary examination nor less than one year after approval of a course of study and research, lodge a thesis embodying the results of an original investigation by him; and

(d) if required by the examiners, sit for an examination in the branch or branches of Agriculture to which the course of study and research relates.

(2) (a) A candidate will not be admitted to the preliminary examination until he is a graduate of one year's standing. Except with the permission of the Faculty, a candidate shall present himself for a preliminary examination not later than three years after admission to candidature.

(b) A candidate who is a Bachelor in a Faculty other than the Faculty of Agriculture may be exempted by the Faculty from the preliminary examination.

(c) A candidate who is a Bachelor of Agricultural Economics or Bachelor of Science in Agriculture with First or Second Class Honours or who is a Bachelor of Agricultural Economics or Bachelor of Science in Agriculture and has obtained High Distinction, Distinction or Credit in the Fourth Year course in the field in which he is proceeding, may be exempted by the Faculty from the preliminary examination.

(d) A candidate shall, unless special permission is granted by the Faculty, complete the requirements for the degree in the case of a full-time student not later than three years and in the case of a part-time student not later than five years after completion of any preliminary examination or after approval of a course of study and research.

3. A graduate of another university, admitted to candidature in accordance with Chapter XXVIA of these By-laws, shall engage within the University of Sydney either full time for at least one year or part time for at least two years in such research work as may be required by the Faculty on the recommendation of the Head of the appropriate Department. Further, the Faculty may permit such a candidate to complete the investigation elsewhere, if the candidate has spent one year in the University of Sydney.

4. (1) The Faculty shall appoint a member of the staff of the University to act as adviser to the candidate, or in the case of a full-time candidate, a supervisor.

(2) The Faculty may also appoint a member of staff, an Honorary Associate, or a person similarly qualified in another University or appropriate institution or organisation to act as an associate supervisor or associate adviser as the case may be.

5. (1) A candidate shall lodge with the Registrar three copies (printed or typewritten) of the thesis. The candidate shall state in the thesis generally in a preface and specifically in notes, the sources from which the information was derived, the extent to which the candidate has made use of the work of others, and the portion of the thesis which is claimed as original.

(2) The thesis shall be accompanied by a certificate from the adviser or supervisor stating whether, in the opinion of the adviser or super-

visor, the form of presentation of the thesis is satisfactory.

6. The Faculty shall appoint at least two examiners.
7. The degree is not conferred in the case of a Bachelor of Science in Agriculture or Bachelor of Agricultural Economics who has been exempted from the preliminary examination until the candidate is a graduate of one year's standing, and in the case of a Bachelor of Agriculture, until a graduate of three years' standing, and in the case of any other candidate, until a graduate of two years' standing.
8. The Faculty may deem time spent or work done towards the degree of Doctor of Philosophy by a candidate before admission to candidature for the degree to be time spent or work done after such admission, provided the candidate has ceased to be a candidate for the degree of Doctor of Philosophy.
9. (1) A candidate may be accepted on a probationary basis for a period of not exceeding twelve months and, on completion of this probationary period, the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.  
(2) In the case of a candidate accepted on a probationary period under subsection (1) the candidature shall be deemed to have commenced from the date of such acceptance.

#### MASTER OF AGRICULTURE

In accordance with Chapter XVII, section 7, the Senate has prescribed the following resolutions for the degree of Master of Agriculture:

1. An applicant for admission as a candidate for the degree of Master of Agriculture shall—
  - (a) except as provided in Chapter XXVIA of the By-laws, be a graduate of the University of Sydney;
  - (b) have completed courses acceptable to the Faculty; and
  - (c) apply in writing to the Registrar for admission to candidature.
2. (1) An applicant may be admitted to candidature on a probationary basis for a period not exceeding twelve months and at the end of the probationary period the Faculty shall review the work of the candidate and shall either confirm his status or terminate his candidature.  
(2) A candidate whose status is confirmed in accordance with subsection (1) shall be deemed to have commenced his candidature from the date of his admission on a probationary basis.
3. (1) A candidate shall engage full-time within the University of Sydney for at least three consecutive terms and unless special permission is granted by the Faculty for not more than two years in a course of advanced study in some branch of agricultural science approved by the Head of the Department concerned.  
(2) A candidate shall—
  - (a) attend such lectures and seminars and other meetings as may be prescribed by the Head of the Department concerned;
  - (b) pass an examination or examinations upon the subjects of such course of advanced study;
  - (c) carry out a project in a field of study approved by the Head of the Department concerned and submit to the Registrar three copies (printed or typewritten) of his thesis based on that project.

(3) A candidate shall not present as his thesis any work previously submitted for a degree at this or any other University.

(4) A candidate who has spent at least one year in the University of Sydney may be permitted by the Faculty to carry out elsewhere all or part of the project referred to in subsection (2) (c).

4. The Head of the Department shall report to the Faculty in respect of each candidate the thesis subject approved and the name of the full-time member of the University staff he has appointed to act as supervisor of the candidate.

5. The Faculty shall appoint at least two examiners of the thesis, of whom one may be an external examiner. The examiners shall report to the Faculty, which shall determine the result of the examination for the degree.

6. The Faculty may deem time spent or work towards any other postgraduate degree or diploma in the Faculty by the candidate before his admission to candidature for the degree of Master of Agriculture to be time spent or work done after admission, provided the candidate has ceased to be a candidate for the other degree or diploma.

#### DIPLOMAS

In accordance with Chapter XVII, section 8, the Senate has prescribed the following resolutions for diplomas:

1. (1) Before beginning a course of study for a Diploma a candidate shall either—
  - (a) (i) except as provided in subsection (2) be a graduate of the University of Sydney; and
  - (ii) have completed courses acceptable to the Faculty of Agriculture, or
  - (b) (i) be a graduate of a University other than the University of Sydney, or
  - (ii) be a person with qualifications obtained in an institution other than a university; and
  - (iii) be deemed by the faculty and the Academic Board to have qualifications equivalent to those required of a graduate of the University of Sydney for admission to such candidature.  
(2) A graduate of another university who has completed courses acceptable to the Faculty may be admitted as a candidate by the Academic Board on the recommendation of the Faculty.
2. (1) A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding three terms and upon completion of this probationary period, the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate his candidature. Following confirmation of his candidature the candidate shall complete at least one term of full-time study within the University.  
(2) In the case of a candidate accepted on a probationary period under subsection (1) his candidature shall be deemed to have commenced from the date of such acceptance.
3. A candidate shall—
  - (a) for a period of not less than three consecutive terms follow as a full-time student such course of studies as the Head of the Department concerned prescribes provided that the Faculty may, on the recommendation of the Head of the Department concerned, permit a candidate to proceed as a part-time student

for a period of not less than six consecutive terms;

- (b) pass an examination or examinations upon the subject of such course of studies;
- (c) within such period after such examination as the Faculty prescribes, submit two copies (printed or typewritten) of a thesis on a topic approved by the Head of the Department.

4. The Head of Department shall—

- (a) appoint at least one examiner of the thesis and shall notify the Faculty of the topic of the thesis and the name of the examiner or examiners;
- (b) report the results of the examination or examinations in the course of study and of the examination of the thesis to the Faculty, which shall determine the result of the examination for the diploma.

5. The Faculty may deem time spent or work towards any postgraduate degree in the Faculty by the candidate before his admission to candidature for a Diploma, to be time spent or work done after admission, provided that the candidate has ceased to be a candidate for the degree.

6. The Faculty may, on the recommendation of the Head of Department concerned, terminate the candidature of any candidate who, in the opinion of the Faculty, has not shown evidence of sufficient progress towards the Diploma.

## RESOLUTIONS OF THE FACULTY BACHELOR OF SCIENCE IN AGRICULTURE

### Pass by courses

Having passed a course in any year students will not be required to repeat that course. Courses failed must be repeated. The student will be permitted to progress to courses in the next higher year, provided he has completed the prerequisites for the courses he wishes to take in addition to those courses he is repeating.

Except as provided in section 4 (3) of the Resolutions of the Senate, all Third Year courses must be completed before a student is permitted to enrol in Fourth Year.

Students taking any course in the Faculty shall attend all lectures, practical classes, tutorials, seminars, and excursions as specified for that course. A timetable clash between courses cannot be considered as a reason for non-attendance.

### SUPPLEMENTARY EXAMINATIONS

Supplementary examinations may be granted to students who have:

- (a) been prevented by duly certified illness or misadventure from sitting or completing an examination; or
- (b) failed in any examination, but whose work is deemed to be of sufficient merit to warrant a further test.

### Award of supplementary examinations

Where a candidate fails to secure 50% in one or more courses the Faculty shall reserve the right to award supplementary examinations.

- (a) Normally such awards shall be subject to the following restrictions;
  - (i) No candidate shall be awarded a supplementary examination in any course in which less than 40% was secured;
  - (ii) Supplementary examinations shall only be awarded to a candidate who has

passed 50% or more of the units attempted at the annual examinations;

- (iii) A candidate attempting a course for the second time at the annual examinations, who fails to pass in that course, shall not be eligible for the award of supplementary examinations.

(For students coming within this rule who have achieved a Weighted Average Mark (WAM) greater than 50 or who have failed in only one course, each case will be considered on its merits.)

- (b) In cases of misadventure or duly certified illness the Board of Examiners shall determine each case individually on its merits.

A candidate awarded supplementary examinations under this rule will normally be permitted to count the supplementary examinations as annual examinations and they will be entered as annual examinations on the academic record.

### Concessional passes

The Faculty reserves the right to award a concessional pass to candidates at the December examinations.

A candidate awarded a concessional pass at the December Board of Examiners' Meeting may attempt to upgrade the result to a pass at the supplementary examinations, but a concessional pass is deemed to fulfil any requirements necessary for the student to continue in the degree course unhindered.

### Award of concessional passes

The following conditions shall normally guide the Board of Examiners in the award of a concessional Pass:

- (a) A candidate's performance in all other courses attempted shall be considered by the Board of Examiners.
- (b) To be eligible for a concessional pass a candidate shall have
  - (i) obtained a weighted average mark of at least 52% at the first attempt at First Year courses, and in subsequent examinations a weighted average mark of at least 55%;
  - (ii) been examined in at least 18 units of coursework;
  - (iii) only one course which has a contributing mark between 49% and 45% (inclusive);
  - (iv) no course with a mark of less than 45%.
- (c) Students taking the Fourth Year examination shall not be eligible for the award of a concessional pass.
- (d) A candidate will not be awarded both the right to sit a supplementary examination in one subject and a concessional pass in another subject concurrently.
- (e) A candidate who is attempting a course for the second time at the annual examinations shall not be eligible for the award of a concessional pass in that course.

Having awarded a concessional pass to a candidate, the Faculty shall not alter the mark awarded to the candidate by a Department. This mark shall be entered in the Candidate's record and recorded as a concessional pass on the academic record.

### Conduct of examinations

- (1) The examiners in the subjects of the Faculty shall constitute a Board of Examiners, as a committee of the Faculty.

(2) The Board of Examiners shall decide whether a student who has failed in one or more subjects shall be entitled to a supplementary examination in those subjects.

#### **Practical work**

Pursuant to Resolution 8 of the Resolutions of the Senate relating to the degree of Bachelor of Science in Agriculture and Resolution 8 of the Resolutions of the Senate relating to the degree of Bachelor of Agricultural Economics, the Faculty of Agriculture has prescribed the following regulations relating to practical work:

1. Before admission to the degree, a candidate must complete eighteen weeks of practical work in accordance with these regulations.
2. The 18 weeks shall be divided into two sections: Section 1 (twelve weeks) to consist of on-farm practical work carried out on commercial properties, and Section 2 (6 weeks) to consist of general assignments.
3. Section 1 shall be divided between a series of visits to commercial properties. These visits shall
  - (i) be to properties in at least two regions as defined by the Faculty from time to time,
  - (ii) include at least two separate properties, at least one of which shall be visited twice in different seasons, these two visits to total at least three weeks,
  - (iii) last a maximum of three weeks each, and
  - (iv) total not more than six weeks for any one property.
4. Section 2 shall consist of general assignments which may include professionally oriented work, work in research establishments, on University Farms, in other commercial operations, or in other areas of agriculture production, processing, or sales, as approved by the Dean.
5. Each practical work visit must be approved by the Dean *in advance*.
6. A report must be submitted to the Dean for each period of practical work undertaken. At least one of these must be a detailed report. There is no guarantee of acceptance of a report if prior approval under (5) has not been obtained.
7. Students normally should complete four weeks of Section 1 by the beginning of Second Year, eight by the beginning of Third Year and twelve by the beginning of Fourth Year. Except with the permission of the Dean, Section 2 may not be commenced until Section 1 has been completed.
8. Final year students wishing to graduate in March must complete all practical work requirements by 31 January.

#### **Fourth Year courses available to Third Year students in the degree of Bachelor of Science in Agriculture**

A candidate in Third Year may attend one or more of the following courses in fulfilment of section 4 (3) of the Resolutions of the Senate:

- Agricultural Economics (Agricultural Production Economics and Principles of Farm Management)
- Agricultural Economics (Agricultural Policy)
- Agricultural Economics (Agricultural Markets and Prices)
- Agricultural Entomology (Morphology and Taxonomy)
- Agricultural Genetics (Cytology and Cytogenetics)
- Agricultural Genetics (Plant Breeding)
- Agronomy (Pasture Plants)
- Agronomy (Weed Science)

- Agronomy (Crop Nutrition)
- Animal Husbandry (Animal Genetics)
- Biometry (Computing Techniques)
- Biometry (Matrix Algebra)
- Biometry (Biometrical Genetics)
- Biometry (Advanced Biometrical Methods)
- Biometry (Experimental Design)
- Biometry (Multivariate Analysis)
- Extension and Communication
- General Agriculture (Animal Production)
- General Agriculture (Plant Protection)
- Horticulture (Vegetable Crops)
- Horticulture (Fruit Crops)
- Horticulture (Nursery and Flower Crops)
- Horticulture (Landscape Horticulture)
- Horticulture (Plant Improvement)
- Soil Science (Physics)
- Soil Science (Chemistry)
- Soil Science (Methods)
- Applied Soil Science

Any course in another Faculty recommended by the Head of the Department or section, who will supervise the candidate's Fourth Year work, and approved by the Dean.

#### **Fourth Year course available to Third Year students in the degree of Bachelor of Agricultural Economics**

A candidate in Third Year may attend any course recommended by the Head of the Department of Agricultural Economics, and approved by the Dean, in fulfilment of Resolution 4 (3) of the Resolutions of the Senate.

#### **MASTER OF SCIENCE IN AGRICULTURE**

1. A candidate for the degree of Master of Science in Agriculture who holds the degree of Bachelor of Agriculture shall be required normally to attend the Fourth Year course of the degree of Bachelor of Science in Agriculture and to pass the examination.
2. A candidate who holds the degree of Bachelor of Science in Agriculture and who obtained High Distinction, Distinction or Credit in the Fourth Year subject in the field in which he or she is proceeding, may be exempted by the Faculty from the preliminary examination.
3. A candidate who completed the Fourth Year subject at the pass standard shall be required, not less than one year later, to pass the preliminary examination.
  - (a) Except with the permission of the Faculty such a candidate for the degree of Master of Science in Agriculture may not present himself or herself for a preliminary examination more than twice.
  - (b) The Faculty may grant exemption from attendance at all or part of the course for such a candidate.
  - (c) The Faculty may permit such a candidate to fulfil the course requirements at another university but the preliminary examination of the University of Sydney must be taken.

4. A candidate shall at the end of each year of prescribed work produce evidence of progress to the satisfaction of his or her supervisor / adviser and the Head of the Department concerned. A candidate who fails to produce such evidence may have his or her registration as a candidate for the degree cancelled by the Faculty on the recommendation of the Head of the Department concerned.

#### **MASTER OF AGRICULTURAL ECONOMICS**

1. A candidate for the degree of Master of Agricultural Economics, who obtains High Distinction, Dis-

tion or Credit in the Fourth Year subject Agricultural Economics or Agricultural Economics IV, may be exempted by the Faculty from the preliminary examination.

2. A candidate who completes the Fourth Year subject at the pass standard shall be required, not less than one year later, to pass the preliminary examination.

- (a) Except with the permission of the Faculty such a candidate for the degree of Master of Agricultural Economics may not present him or herself for a preliminary examination more than twice.
- (b) The Faculty may grant exemption from attendance at all or part of the course for such a candidate.
- (c) The Faculty may permit such a candidate to fulfil the course requirements at another university but the preliminary examination of the University of Sydney must be taken.

3. A candidate shall at the end of each year of prescribed work produce evidence of progress to the satisfaction of his or her supervisor / adviser and the Head of the Department of Agricultural Economics. A candidate who fails to produce such evidence may have his or her registration as a candidate for the degree cancelled by the Faculty on the recommendation of the Head of the Department of Agricultural Economics.

#### BOARD OF EXAMINERS

Pursuant to section 12 of Chapter VIII of the By-laws, the Faculty of Agriculture has resolved to appoint the following Board of Examiners:

All full-time permanent or full-time temporary members of the teaching staff of the Faculty together with the Professors of all or any subjects taught in the University for which a student of the Faculty of Agriculture is a candidate, or their nominees who are full-time members of the teaching staff.

#### BOARD OF POSTGRADUATE STUDIES

Pursuant to section 13 of Chapter VIII of the By-laws the Faculty appoints the following Board of Postgraduate Studies:

All members of the Faculty of Agriculture, except the elected student members.

#### PLANT BREEDING INSTITUTE WITHIN THE FACULTY OF AGRICULTURE

1. (1) There shall be an institute to be known as the Plant Breeding Institute within the Faculty of Agriculture.  
(2) The Institute shall advise the university on the promotion of the science of plant breeding and improvement in the genotypes of crop plants available for commercial cultivation.
2. (1) The governing body of the Institute shall be a Council comprising—
  - (a) the Vice-Chancellor and Principal, the Dean of the Faculty of Agriculture and the Professor of Plant Breeding;
  - (b) the New South Wales Minister for Agriculture or his representative;
  - (c) not more than six members of the New South Wales Wheat Research Foundation, so long as each member is and remains a Trustee of the Foundation appointed by the Senate on the recommendation of the Foundation;
  - (d) not more than four members of the full-time staff of the University appointed by the Senate on the recommendation of the Faculty of Agriculture.

(2) Each member shall hold office for a period of three years and shall be eligible for reappointment.

3. (1) The Council shall elect annually from amongst its members an honorary Chairman.  
(2) All questions which come before the Council shall be decided at any meeting duly convened, at which a quorum is present, by a majority of the votes of the members present.  
(3) The Chairman at any such meeting shall have one vote.  
(4) At any such meeting eight members shall form a quorum.
4. (1) The Professor of Plant Breeding shall be honorary Director of the Institute.  
(2) The Director shall be responsible for administering the following—
  - (a) the buildings, equipment, land and staff located at the I. A. Watson Wheat Research Centre, Narrabri;
  - (b) that part of the buildings, equipment, land and staff located at the Castle Hill Research Station, Castle Hill;
  - (c) the Genetics Section of the Department of Agricultural Genetics and Biometry within the University of Sydney.  
(3) The staff of the Institute shall carry out their duties under the direction of the Director.
5. The Director shall report to the Council biannually including in the second such report in each year an annual budget for the next ensuing year.
6. (1) The Council and its officers shall have such other powers, duties and functions as may be prescribed by resolution of the Senate provided that all acts of the Council and its officers shall be subject to the by-laws and to any direction which may be given by the Senate.  
(2) The Senate shall provide such administrative, technical and secretarial assistance as it considers proper for the Institute.

# Faculty of Economics

## BY-LAWS CHAPTER XVIII<sup>1</sup>

1. (1) The Faculty of Economics shall be constituted as follows:
  - (a) the Professors, Readers, Associate Professors, Senior Lecturers, Lecturers and Senior Tutors in the Departments of Accounting, Economic History, Econometrics, Economics, Government and Public Administration and Industrial Relations who are full-time permanent or full-time temporary members of the teaching staff of the University,
  - (b) the Dean of the Faculty of Arts or his representative,
  - (c) the Dean of the Faculty of Law or his representative,
  - (d) three members of the teaching staff in the categories specified in subsection (1) (a) of each of the Departments of Anthropology and Geography,
  - (e) two members of the teaching staff in the categories specified in subsection (1) (a) in each of the Department of Agricultural Economics and the School of Physics in the field of Computer Science,
  - (f) not more than two members of the Faculty of Arts appointed by that Faculty,
  - (g) not more than three persons being full-time Tutors or Teaching Fellows elected in the manner prescribed by resolution of the Senate,<sup>2</sup> and
  - (h) not more than five students elected in the manner prescribed by resolution of the Senate.<sup>3</sup>
- (2) The persons who immediately before 31st October, 1973, were members of the Faculty by reason of their being the two members of the Faculty of Arts appointed by that Faculty shall on and from that date until 31st December, 1975, be deemed to be appointed to the Faculty pursuant to subsection (1) (f) and shall be eligible for reappointment.

<sup>1</sup> The Senate has approved amendments to Chapter XVIII of the By-laws to amend the constitution of the Faculty of Economics, amend the requirements for the degree of Bachelor of Economics, and establish the degree of Bachelor of Economics (Social Sciences). The amendments await the approval of the Governor.

<sup>2</sup> See Senate Resolutions this chapter.

<sup>3</sup> See Senate Resolutions following Chapter VIII.

(3) The persons appointed pursuant to subsection (1) (d) and (1) (e) shall be nominated by the Head of the Department or School concerned, shall hold office for a period of two years from 1st January in the year following their appointment and shall be eligible for reappointment. The persons first appointed shall hold office until 31st December, 1976.

(4) The persons who immediately before 31st October, 1973, were members of the Faculty by reason of their being the three full-time Teaching Fellows or Tutors in the Department of Accounting, Economic History, Econometrics, Economics or Government and Public Administration elected to the Faculty in the manner prescribed by resolution of the Senate shall on and from that date and until the annual election of not more than three Teaching Fellows or Tutors in Lent Term, 1974, be deemed to be elected to the Faculty pursuant to subsection (1) (g).

(5) The persons who immediately before 31st October, 1973, were members of the Faculty by reason of their being the three students, undergraduate or postgraduate, elected in the manner prescribed by resolution of the Senate shall on and from that date and until 31st December, 1974, be deemed to be elected to the Faculty pursuant to subsection (1) (h).

2. The degrees in the Faculty shall be—
  - (i) Bachelor of Economics (B.Ec.)
  - (ii) Master of Economics (M.Ec.)
  - (iii) Master of Business Administration (M.B.A.)
  - (iv) Master of Public Policy (M.P.P.)
  - (v) Doctor of Philosophy (Ph.D.), and
  - (vi) Doctor of Science in Economics (D.Sc.Econ.)

## BACHELOR OF ECONOMICS

3. The degree shall be awarded in two grades, namely, the Pass degree and the Honours degree.

There shall be three classes of Honours, namely, Class I, Class II and Class III. Within Class II there shall be two divisions, namely, Division I and Division 2.

4. A candidate for the degree shall subsequent to matriculation complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and the Faculty.<sup>1</sup>

5. (1) The provisions of section 4 and the resolutions arising therefrom shall come into effect on 1st January, 1974.

(2) A person who was enrolled as a candidate for the degree of Bachelor of Economics before 1st January, 1974, and has not completed the requirements for that degree by that date may, by notice to the Registrar, elect to complete the requirements for the degree in accordance with the by-laws in force at the time he commenced that degree, provided that he completes the requirements for that degree by 1st January, 1978.

(3) Where a candidate proceeding pursuant to subsection (2) fails to complete the requirements for the degree before 1st January, 1978, he shall complete the requirements for the degree under such conditions as may be determined from time to time by the Faculty.

<sup>1</sup> See Senate Resolutions this chapter.

## **DEGREE OF MASTER OF ECONOMICS**

6. (1) The degree of Master of Economics shall be awarded in two grades, namely, the Pass degree and the degree with Honours.  
(2) There shall be two classes of Honours, namely, Class I and Class II.
7. There shall be Schools for the degree in the following subjects: (i) Economics, (ii) Economic History, (iii) Government, (iv) Econometrics, (v) Accounting, and (vi) Industrial Relations.
8. An applicant for admission to candidature for the degree shall—  
(1) except as provided in Chapter XXVIA of these by-laws, be a graduate of the University of Sydney; and  
(2) have completed at a standard acceptable to the Faculty courses which, in the opinion of the Faculty, are relevant to the field in which the candidate intends to undertake the degree; and  
(3) apply in writing to the Registrar on or before a date determined each year by the Faculty for admission to candidature.
9. (1) A candidate shall complete such requirements for the degree as may be prescribed by resolution from time to time by the Academic Board on the recommendation of the Faculty of Economics.<sup>1</sup>  
(2) Subject to subsection (3), a candidate may satisfy such requirements by (i) presentation of a thesis or (ii) completion of course work and a thesis or (iii) completion of course work and an essay.  
(3) A candidate who proceeds in accordance with subsection (2) (i) or (ii) may be awarded either the Pass degree or the degree with Honours.  
(4) A candidate who proceeds in accordance with subsection (2) (iii) may be awarded the Pass degree.
10. The Faculty may deem time spent or work done towards any other postgraduate degree in the University of Sydney by a candidate before his admission to candidature for the degree of Master of Economics to be time spent or work done after admission, provided that the candidate has ceased to be a candidate for the other degree.
11. A candidate shall not be admitted to the degree, in the case of full-time study, in less than one year, or, in the case of part-time study, in less than two years from the date of admission as a candidate.

## **MASTER OF BUSINESS ADMINISTRATION**

12. The degree of Master of Business Administration shall be awarded in one grade only.
13. An applicant for admission to candidature for the degree shall—  
(i) except as provided in Chapter XXVIA of these by-laws, be a graduate of the University of Sydney;  
(ii) have completed courses acceptable to the Faculty;  
(iii) submit evidence acceptable to the Faculty of training and ability to pursue the prescribed courses of study and if required by the Faculty pass a special examination; and  
(iv) apply in writing to the Registrar on or before a date each year prescribed by the Faculty for admission to candidature.
14. A candidate shall complete such requirements for the degree as may be prescribed by resolution from

time to time of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

15. The Faculty may deem time spent or work done towards any other postgraduate degree in the Faculty by a candidate before his admission to candidature for the degree of Master of Business Administration to be time spent or work done after admission, provided the candidate has ceased to be a candidate for the other degree.

16. A candidate shall not be admitted to the degree, in the case of full-time study, in less than one year, or in the case of part-time study, in less than two years from the date of admission as a candidate.

## **DEGREE OF MASTER OF PUBLIC POLICY**

17. The degree of Master of Public Policy shall be awarded in one grade only.

18. An applicant for admission to candidature for the degree shall—

- (a) except as provided in Chapter XXVIA of these by-laws, be a graduate of the University of Sydney;
- (b) have completed courses acceptable to the Faculty;
- (c) submit evidence acceptable to the Faculty of training and ability to pursue the prescribed courses of study and, if required by the Faculty, pass a special examination; and
- (d) apply for admission to candidature in writing to the Registrar on or before a date determined each year by the Faculty.

19. A candidate shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and of the Faculty.<sup>1</sup>

20. The Faculty may deem time spent or work done towards any other postgraduate degree in the University by a candidate before his admission to candidature for the degree of Master of Public Policy to be time spent or work done after admission if the candidate has ceased to be a candidate for the other degree.

21. A candidate shall not be admitted to the degree, in the case of full-time study, in less than one year, or, in the case of part-time study, in less than two years after the date of his admission as a candidate.

## **DOCTOR OF PHILOSOPHY**

22. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXd.

## **DOCTOR OF SCIENCE IN ECONOMICS**

23. The degree of Doctor of Science in Economics shall not be conferred except as prescribed in Chapter XIXb.

## **RESOLUTIONS OF THE SENATE**

### **BACHELOR OF ECONOMICS**

1. The courses which are available for the degree, some of which must be completed, others being optional, are as set out in the tables of courses attached to these Resolutions and in other tables approved by the Faculty.

2. In addition to the courses listed in the tables of courses, the Faculty may permit students to take other courses as qualifying courses for the degree and to count towards the requirements for the degree courses previously completed.

<sup>1</sup> See Academic Board Resolutions this chapter.

<sup>1</sup> See Senate Resolutions this chapter.

3. Each course is designed as a first year course, second year course, third year or fourth year honours course, as generally shown by the Roman numerals I, II, III and IV, which shall be full year courses and other courses may be designated as honours courses, additional courses and short courses.
4. Combinations of short courses, as approved by the Faculty, may count as the equivalent of one first year, second year or third year course or as fractions of full year courses.
5. A second year honours course shall count as the equivalent of one and a half first year, second year or third year courses.
6. A third year honours course shall count as the equivalent of two first year, second year or third year courses.
7. Except with the permission of the Faculty a student may enrol in no more than the equivalent of four and one half courses in any one year and may enrol in no fewer than the equivalent of two courses in any one year.
8. The Faculty may decide that two or more courses are to be mutually exclusive and a student may not count more than one such course towards the degree.
9. The Faculty may decide that a course is to be a prerequisite to enrolment in another course and a student may, except with the permission of the Faculty, enrol in that other course only after completing the prerequisite.
10. The prerequisite for enrolment in a particular course may include the requirement that the prerequisite course be completed at a certain standard to be decided by the Faculty.
11. The Faculty may decide that a course is to be a corequisite for enrolment in another course and a student may, except with the permission of the Faculty, enrol in that other course only if the student is concurrently enrolled in or has completed the corequisite course.
12. A course may be counted only once towards the degree and the Faculty may in addition decide that, because the content of a course is similar to the content of another course concurrently being taken or already completed, only one of these courses may be counted towards the degree.
13. Subject to the rules on satisfactory progress and except with the permission of the Faculty, the requirements for the degree must be completed within ten calendar years of first enrolment in the degree, and, in the case of the Honours degree, within five calendar years of first enrolment.

#### *Pass Degree*

14. To be eligible for the award of the degree a student must complete the equivalent of eleven courses (including short courses and honours courses) which shall include Econometrics I, Economics I, Economics II, Economics III and at least one of—  
Accounting III  
Agricultural Economics III  
Computer Science III  
Econometrics III  
Economic History III  
Geography III  
Government III  
Industrial Relations III  
Operations Research  
Taxation Law  
provided that candidates who have completed successfully Economics I (Social Sciences) may fulfil the requirements for the degree by entering Economics II on successful completion of a qualifying examination for Economics II.

15. Within the eleven courses to be completed for the degree, a student may count no more than five first year courses and, except with the permission of the Faculty, no more than two courses selected from Table B.

#### *Concurrent Candidature for the Degree of Bachelor of Laws*

16. A student may proceed concurrently as a candidate for the degrees of Bachelor of Economics and Bachelor of Laws, and may receive credit for the courses Legal Institutions, Public Law, Contracts and Torts for the Bachelor of Economics degree, provided that such a student may not, except with the approval of the Deans of the Faculties of Economics and Law, enrol in more than four full year courses in any one year.

#### *Honours degree*

17. The degree may be awarded with honours in—

Accounting  
Computer Science  
Economics  
Econometrics  
Economic History  
Geography  
Government  
Industrial Relations  
Operations Research

18. The degree may also be awarded with joint honours in any two of the subjects in which honours are available.

19. There shall be three classes of honours, namely Class I, Class II and Class III and within Class II there shall be two divisions, namely Division I and Division 2.

20. If a student graduates with First Class Honours in any honours subject or in any of the forms of joint honours and the Faculty decides that the student's work is of sufficiently high merit, the student shall receive a bronze medal.

21. A student shall qualify for the award of the honours degree on completion of the requirements for the Pass degree and the fourth year honours course in which the student is enrolled.

22. Unless the Faculty otherwise decides, a student may proceed to a fourth year course only upon completion of the requirements for the Pass degree.

23. A student who has been awarded the Pass degree may subsequently be admitted to candidature for the Honours degree and may qualify for the award of the Honours degree upon completion of such additional requirements in such time as the Faculty may decide, provided that a student may only be admitted to candidature for the Honours degree in this situation up to three years after the award of the Pass degree.

24. A student who is qualified to enrol in two fourth year honours courses may complete the final honours year in one year in both subjects, or in each of the two subjects in one year each or complete a Joint Honours Year in the two subjects in one year.

25. A fourth year joint honours course shall comprise such parts of each of the related fourth year honours courses as may be decided by the Faculty.

26. A student may repeat an honours course only with the special permission of the Faculty.

27. A student who does not complete an honours course may be allowed by the Faculty to count the equivalent second year or third year course towards the degree.

28. A student who is permitted to enrol concurrently in a fourth year honours course and a course taken towards completion of the requirements of the Pass degree and who fails to complete the latter course may



be awarded the Pass degree if in the opinion of the Faculty the student's work is of sufficient merit.  
*Students enrolled before 1987*

29. A student who was enrolled as a candidate for the degree prior to 1 January 1987 may complete the requirements for the degree in accordance with the Resolutions in force at that time<sup>1</sup> or may apply to the Faculty for permission to complete the requirements

<sup>1</sup> These Resolutions are printed in the *Calendars* for 1986 and previous years.

in accordance with these Resolutions, in which case the students shall be granted credit for such courses completed prior to 1 January 1987 as the Faculty may decide.

30. A student who was enrolled as a candidate for the degree prior to 1 January 1987 and who elects to continue in accordance with the Resolutions in force at that time, shall complete the requirements before 1 January 1991, provided that a student who fails to complete the requirements by this date shall complete such requirements for the degree under such conditions as the Faculty may decide.

XVIII: ECONOMICS:  
SENATE RESOLUTIONS

TABLE A: BACHELOR OF ECONOMICS (See Senate Resolution 1)

SENATE RESOLUTIONS		FACULTY RESOLUTIONS	
Course	Prerequisite course	Corequisite course	Additional information
<b>FIRST YEAR COURSES</b>			
Accounting I Agricultural Economics I Computer Science I Econometrics I Economic History I <sup>a</sup> Economics I			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <i>N.B. Agricultural Economics I, Computer Science I, Econometrics I and Economics I will be taught on the assumption that students have taken at least the Mathematics 2 unit course at the HSC examination or equivalent.</i> </div> <p>May be counted together with The Australian Economy.</p>
Geography I Government I <sup>a</sup>			This course consists of one option chosen from A, B, C, D, E, F and G listed under courses offered by the Department of Government.
Industrial Relations I Law I			May not be counted together with Legal Institutions.
The Australian Economy			May be counted together with Economics I. Cannot be taken by candidates who have successfully completed Economics II or Economics II(P).
<b>SECOND YEAR COURSES</b>			
Accounting II	Accounting I	Econometrics I	Assumed knowledge of Economics I.
Accounting II Honours	Accounting I at credit level <sup>b</sup>	Econometrics I	
Agricultural Economics II	Agricultural Economics I	Economics II	Consists of two short courses, Australian Agricultural Policy, and Agricultural Production Economics and Principles of Farm Management.
Computer Science II	Computer Science I and Mathematics I or General Pure Mathematics or Econometrics I or with the consent of the Head of the Department of Computer Science		Students who intend to proceed to Computer Science III should also take a second year mathematics course of Econometrics II.

<sup>a</sup> This course may be commenced half way through the year with the permission of the Faculty on the recommendation of the Head of the Department concerned.

<sup>b</sup> If not passed at credit level with the permission of the Head of Department.

## SENATE RESOLUTIONS

## FACULTY RESOLUTIONS

Course	Prerequisite course	Corequisite course	Additional information
<b>SECOND YEAR COURSES</b>			
Econometrics II	Econometrics I		This course consists of two Short courses selected from the Economic History Short courses listed in Table C. Students intending to proceed to Economic History III should note the additional information provided for that course.
Economic History II	Economic History I or History I (103, 105 or 109)		
Economic History II Honours	Economic History I at credit level <sup>b</sup>		
Economics II	Economics I	Econometrics I	May be counted together with Economics II(P)
Economics II Honours	Economics I at credit level <sup>b</sup>	Econometrics I	
Economics II(P)	Economics I (Social Sciences) or Economics I and successful completion of a qualifying examination for Economics II(P)		May be counted together with Economics II
Geography II	Geography I		This course consists of two Short courses selected from Government courses listed in Table C. Candidates proceeding to Government III must complete one course from each of two of the Groups A, B, C, D or E listed under Government II or Government III.
Geography II Honours	Geography I at credit level <sup>b</sup>		
Government II	Government I		
Government II Honours	Government I at credit level <sup>b</sup>		
Industrial Relations II	Industrial Relations I		May be taken concurrently with Industrial Relations III under such conditions as the Faculty may prescribe.
Industrial Relations II Honours	Industrial Relations I at credit level <sup>b</sup>		May be taken concurrently with Industrial Relations III Honours under such conditions as the Faculty may prescribe.
Law IIA	Law I. Alternatively Legal Institutions (Prerequisite) and Contracts (Corequisite)		May not be counted together with Public Law.
<div style="border: 1px solid black; padding: 5px;"> <p><i>Note: An Honours course is not offered with Econometrics II. Honours studies in Econometrics commence with the third year course.</i></p> </div>			
<b>THIRD YEAR COURSES</b>			
Accounting III	Accounting II and Econometrics I		Assumed knowledge of Economics II
Accounting III Honours	Accounting II Honours at credit level <sup>b</sup> and Econometrics I		Assumed knowledge of Economics II
Agricultural Economics III	Agricultural Economics II and Economics II		Consists of two Short courses, Agricultural Markets and Prices, and International Issues in Agricultural Policy.

<sup>b</sup> If not passed at credit level with the permission of the Head of Department.

SENATE RESOLUTIONS		FACULTY RESOLUTIONS	
Course	Prerequisite course	Corequisite course	Additional information
<b>THIRD YEAR COURSES</b>			
Computer Science III	Computer Science II and Pure Mathematics II or Applied Mathematics II or with the consent of the Head of the Department of Computer Science		May not be counted with Computer Science IIIE.
Computer Science IIIE	Computer Science II and Pure Mathematics II or Applied Mathematics or Econometrics II or Accounting II or with the consent of the Head of the Department of Computer Science		May not be counted with Computer Science III.
Computer Science IIIE Additional	Computer Science II and Pure Mathematics II or Applied Mathematics II or Econometrics II or Accounting II or with the consent of the Head of the Department of Computer Science	Computer Science IIIE <sup>c</sup>	
Computer Science IIIE Honours	Computer Science II and Pure Mathematics II or Applied Mathematics II or Econometrics II or Accounting II or with the consent of the Head of the Department of Computer Science		
Econometrics III Econometrics III Honours	Econometrics II Econometrics II at credit level <sup>b</sup>		
Economic History III	Economic History II		This course consists of Economic History Short courses Early Australian Economic History and Modern Australian Economic History or, if already completed, two other courses from the list of Economic History Short courses.
Economic History III Honours	Economic History II Honours at credit level <sup>b</sup>		
Economic History III Additional		Economic History III <sup>c</sup>	This course consists of two Short courses from Economic History, listed in Table C and not otherwise taken.
Economics III Economic III Honours	Economics II and Econometrics I Economic II Honours at credit level <sup>b</sup>		
Economics III(P)	Economics II(P)		Students who choose a full year of third year 'P' style options may be designated at their request as being enrolled in Economics III(P).
Economics III Additional Geography IIIE Geography IIIE Honours	Geography II Geography II Honours at credit level <sup>b</sup>	Economics III <sup>c</sup>	

<sup>b</sup> If not passed at credit level with the permission of the Head of Department.

<sup>c</sup> Or the third year honours course.

SENATE RESOLUTIONS		FACULTY RESOLUTIONS	
Course	Prerequisite course	Corequisite course	Additional information
<b>THIRD YEAR COURSES</b>			
Government III	Government II		This course consists of two Short courses selected from Government courses listed in Table C and not otherwise taken. Candidates must complete one course from each of two of the Groups A, B, C, D or E listed under Government as part of either Government II or Government III.
Government III Honours	Government II Honours at credit level <sup>b</sup>		
Government III Additional		Government III <sup>c</sup>	This course consists of two Short courses selected from Government courses listed in Table C and not otherwise taken.
Industrial Relations III	Industrial Relations II		May be taken concurrently with Industrial Relations II under such conditions as the Faculty may prescribe.
Industrial Relations III Honours	Industrial Relations II Honours at credit level <sup>b</sup>		May be taken concurrently with Industrial Relations II Honours under such conditions as the Faculty may prescribe.
Operations Research	Econometrics II or with the consent of the Head of the Department of Econometrics		
Operations Research Honours	Econometrics II at credit level <sup>b</sup>	Econometrics III	
Taxation Law	Law IIA and Accounting I		

<sup>b</sup> If not passed at credit level with the permission of the Head of Department.

<sup>c</sup> Or the third year honours course.

TABLE B (See Senate Resolution 15)

For the revised Bachelor of Economics degree, Table B consists of all courses not in Table A which are offered by the Faculties of Economics, Arts and Science as outlined in the relevant handbooks, together with the courses Legal Institutions and Public Law, with the exception of General Computing Studies.

#### BACHELOR OF ECONOMICS (SOCIAL SCIENCES)

1. The courses which are available for the degree, some of which must be completed, others being optional, are as set out in the tables of courses attached to these Resolutions and in other tables approved by the Faculty.

2. In addition to the courses listed in the tables of courses, the Faculty may permit students to take other courses as qualifying courses for the degree and to count towards the requirements for the degree courses previously completed.

3. Each course is designated as a first year course, second year course, third year or fourth year honours course, as generally shown by the Roman numerals I, II, III and IV, which shall be full year courses and other courses may be designated as honours courses, additional courses and short courses.

4. Combinations of short courses, as approved by the Faculty, may count as the equivalent of one first year, second year or third year course or as fractions of full year courses.

5. A second year honours course shall count as the equivalent of one and a half first year, second year or third year courses.

6. A third year honours course shall count as the equivalent of two first year, second year or third year courses.

7. Except with the permission of the Faculty a student may enrol in no more than the equivalent of four and one half courses in any one year and may enrol in no fewer than the equivalent of two courses in any one year.

8. The Faculty may decide that two or more courses are to be mutually exclusive and a student may not count more than one such course towards the degree.

9. The Faculty may decide that a course is to be a prerequisite to enrolment in another course and a student may, except with the permission of the Faculty, enrol in that other course only after completing the prerequisite.

10. The prerequisite for enrolment in a particular course may include the requirement that the prerequisite course be completed at a certain standard to be decided by the Faculty.

11. The Faculty may decide that a course is to be a corequisite for enrolment in another course and a student may, except with the permission of the Faculty, enrol in that other course only if the student is concurrently enrolled in or has completed the corequisite course.

12. A course may be counted only once towards the degree and the Faculty may in addition decide that,

because the content of a course is similar to the content of another course concurrently being taken or already completed, only one of these courses may be counted towards the degree.

13. Subject to the rules on satisfactory progress and except with the permission of the Faculty, the requirements for the degree must be completed within ten calendar years of first enrolment in the degree, and, in the case of the Honours degree, within five calendar years of first enrolment.

#### *Pass Degree*

14. To be eligible for the award of the degree a student must complete the equivalent of ten courses (including short courses and honours courses) which shall include Economics I or Economics I (Social Sciences) and Economics II or Economics II(P).

15. Within the ten courses to be completed for the degree, a student shall complete at least two third year courses from Table A and may count no more than five first year courses and, except with the permission of the Faculty, no more than two courses selected from Table B.

#### *Concurrent Candidature for the Degree of Bachelor of Laws*

16. A student may proceed concurrently as a candidate for the degrees of Bachelor of Economics (Social Sciences) and Bachelor of Laws, and may receive credit for the courses Legal Institutions, Public Law, Contracts and Torts for the Bachelor of Economics (Social Sciences) degree, provided that such a student may not, except with the approval of the Deans of the Faculties of Economics and Law, enrol in more than four full year courses in any one year.

#### *Honours Degree*

17. The degree may be awarded with honours in—  
Economics  
Economics (Social Sciences)  
Economic History  
Education  
Geography  
Government  
Industrial Relations  
Philosophy  
Psychology  
Religious Studies  
Social Anthropology

18. The degree may also be awarded with joint honours in any two of the subjects in which honours are available.

19. There shall be three classes of honours, namely Class I, Class II and Class III and within Class II there shall be two divisions, namely Division 1 and Division 2.

20. If a student graduates with First Class Honours in any honours subject or in any of the forms of joint honours and the Faculty decides that the student's work is of sufficiently high merit, the student shall receive a bronze medal.

21. A student shall qualify for the award of the honours degree on completion of the requirements for the Pass degree and the fourth year honours course in which the student is enrolled.

22. Unless the Faculty otherwise decides, a student may proceed to a fourth year course only upon completion of the requirements for the Pass degree.

23. A student who has been awarded the Pass degree may subsequently be admitted to candidature for the Honours degree and may qualify for the award of the Honours degree upon completion of such additional requirements in such time as the Faculty may decide, provided that a student may only be admitted to candidature for the Honours degree in this situation up to three years after the award of the Pass degree.

24. A student who is qualified to enrol in two fourth year honours courses may complete the final honours year in one year in both subjects, or in each of the two subjects in one year each or complete a Joint Honours Year in the two subjects in one year.

25. A fourth year joint honours course shall comprise such parts of each of the related fourth year honours courses as may be decided by the Faculty.

26. A student may repeat an honours course only with the special permission of the Faculty.

27. A student who does not complete an honours course may be allowed by the Faculty to count the equivalent second year or third year course towards the degree.

28. A student who is permitted to enrol concurrently in a fourth year honours course and a course taken towards completion of the requirements of the Pass degree and who fails to complete the latter course may be awarded the Pass degree if in the opinion of the Faculty the student's work is of sufficient merit.

TABLE A: BACHELOR OF ECONOMICS (SOCIAL SCIENCES) (See Senate Resolution 1)

SENATE RESOLUTIONS		FACULTY RESOLUTIONS	
Course	Prerequisite course	Corequisite course	Additional information
<b>FIRST YEAR COURSES</b>			
Accounting I			Only first year course offered in degree
Econometrics I			Only first year course offered in degree
Economic History I <sup>a</sup>			
Economics I			
Economics I (Social Sciences)			
General Computing Studies			Terminating course
Geography I			
Government I <sup>a</sup>			
Industrial Relations I			
Law I			Only first year course offered in degree
Philosophy I			
Psychology I			
Social Anthropology I			
The Australian Economy			May be counted together with Economics I. Cannot be taken by candidates who have successfully completed Economics II or Economics II(P).
<b>SECOND YEAR COURSES</b>			
Economic History II	Economic History I or History I (103, 105 or 109)		This course consists of two Short courses selected from the Economic History Short courses listed in Table C. Students intending to proceed to Economic History III should note the additional information provided for that course.
Economic History II Honours	Economic History I at credit level <sup>b</sup>		
Economics II	Economics I	Econometrics I	May be counted with Economics II(P)
Economics II Honours	Economics I at credit level <sup>b</sup>	Econometrics I	
Economics II(P)	Economics I (Social Sciences) or Economics I and successful completion of a qualifying examination for Economics II(P)		May be counted with Economics II
Economics II(P) Honours	Economics I (Social Sciences) at credit level <sup>b</sup>		
Education II	Social Anthropology I, Psychology I or Philosophy I		
Education II Honours	Social Anthropology I, Psychology I or Philosophy I at credit level <sup>b</sup>		
Geography II	Geography I		
Geography II Honours	Geography I at credit level <sup>b</sup>		

<sup>a</sup> This course may be commenced half way through the year with the permission of the Faculty on the recommendation of the Head of the Department concerned.

<sup>b</sup> If not passed at credit level with the permission of the Head of Department.

<sup>c</sup> Or the third year honours course.

SENATE RESOLUTIONS		FACULTY RESOLUTIONS	
Course	Prerequisite course	Corequisite course	Additional information
<b>SECOND YEAR COURSES</b>			
Government II	Government I		This course consists of two Short courses selected from Government courses listed in Table C. Candidates proceeding to Government III must complete one course from each of two of the Groups A, B, C, D or E listed under Government II or Government III.
Government II Honours	Government I at credit level <sup>b</sup>		
Industrial Relations II	Industrial Relations I		May be taken concurrently with Industrial Relations III under such conditions as the Faculty may prescribe.
Industrial Relations II Honours	Industrial Relations I at credit level <sup>b</sup>		May be taken concurrently with Industrial Relations III Honours under such conditions as the Faculty may prescribe.
Philosophy IIG	Philosophy I	Only one course may be taken	
Philosophy IIG Honours	Philosophy I at credit level <sup>b</sup>		
Philosophy IIT	Philosophy I	Only one course may be taken	
Philosophy IIT Honours	Philosophy I at credit level <sup>b</sup>		
Psychology IIA	Psychology I	Only one course may be taken	
Psychology IIA Honours	Psychology I at credit level <sup>b</sup>		
Psychology IIB	Psychology I		Does not lead to Psychology III
Religious Studies II	At least two first year courses		
Religious Studies II Honours	At least two first year courses, one at credit level <sup>b</sup>		
Social Anthropology II	Social Anthropology I		
Social Anthropology II Honours	Social Anthropology I at credit level <sup>b</sup>		
Social Theory II	At least two first year courses		
<b>THIRD YEAR COURSES</b>			
Economic History III	Economic History II		This course consists of Economic History Short courses Early Australian Economic History and Modern Australian Economic History or, if already completed, two other courses from the list of Economic History Short courses.
Economic History III Additional		Economic History III <sup>c</sup>	This course consists of two Short courses from Economic History, listed in Table C and not otherwise taken.
Economic History III Honours	Economic History II Honours at credit level <sup>b</sup>		
Economics III(P)	Economics II(P)		
Economics III(P) Additional		Economics III(P) <sup>c</sup>	
Economics III(P) Honours	Economics II(P) Honours at credit level <sup>b</sup>		
Economics III	Economics II and Econometrics I		
Economics III Additional		Economics III <sup>c</sup>	
Economics III Honours	Economics II Honours at credit level <sup>b</sup> and Econometrics I		

<sup>b</sup> If not passed at credit level with the permission of the Head of Department.

<sup>c</sup> Or the third year honours course.

## SENATE RESOLUTIONS

## FACULTY RESOLUTIONS

Course	Prerequisite course	Corequisite course	Additional information
<b>THIRD YEAR COURSES</b>			
Education III	Education II or Social Anthropology II or Psychology II or Philosophy II		
Education III Honours	Education II Honours, Social Anthropology II Honours, Psychology II Honours or Philosophy II Honours at credit level <sup>b</sup>		
Geography III E	Geography II	Only one course may be taken	
Geography III E Honours	Geography II Honours at credit level <sup>b</sup>		
Geography III M	Geography II		
Geography III M Honours	Geography II Honours at credit level <sup>b</sup>		
Government III	Government II		This course consists of two Short courses selected from Government courses listed in Table C and not otherwise taken. Candidates must complete one course from each of two of the Groups A, B, C, D or E listed under Government as part of either Government II or Government III.
Government III Honours	Government II Honours at credit level <sup>b</sup>		
Government III Additional		Government III <sup>c</sup>	This course consists of two Short courses selected from Government courses listed in Table C and not otherwise taken.
Industrial Relations III	Industrial Relations II		May be taken concurrently with Industrial Relations II under such conditions as the Faculty may prescribe.
Industrial Relations III Honours	Industrial Relations II Honours at credit level <sup>b</sup>		May be taken concurrently with Industrial Relations II Honours under such conditions as the Faculty may prescribe
Philosophy III G	Philosophy II G	Only one course may be taken	
Philosophy III G Honours	Philosophy II G Honours at credit level <sup>b</sup>		
Philosophy III T	Philosophy II T		
Philosophy III T Honours	Philosophy II T Honours at credit level <sup>b</sup>		
Psychology III	Psychology II A		
Psychology III Honours	Psychology II A Honours at credit level <sup>b</sup>		
Religious Studies III	Religious Studies II		
Religious Studies III Honours	Religious Studies II Honours at credit level <sup>b</sup>		
Social Anthropology III	Social Anthropology II		
Social Anthropology III Additional		Social Anthropology III <sup>c</sup>	
Social Anthropology III Honours	Social Anthropology II Honours at credit level <sup>b</sup>		
Social Policy and Administration III	Social Theory II		

<sup>b</sup> If not passed at credit level with the permission of the Head of Department.  
<sup>c</sup> Or the third year Honours course.



TABLE B (See Senate Resolution 15)

For the Bachelor of Economics (Social Sciences) degree, Table B consists of all courses not in Table A offered by the Faculties of Arts and Science as outlined in the relevant handbooks, together with the courses Legal Institutions and Public law. The courses Ac-

counting II and III, Agricultural Economics I, II and III, Econometrics II and III, Operations Research, Law IIA and Taxation Law are not available in the BEc(SocSc) degree, and may not be counted towards the ten courses required for the degree.

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SENATE RESOLUTIONS

TABLE C: BACHELOR OF ECONOMICS AND BACHELOR OF ECONOMICS (SOCIAL SCIENCES) FACULTY RESOLUTIONS  
(See Senate Resolution 4 for both degrees)

Course	Prerequisite course	Corequisite course	Additional information
<b>Agricultural Economics</b>			
Australian Agricultural Policy		Economics II	
Agricultural Production		Economics II	
Economics and Principles of Farm Management			
Agricultural Markets and Prices	Economics II		
International Issues in Agricultural Policy	Economics II		This course will not be offered until 1989.
<b>Econometrics</b>			
Econometrics III	Econometrics II	Econometrics III	Not available in BEc(SocSc) degree
Supplementary			
<b>Economic History</b>			
Economic Development in Southeast Asia	For all Economic History Short courses—any two First Year courses		
Economic Development of Modern Germany			
Economic Development of Modern Japan			
Economic Development of Russia and Eastern Europe			
Economic Fluctuations		Economics I or with the consent of the Head of the Department of Economic History	
Economic History of the Mediterranean Region			
Social Aspects of Industrialisation in the United States			
Economic and Social Development in Modern France			
Economic and Social History of Minority Groups			
American Economic History 1607–1865			
American Economic History 1865–1970			
Early Australian Economic History			
Latin America: Political Crises and Economic Change			
Modern Australian Economic History			
The Historical Development of the Chinese Economy			
Urban History			
<b>Economics</b>			
Economics II Supplementary		Economics II	Not available from 1988.
Economics III Supplementary	Economics II	Economics III	
Economics III(P) Supplementary	Economics II(P)		

Course	Prerequisite course	Corequisite course	Additional information
<b>Government</b>			
<b>Group A</b>			
Classical Political Theory I	Government I or with the consent of the Head of the Department of Government		
Classical Political Theory II			
Classical Political Theory III: Philosophers of Crisis			
Disobedience, Direct Action and Political Authority			
Ethics and Politics: Human Needs and the State			
Ethics and Politics: Science and Technology			
Ethics and Politics: Violence			
Scope and Method in Political Science			
Topics in Democratic Theory			
<b>Group B</b>			
American Politics	Government I or with the consent of the Head of the Department of Government		
Authoritarian Politics			
Government and Politics of Modern China			
International Communism			
Introduction to Comparative Politics			
Japanese Politics			
The Politics of Development			
Politics and Government in Papua New Guinea			
Problems in American Public Policy: The Quality of Life			
Problems of Political Change			
The Sociology of Political Parties			
Southeast Asian Politics I	Government I or with the consent of the Head of the Department of Government		
Southeast Asian Politics II			
USSR and Eastern Europe			
Western European Politics			
<b>Group C</b>			
Australian State Politics	Government I or with the consent of the Head of the Department of Government		
Community Politics I			
Community Politics II			
Environmental Issues and Policies			
Human Rights and Australian Politics			
Issues in Australian Public Policy: Natural Resources			
Public Policy and Administration I			
Public Policy and Administration II			
<b>Group D</b>			
Australian Foreign and Defence Policy	Government I or with the consent of the Head of the Department of Government		
Issues in International Politics			
Peace Studies			
The Politics of International Economic Relations			
The Superpowers in Conflict: Global and Regional Issues			
Theory of International Politics			

Course	Prerequisite course	Corequisite course	Additional information
<b>Group E</b> An introduction to Field Studies in Political Behaviour Australian Political and Electoral Behaviour Political Sociology Politics of Information I Politics of Information II Socialist and Labour Politics Working Class Politics Political Economy of Women	Government I or with the consent of the Head of the Department of Government       Any two First Year courses		
<b>Interdepartmental</b> Political Economy of Women	Any two First Year courses		
<b>Law</b> Contracts  Torts	Any two First Year Courses  Any two First Year Courses	Legal Institutions  Legal Institutions	May not be counted together with Law I

### MASTER OF BUSINESS ADMINISTRATION

Pursuant to section 14 of Chapter XVIII of the By-laws the Senate makes the following resolutions for the degree of Master of Business Administration:

1. (i) Subject to Resolution 1(2) a candidate for the degree shall—
  - (a) engage in the University of Sydney either in full-time study for not less than two years or part-time study for not less than three years;
  - (b) in each year of candidature pursue a course of study prescribed by the Faculty;
  - (c) at an examination at the end of each year of candidature satisfy the Faculty that satisfactory progress has been made;
  - (d) at the end of the period specified in Resolution 1(a) or, with the special permission of the Faculty, within one further year, lodge with the Registrar four copies of a substantial essay (printed or typewritten) on a subject approved by the Faculty;
  - (e) throughout the candidature consult with the adviser or supervisor appointed under Resolution 6(1) and with such other person or persons as the Faculty may nominate.
- (2) The Faculty may in exceptional circumstances permit a candidate who has what it considers to be special qualifications and experience—
  - (a) to submit a thesis instead of the substantial essay prescribed in Resolution 1(d); and / or
  - (b) to complete the requirements for the degree within a period of full-time study of not less than one year.
2. (1) A course of study shall consist of such lectures, seminars, thesis, essays, exercises and practical work as may be prescribed in accordance with Resolution 1(1)(b).  
(2) The Faculty may require a candidate to acquire satisfactory practical experience working

outside the University in an approved organisation prior to admission to candidature or as part of the prescribed course of study.

3. A candidate may be tested by written and oral examinations, assignments, exercises and practical work or any combination of these in determining the results of the examinations prescribed in Resolution 1(1)(c).
4. (1) (a) A candidate shall, subject to Resolution 4(1)(b), complete the work for the essay prescribed in Resolution 1(1)(d) or the thesis prescribed in Resolution 1(2)(a) within the University of Sydney.  
(b) A candidate who has completed the minimum time prescribed for his or her candidature and who has substantially completed the work for the essay or thesis may be permitted by the Faculty to complete that work away from the University provided that the adviser or supervisor furnishes a written statement specifying the arrangements to be made for continuing advice or supervision and certifying that these arrangements are satisfactory.
- (2) (a) A candidate shall not present as the essay or thesis any work which has been presented for a degree at this or any other university, or for any qualification in any institution, but the candidate shall not be precluded from incorporating such work in the essay or thesis provided the part of the work which has been so incorporated is clearly indicated.  
(b) A candidate shall state throughout the essay or thesis the sources from which information was derived, and the extent to which the candidate has made use of the work of others.
5. (1) (a) A candidate shall complete the requirements for the degree within three years from the date of first enrolment as a candidate provided that in special circum-

- stances the Faculty may extend this period by not more than one year.
- (b) A full-time candidate may be required to work continuously throughout the year except for a period of four weeks' recreation leave.
- (2) Where a person's candidature is terminated within the period stated in Resolution 5(1)(a) for reasons other than unsatisfactory progress and that person is subsequently permitted to re-enrol, the Faculty shall give allowance for time spent or work done as it thinks fit.
6. (1) The Faculty shall appoint a person who is a full-time member of the University academic staff to act as adviser or supervisor of the candidate, and may also appoint an associate adviser or supervisor similarly qualified in this or another university or appropriate institution to advise the candidate on the preparation of the substantial essay or to supervise the preparation of the thesis, respectively.
- (2) The Dean or the Sub-Dean shall report to the Faculty in respect of each candidate the essay or thesis subject approved, not later than one year prior to the completion of the minimum time of candidature.
- (3) The adviser or supervisor may at any time and shall at the end of each year of candidature submit a report to the Faculty on the progress towards completion of the requirements for the degree of each candidate for whom that adviser or supervisor is responsible.
- (4) The Dean or the Sub-Dean may at any time and, pursuant to Resolution 6(3), shall at the end of each year of a person's candidature make a recommendation to the Faculty concerning continuation of such candidature.
7. (1) The Faculty shall appoint an examiner or examiners to conduct the examinations prescribed in Resolution 1(1)(c).
- (2) The Faculty shall appoint not less than two examiners, of whom one or more may be an external examiner, to examine the essay or thesis.
- (3) The examiners appointed in accordance with these Resolutions shall report to the Faculty which shall determine the result of the examinations for the degree.

#### MASTER OF PUBLIC POLICY

Pursuant to section 19 of Chapter XVIII of the By-laws, the Senate makes the following resolutions for the degree of Master of Public Policy:

1. (1) Subject to Resolution 1 (2) a candidate for the degree shall—
- engage in the University of Sydney either in full-time study for not less than two years or part-time study for not less than three years;
  - in each year of candidature pursue a course of study prescribed by the Faculty;
  - at an examination at the end of each year of candidature satisfy the Faculty that satisfactory progress has been made;
  - at the end of the period specified in Resolution 1 (1) (a) or, with the special permission of the Faculty, within one further year, lodge with the Registrar four copies of a substantial essay (printed or typewritten) on a subject approved by the Faculty;
  - throughout the candidature consult with the adviser or supervisor appointed under Resolution 6 (1) and with such other person or persons as the Faculty may nominate.

- (2) The Faculty may in exceptional circumstances permit a candidate who has what it considers to be special qualifications and experience—
    - to submit a thesis instead of the substantial essay prescribed in Resolution 1 (1) (d); and/or
    - to complete the requirements for the degree within a period of full-time study of not less than one year.
2. (1) A course of study shall consist of such lectures, seminars, thesis, essays, exercises and practical work as may be prescribed in accordance with Resolution 1 (1) (b).
- (2) The Faculty may require a candidate to acquire satisfactory practical experience working outside the University in an approved organisation prior to admission to candidature or as part of the prescribed course of study.
3. A candidate may be tested by written and oral examinations, assignments, exercises and practical work or any combination of these in determining the results of the examinations prescribed in Resolution 1 (1) (c).
4. (1) (a) A candidate shall, subject to Resolution 4 (1) (b), complete the work for the essay prescribed in Resolution 1 (1) (d) or the thesis prescribed in Resolution 1 (2) (a) within the University of Sydney.
- (b) A candidate who has completed the minimum time prescribed for his or her candidature and who has substantially completed the work for the essay or thesis may be permitted by the Faculty to complete that work away from the University provided that the adviser or supervisor furnishes a written statement specifying the arrangements to be made for continuing advice or supervision and certifying that these arrangements are satisfactory.
- (2) (a) A candidate shall not present as the essay or thesis any work which has been presented for a degree at this or any other university, or for any qualification in any institution, but the candidate shall not be precluded from incorporating such work in the essay or thesis provided the part of the work which has been so incorporated is clearly indicated.
- (b) A candidate shall state throughout the essay or thesis the sources from which his information was derived, and the extent to which the candidate has made use of the work of others.
5. (1) (a) A candidate shall complete the requirements for the degree within three years from the date of first enrolment as a candidate provided that in special circumstances the Faculty may extend this period by not more than one year.
- (b) A full-time candidate may be required to work continuously throughout the year except for a period of four weeks' recreation leave.
- (2) Where a person's candidature is terminated within the period stated in Resolution 5 (1) (a) for reasons other than unsatisfactory progress and that person is subsequently permitted to re-enrol, the Faculty shall give allowance for time spent or work done as it thinks fit.

6. (1) The Faculty shall appoint a person who is a full-time member of the University academic staff to act as adviser or supervisor of the candidate, and may also appoint an associate adviser or supervisor similarly qualified in this or another university or appropriate institution to advise the candidate on the preparation of the substantial essay or to supervise the preparation of the thesis, respectively.  
(2) The Dean or the Sub-Dean shall report to the Faculty in respect of each candidate the essay or thesis subject approved, not later than one year prior to the completion of the minimum time of candidature.  
(3) The adviser or supervisor may at any time and shall at the end of each year of candidature submit a report to the Faculty on the progress towards completion of the requirements for the degree of each candidate for whom that adviser or supervisor is responsible.  
(4) The Dean or the Sub-Dean may at any time, and pursuant to Resolution 6 (3), shall at the end of each year of a person's candidature make a recommendation to the Faculty concerning continuation of such candidature.
7. (1) The Faculty shall appoint an examiner or examiners to conduct the examinations prescribed in Resolution 1 (1) (c).  
(2) The Faculty shall appoint not less than two examiners, of whom one or more may be an external examiner, to examine the essay or thesis.  
(3) The examiners appointed in accordance with these Resolutions shall report to the Faculty which shall determine the result of the examinations for the degree.

#### MEMBERSHIP OF THE FACULTY BY TEACHING FELLOWS AND TUTORS

Pursuant to section 1 of Chapter XVIII of the By-laws the Senate makes the following resolutions for the election of not more than three Teaching Fellows or Tutors to memberships of the Faculty:

1. There shall be not more than three persons elected to membership of the Faculty being full-time Tutors or Teaching Fellows in the Departments specified in section 1 (1) (a) of Chapter XVIII of the By-laws.
2. The elections shall be held in Lent term each year, *provided that the first such election shall be held in Lent term, 1973, or so soon thereafter as may be arranged.*
3. The persons elected to membership of the Faculty shall hold office from the date of election until the next annual election.
4. A member shall cease to hold office if he ceases to hold the qualifications in respect of which he is eligible for membership of the Faculty, or if he otherwise becomes eligible for membership of the Faculty.
5. (a) Any vacancy occurring by death, disqualification or resignation of a member shall be filled by the conduct of a by-election in accordance with the procedures for an election set out in section 7.  
(b) Any vacancy arising out of an insufficient number of nominations shall remain unfilled.
6. The electorate for the election of members shall comprise all full-time Tutors or Teaching Fellows in the Departments specified in section 1 (1) (a) of Chapter XVIII of the By-laws.
7. The election shall be conducted by the Registrar and the following procedures shall apply:

- (a) At least twenty-eight days' notice of the day of election shall be given by notice posted to each eligible voter and at the University.
- (b) No person shall be eligible for election unless his name shall have been communicated to the Registrar not less than fourteen days before the date fixed for the election. The nomination paper shall be signed by the person nominated and shall signify his consent to the nomination.
- (c) On the expiration of the time for receiving nominations,
  - (i) should the number of nominations not exceed the number of vacancies, the Registrar shall report the fact to the Dean who shall then declare the candidate or candidates duly elected;
  - (ii) should the number of nominations exceed the number of vacancies, the election shall be by voting papers as hereinafter provided.
- (d) The election shall be conducted in the following manner:
  - (i) The Registrar shall prepare a list of all persons entitled to vote, completed to the last day for receiving nominations for the election, and a copy of such list shall be available for inspection in the Registrar's Office at the University during normal working hours for the period from that date to the day of election.
  - (ii) Not later than the third day before the day of election the Registrar shall forward to each voter at his address last notified to the Registrar, a voting paper containing the names of all duly nominated candidates arranged in alphabetical order, a form of declaration wherein the voter shall state his name and qualification, an envelope marked 'Voting Paper', and a second envelope addressed to the Registrar.
  - (iii) The voter shall mark his voting paper by making a cross opposite the name of the candidate or candidates for whom he votes. He shall place the voting paper without any other matter in the envelope marked 'Voting Paper' which he shall seal. He shall complete and sign the declaration and transmit to the Registrar in the second envelope the declaration and the sealed envelope marked 'Voting Paper'.
  - (iv) All voting papers so transmitted and received at the University not later than 2.00 p.m. on the day of election shall be counted in the ballot, which shall be conducted by the Registrar. Each candidate shall be entitled to appoint one scrutineer.
  - (v) At the expiration of time allotted for the ballot, and after examination of the voting papers, the Registrar shall report the result to the Dean who shall then declare the three candidates who have received the greatest number of votes to be duly elected. The Registrar shall reject any informal voting paper; in the event of doubt, the matter shall be referred to the Dean whose decision shall be final.
  - (vi) Where an equality of votes prevents the making of the declaration under para-

graph (v) of this clause, the Dean shall determine the result by lot as may be necessary to enable the declaration to be made.

## RESOLUTIONS OF THE ACADEMIC BOARD

### MASTER OF ECONOMICS

In accordance with Chapter XVIII, section 9 of the By-laws, the following Resolutions governing candidature for the degree of Master of Economics have been prescribed by the Academic Board on the recommendation of the Faculty of Economics:

1. An applicant for admission to candidature for the degree of Master of Economics shall apply for the approval of the Faculty to proceed as a candidate

*either*

- (a) in the case of a Bachelor of Economics of the University of Sydney with first-class or second-class Honours or an applicant with qualifications deemed by the Faculty to be equivalent, by—
  - (i) thesis or
  - (ii) coursework and thesis, or
  - (iii) coursework and essay;

*or*

- (b) in the case of a Bachelor of Economics of the University of Sydney with third-class Honours or with a Pass degree or an applicant with qualifications deemed by the Faculty to be equivalent, by—
  - (i) coursework and thesis, or
  - (ii) coursework and essay;
 and in each case specifying the proposed subject of his thesis or essay.

2. After admission a candidate shall—

- (a) enrol in each year in accordance with the procedure prescribed by the Faculty;
- (b) attend such lectures and seminars and other meetings as may be prescribed by the Head of the Department concerned, and
- (c) consult with the Head of the Department and with his Supervisor.

3. A candidate admitted in accordance with section 1

(a) (i) shall—

- (a) engage in the University of Sydney either in full-time study for not less than one year or in part-time study for not less than two years;
- (b) carry out an original investigation on a topic approved by the Head of the Department;
- (c) write a thesis embodying the results of this investigation;
- (d) lodge with the Registrar four copies (printed or typewritten) of his thesis not later than the first of March or, with the approval of the Faculty, the first of September in the year in which he seeks the award of the degree;
- (e) if required by the examiners, sit for an examination in the branch or branches of knowledge to which the thesis relates.

4. A candidate admitted otherwise than in accordance with section 1 (a) (i) shall—

- (a) (i) if he has not obtained the degree of Bachelor of Economics with first or second class honours or qualifications considered by the Faculty to be equivalent, engage in the University of Sydney in either full-time or part-time study for not less than two years; or
- (ii) if he has obtained the degree of Bachelor of Economics with first or second class

honours or qualifications considered by the Faculty to be equivalent, engage in the University of Sydney in full-time study for not less than one year or part-time study for not less than two years;

- (b) attend such courses of study as the Faculty on the recommendation of the Head of the Department concerned, shall prescribe;
- (c) on the basis of examinations and assessments at the end of each year of candidature, satisfy the Faculty that he is qualified to proceed with his candidature; and
- (d) within twelve months of the completion of the prescribed coursework, lodge with the Registrar four typewritten and bound copies of a thesis or two typewritten and bound copies of a substantial essay, on a topic approved by the Head of the Department.

5. (1) A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and, on completion of this probationary period, the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

(2) In the case of a candidate accepted on a probationary basis under this resolution, the candidature shall be deemed to have commenced from the date of such acceptance.

6. (1) The Faculty, on the recommendation of the Department concerned, shall appoint a person who is a full-time member of the University academic staff to act as supervisor of the candidate.

(2) The Head of the Department shall report to the Faculty in respect of each candidate the thesis subject approved.

(3) The supervisor shall each year submit a report through the Head of the Department concerned to the Faculty on the progress towards completion of the requirements for the degree of each candidate under his supervision.

(4) The Faculty may, on the recommendation of the Head of the Department concerned terminate the candidature of any candidate who has not, in the opinion of the Faculty, shown evidence of sufficient progress.

7. Except with the approval of the Faculty the examinations prescribed in section 4 (c) shall be held in Michaelmas term.

8. (1) A candidate shall carry out the investigation on the topic approved by the Head of the Department in the University of Sydney except that the Faculty may permit a candidate who is a graduate of the University to carry out the investigation or part of it elsewhere.

(2) A candidate shall not present as his thesis or essay any work which has been presented for a degree at this or any other University, but he will not be precluded from incorporating such work in his thesis or essay provided that he indicates the part of the work which has been so incorporated. He shall state in the thesis, generally in a preface and specifically in notes, the sources from which his information was derived, the extent to which he has availed himself of the work of others and the portion of the thesis which he claims as original.

(3) A thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.

9. (1) A full-time candidate shall complete requirements for the degree within three years from the

date of his first enrolment as a candidate provided that in special circumstances the Faculty may extend this period to four years.

(2) A part-time candidate proceeding by coursework and thesis or by coursework and essay shall complete the degree within four years from the date of first enrolment as a candidate except that in special circumstances the Faculty may extend the period to five years.

(3) If a candidature is terminated for any reason within the time stated in subsection (1) and the candidate subsequently wishes to proceed to the degree, the Faculty may give such directions as to the period of time allowed as the circumstances may require.

10. (1) The Head of the Department concerned shall appoint an examiner or examiners to conduct the examinations prescribed in section 4 (c).

(2) (a) Subject to Resolution 10(2)(b) the Faculty shall appoint not less than two examiners, of whom one or more may be an external examiner, to examine the thesis or the essay.

(b) In the case of a candidate proceeding by thesis only, the Faculty shall appoint three examiners of whom at least two shall be external, provided that all three shall be external if the candidate is a member of the staff of the Faculty.

(3) The examiners appointed under subsection (1) and subsection (2) shall report to the Faculty which shall determine the result of the examination for the degree.

## RESOLUTIONS OF THE FACULTY

### BOARD OF EXAMINERS AND BOARD OF POSTGRADUATE STUDIES

#### Board of Examiners

The Faculty has appointed one Board of Examiners pursuant to section 12 of Chapter VIII of the By-laws with the following membership:—

(a) Those persons holding membership of the Faculty of Economics under section 1 (a) of Chapter XVIII of the By-laws.

(b) The Heads of and Professors in those Departments not referred to in section 1 (a) of Chapter XVIII of the By-laws offering courses in which candidates for the degrees of Bachelor of Economics or Bachelor of Economics (Social Sciences) have enrolled, or their nominees who are persons in the same categories as those listed in that section.

#### Board of Postgraduate Studies

The Board of Postgraduate Studies established under section 13 of Chapter VIII of the By-laws shall consist of the Dean who shall be Chairman *ex officio*, the Heads of Departments within the Faculty or their nominated representatives and up to five other members, and shall be elected by the Faculty for two years. The Board shall have power to co-opt. Members of the Board shall include at least one staff member from each School.

### MASTER OF BUSINESS ADMINISTRATION

#### Admission to candidature

Pursuant to subsection (ii) of section 13 of Chapter XVIII of the By-laws, the Faculty has resolved that a person admitted to candidature for the degree of Master of Business Administration shall be:

- (i) a graduate with at least two years' business experience after graduation
- (ii) a person who has acquired recognised professional qualifications otherwise than by university study and who has had at least five years' experience since gaining qualification.

#### Course of study

Pursuant to subsection (1) (b) of Section 1 of the Resolutions of the Senate relating to the degree of Master of Business Administration, the Faculty has prescribed the following courses of study:

The Master of Business Administration programme shall consist of ten modules taken in sequence. The Industry Study (module 4) is completed before the commencement of second year. The Company Report or Dissertation (modules 9 and 10) is completed and presented in Michaelmas Term of that year for full-time candidates and in Third Year for part-time candidates. The modules are—

#### Compulsory modules:

1. Financial Reporting in a Legal Environment\*
2. The Structure, Management and Regulation of the Modern Corporation
3. The Theory and Practice of Decision-making
4. Industry Study
5. Financial Institutions and Sources of Finance
6. Corporate Finance\*\*
9. and 10. Company Study or Dissertation

#### Optional modules:

7. and 8. Any two of:

Corporate Dilemmas, Difficulties & Disasters

Comparative International Business & Financial Institutions

The Securities Market and its Regulation

Operations Research

Industrial Relations and Human Resource Development

The Social and Economic Foundations of Marketing

\* Candidates with legal or accounting qualifications are exempt part or all of this module.

\*\* Not available to candidates with a major in finance in their first degree. An option must be substituted.

### DOCTOR OF SCIENCE IN ECONOMICS

Pursuant to section 13 of Chapter XVIII and to sections 2 and 5 of Chapter XIX<sub>B</sub> of the By-laws the Faculty makes the following Resolutions:

1. Published work which a candidate for the degree of Doctor of Science in Economics submits for examination must, in addition to satisfying the requirements of Chapter XIX<sub>B</sub> of the By-laws, be in a field with which the Faculty is concerned.

2. A candidate for the degree is required, by way of an introduction, to describe the theme of the published work submitted and, where there is a large number of publications whose dates range over a period of time and which contain some range of subject matter, to state how these are related to one another and to his theme.

3. If a prospective candidate, as a first step tenders the introduction referred to in section 2, together with a list of the published work which he proposes to submit for examination, the Faculty will make an assessment as to whether the published work is in a field with which the Faculty is concerned, and, if so, an assessment also of the *prima facie* worthiness for examination of the published work.

4. A prospective candidate who tenders the introduction together with the list of published work shall not be debarred from subsequently submitting his published work for examination.

5. The published work shall be regarded as a distinguished contribution to knowledge if:
- (a) it represents a significant advance in knowledge in its chosen field, and/or
  - (b) it has given rise to and/or is part of a significant debate in scholarly books and journals among recognised scholars in its chosen field, and/or
  - (c) it has directly given rise to significant changes in the direction of research or of practice of a newer generation of recognised scholars in its chosen field.

## Faculty of Architecture

### BY-LAWS CHAPTER XIX

1. (1) The Faculty of Architecture shall comprise the following persons:
  - (i) The Professors, Readers, Associate Professors, Senior Lecturers, Lecturers, Senior Tutors and Tutors, being full-time permanent or full-time temporary members of the teaching staff, in the Departments of Architecture, Architectural Science and Town and Country Planning.
  - (ii) One member of each of the Faculties of Arts, Medicine, Science, Engineering and Economics nominated biennially in Michaelmas Term by the Dean of the Faculty concerned to hold office for a period of two years from 1st January in the year following such nomination.
  - (iii) The Director of the Sydney University Art Workshop.
  - (iv) Such part-time members of the teaching staff with responsibility for the general conduct of particular courses in the curriculum as are elected by the members mentioned in the foregoing paragraphs (i) and (ii).
  - (v) Not more than five students elected in the manner prescribed by resolution of the Senate.<sup>1</sup>
- (2) The persons at present members of the Faculty by virtue of their nomination by the Deans of the Faculties of Arts, Medicine, Science, Engineering and Economics shall be deemed to be appointed in accordance with the foregoing subsection (1) (ii) and to commence their membership from 1st January, 1970.
- (3) The election of members pursuant to subsection (1) (iv) shall be held at the first meeting of the Faculty in Lent Term in each year, the first election to be held in Lent Term, 1971, and the members so elected shall hold office until the next annual election but conterminously with their membership of the part-time teaching staff.
2. The degrees and diplomas in the Faculty of Architecture shall be—
  - (i) Bachelor of Science (Architecture) (B.Sc.(Arch.)),
  - (ii) Bachelor of Architecture (B.Arch.),
  - (iii) Bachelor of Landscape Architecture (B.L.Arch.).

<sup>1</sup> See Senate Resolutions following Chapter VIII.



- (iv) Master of Science (Architecture) (M.Sc.(Arch.)),
- (v) Master of Architecture (M.Arch.),
- (vi) Diploma in Town and Country Planning (Dip.T.C.P.),
- (vii) Master of Town and Country Planning (M.T.C.P.),
- (viii) Diploma in Building Science (Dip.Bdg.Sc.),
- (ix) Diploma in Building Science (Energy-Conservative Design) (Dip.Bdg.Sc.(E.C.D.))
- (x) Master of Building Science (M.Bdg.Sc.),
- (xi) Doctor of Philosophy (Ph.D.),
- (xii) Doctor of Architecture (D.Arch.),
- (xiii) Diploma in Architectural Computing (Dip.Arch.Comp.),
- (xiv) Diploma in Illumination Design (Dip.Illum.Des.),
- (xv) Master of Science (Architecture) (Conservation) (M.Sc.(Arch.)(Cons.)),
- (xvi) Master of Land Economy (M.L.E.),
- (xvii) Diploma in Land Economy (Dip.L.E.)

**BACHELOR OF SCIENCE (ARCHITECTURE);  
BACHELOR OF ARCHITECTURE;  
BACHELOR OF LANDSCAPE ARCHITECTURE**

3. Subject to section 4, a candidate for the degree of Bachelor of Science (Architecture), Bachelor of Architecture or Bachelor of Landscape Architecture shall complete the requirements for the degree prescribed by resolution of the Senate on the recommendation of the Academic Board and the Faculty.<sup>1</sup>

4. A candidate who commenced his candidature for the degree of Bachelor of Science (Architecture) or Bachelor of Architecture before 1st January, 1973 shall complete the requirements for the degree under such conditions as may be prescribed by the Faculty on the recommendation of the Head of the School of Undergraduate Studies subject to the authority of the Academic Board and the Senate.

5.-7. [Repealed.]

**MASTER OF SCIENCE (ARCHITECTURE)**

8. An applicant for admission to candidature for the degree of Master of Science (Architecture) shall—

- (i) except as provided in Chapter XXVIA of these By-laws, be a graduate of the University of Sydney;
- (ii) apply in writing to the Faculty for admission and for approval of a field of study;
- (iii) pass a preliminary examination, provided that an applicant who is a Bachelor of Science (Architecture) or Bachelor of Architecture of the University of Sydney with first-class or second-class Honours may be exempted by the Faculty from such examination.

9. The Faculty shall appoint a member of the staff of the University to act as supervisor of the candidate.

10. The degree of Master of Science (Architecture) is awarded in one grade only.

11. A candidate shall lodge a thesis embodying the results of an original investigation by him within the approved field of study.

A candidate shall submit four copies of the thesis (printed or typewritten) to the Registrar before the first day of November in the year preceding that in which he proposes to take his degree. Photostat copies of drawings and diagrams will be accepted. A candidate shall state in his thesis, generally in a preface, and specifically in notes, the sources from which his infor-

mation was derived, the extent to which he has availed himself of the work of others and the portions of the thesis which he claims as original. He shall not lodge as his thesis any work previously submitted for a degree of this or any other university, but he may incorporate such work in his thesis, provided that he indicates the work so incorporated.

12. The Faculty shall appoint at least two examiners of whom at least one shall be an external examiner. The examiners shall report to the Faculty of Architecture which shall determine the result of the examination.

13. (1) The degree is not conferred until the candidate is a graduate of three years' standing from the examination for the degree qualifying him for admission to candidature unless the candidature has for a period of not less than two years—or for a period of not less than one year in the case of a candidate who either is a Bachelor of Science (Architecture) or Bachelor of Architecture of the University of Sydney with first-class or second-class honours or has been admitted to candidature in accordance with the provisions of Chapter XXVIA, section 2 of these By-laws—engaged in advanced study and research in the University or such other place as the Faculty may approve, when the degree may be conferred on a graduate of two years' standing.

(2) Time spent by the candidate in advanced study and research in the University of Sydney before admission as a candidate may for the purpose of this By-law be deemed by the Faculty to be time spent after such admission.

13A. The Faculty may, on the recommendation of the Head of the Department concerned, terminate the candidature of a candidate who, in the opinion of the Faculty, has not made satisfactory progress towards fulfilling the requirements for the degree.

**MASTER OF ARCHITECTURE**

14. The degree of Master of Architecture is awarded in one grade only.

15. An applicant for admission as a candidate for the degree shall—

- (a) except as provided in Chapter XXVIA of these By-laws, be a Bachelor of Architecture of the University of Sydney;
- (b) apply in writing to the Faculty for admission and for approval of a field of study;
- (c) pass a preliminary examination, provided that an applicant who is a Bachelor of Architecture of the University of Sydney with first or second class honours may be exempted by the Faculty from such examination.

16. The Faculty shall appoint a member of the staff of the University to act as supervisor of the candidate.

17. A candidate shall lodge a thesis embodying the results of an original investigation by him within the approved field of study.

18. A candidate shall lodge with the Registrar four copies (printed or typewritten) of his thesis not later than the first day of November of the year previous to that in which he is to be examined for the degree. Photostat copies of drawings and diagrams will be accepted. A candidate shall state in his thesis, generally in a preface, and specifically in notes, the sources from which his information was derived, the extent to which he has availed himself of the work of others and the portion of the thesis which he claims as original. He shall not lodge as his thesis any work previously submitted for a degree of this or any other university,

XVIII: ECONOMICS:  
FACULTY RESOLUTIONS

XIX: ARCHITECTURE:  
BY-LAWS

<sup>1</sup> See Senate Resolutions this Chapter.

but he may incorporate such work in his thesis, provided that he indicates the work so incorporated.

19. (1) The Faculty shall appoint at least two examiners of whom at least one shall be an external examiner.
- (2) The examiners shall report to the Faculty of Architecture which shall determine the result of the examination.
20. (1) The degree is not conferred until the candidate is a graduate of three years' standing from the examination for the degree qualifying him for admission to candidature unless the candidate has for a period of not less than two years—or for a period of not less than one year in the case of a candidate who either is a Bachelor of Architecture of the University of Sydney with first or second class honours or has been admitted to candidature in accordance with the provisions of Chapter XXVIA, section 2 (ii) of these By-laws—engaged in advanced study and research in the University or such other place as the Faculty may approve when the degree may be conferred on a graduate of two years' standing.
- (2) Time spent by the candidate in advanced study and research in the University of Sydney before admission as a candidate may for the purpose of this By-law be deemed by the Faculty to be time spent after such admission.

21. A candidate admitted under Chapter XXVIA of these By-laws shall possess architectural attainments satisfactory to the Faculty and to the Academic Board.

21A. The Faculty may, on the recommendation of the Head of the Department concerned, terminate the candidature of a candidate who, in the opinion of the Faculty, has not made satisfactory progress towards fulfilling the requirements for the degree.

#### **DIPLOMA IN TOWN AND COUNTRY PLANNING**

22. There shall be a Diploma in Town and Country Planning (Dip.T.C.P.).

23. An applicant for admission to candidature shall apply in writing to the Registrar for such admission to candidature.

24. Admission to candidature for the Diploma in Town and Country Planning may be granted to—

- (a) graduates of the University of Sydney, or of any other university or college of advanced education approved by the Faculty of Architecture and the Academic Board, who have completed courses acceptable to the Head of the Department; or
- (b) persons who possess such qualifications as may be approved from time to time by resolution of the Senate on the recommendation of the Faculty of Architecture and the Academic Board.

25. A candidate shall complete such requirements for the Diploma as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and the Faculty of Architecture.

26. A candidate who commenced his candidature prior to 1st January, 1976 shall elect either—

- (a) to complete the requirements for the Diploma in accordance with the By-laws in force at the time he commenced, provided that he completes those requirements not later than 31st December, 1979, or by such later date as the Faculty may approve; or
- (b) to complete the requirements for the Diploma in accordance with these By-laws, in

which case he shall be granted such credit as may be approved by the Faculty on the recommendation of the Head of the Department of Town and Country Planning for courses already completed towards the Diploma.

#### **MASTER OF TOWN AND COUNTRY PLANNING**

27. There shall be a degree of Master of Town and Country Planning (M.T.C.P.).

28. An applicant for admission to candidature for the degree shall:

- (a) except as provided in Chapter XXVIA of these By-laws, be a graduate of the University of Sydney, and
- (b) have completed courses acceptable to the Head of the Department of Town and Country Planning.

29. A candidate shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Faculty of Architecture and the Academic Board.<sup>1</sup>

30. A candidate who commenced his candidature prior to 1st January, 1973 shall complete the requirements for the degree in accordance with the By-laws then in force provided that, except with the special permission of the Faculty, he completes his candidature before the beginning of the 1976 academic year.

#### **DIPLOMA IN BUILDING SCIENCE**

31. There shall be a Diploma in Building Science (Dip.Bdg.Sc.).

32. An applicant for admission to candidature shall apply in writing to the Registrar for such admission to candidature.

33. Admission to candidature for the Diploma in Building Science may be granted to:

- (i) graduates of the University of Sydney or of any other University approved by the Faculty of Architecture and the Academic Board who have completed courses acceptable to the Head of the Department, or
- (ii) persons who possess one of the following qualifications:
  - (a) a qualification in Architecture registrable by the Board of Architects of New South Wales;
  - (b) a Diploma in Engineering of the Sydney Technical College or such other similar qualification as is approved by the Faculty of Architecture and the Academic Board.

34. A candidate shall complete such requirements for the Diploma as may be prescribed by resolution from time to time by the Senate on the recommendation of the Academic Board and the Faculty of Architecture.<sup>1</sup>

35. (1) Except as provided in subsection (2), a candidate who commenced his candidature prior to 1st January, 1972, shall complete the requirements for the Diploma in accordance with the By-laws then in force provided that he completes his candidature before the beginning of the 1975 academic year.

- (2) A candidate who commenced his candidature prior to 1st January, 1972, may with the permission of the Faculty proceed in accordance with these By-laws and the Resolutions pursuant to section 34 of these By-laws and may be granted

<sup>1</sup> See Senate Resolutions this Chapter.

such standing towards the Diploma as the Faculty, on the recommendation of the Head of the Department of Architectural Science, may determine.

#### **DIPLOMA IN BUILDING SCIENCE (ENERGY-CONSERVATIVE DESIGN)**

36. There shall be a Diploma in Building Science (Energy-Conservative Design) (Dip.Bdg.Sc.(E.C.D.)).

37. An applicant for admission to candidature shall apply in writing to the Registrar for such admission to candidature.

38. Admission to candidature for the Diploma in Building Science (Energy-Conservative Design) may be granted to:

- (a) graduates of the University of Sydney, or of any other University approved by the Faculty of Architecture and the Academic Board, who have completed courses acceptable to the Head of the Department of Architectural Science; or
- (b) persons who possess one of the following qualifications:
  - (i) a qualification in architecture that would entitle a person to be registered as an architect by the Board of Architects of New South Wales; or
  - (ii) a degree or diploma in engineering of the New South Wales Institute of Technology or such other similar qualification as is approved by the Faculty of Architecture and the Academic Board.

39. A candidate shall complete such requirements for the Diploma as may be prescribed by resolution from time to time by the Senate on the recommendation of the Academic Board and the Faculty of Architecture.<sup>1</sup>

#### **MASTER OF BUILDING SCIENCE**

40. There shall be a degree of Master of Building Science (M.Bdg.Sc.).

41. An applicant for admission to candidature shall, except as provided in Chapter XXVIA of these By-laws, have obtained in the University of Sydney the degree of Bachelor of Architecture or Bachelor of Science (Architecture) or Bachelor of Science or Bachelor of Engineering or any other degree acceptable to the Faculty of Architecture.

42. A candidate shall complete such requirements for the degree as may be prescribed by resolution from time to time by the Senate on the recommendation of the Academic Board and the Faculty of Architecture.

43. (1) A candidate who holds only the degree of Bachelor of Science (Architecture) or the degree of Bachelor of Science of the University of Sydney, or an equivalent qualification shall not be admitted to the degree of Master of Building Science until he is of three years' standing from the examination for the degree qualifying him for admission to candidature.

(2) A candidate who holds only the degree of Bachelor of Science (Architecture) with Honours or the degree of Bachelor of Engineering of the University of Sydney or an equivalent qualification shall not be admitted to the degree of Master of Building Science until he is of two years' standing from the examination for the degree qualifying him for admission to candidature.

44. (1) Except as provided in subsection (2), a candidate who commenced his candidature prior to 1st

January, 1972, shall complete the requirements for the degree in accordance with the By-laws then in force, provided that he completes the courses prescribed for the degree before the beginning of the 1975 academic year and submits his thesis for examination not later than 10th December, 1976.

(2) A candidate who commenced his candidature prior to 1st January, 1972, may with the permission of the Faculty proceed in accordance with these By-laws and the Resolutions pursuant to section 42 of these By-laws and may be granted such standing towards the degree as the Faculty, on the recommendation of the Head of the Department of Architectural Science, may determine.

#### **DEGREE OF DOCTOR OF PHILOSOPHY**

45. The degree of Doctor of Philosophy shall not be conferred except as prescribed in Chapter XIXd.

#### **DEGREE OF DOCTOR OF ARCHITECTURE**

46. The degree of Doctor of Architecture shall not be conferred except as prescribed in Chapter XIXb.

#### **DIPLOMA IN ARCHITECTURAL COMPUTING**

47. There shall be a Diploma in Architectural Computing (Dip.Arch.Comp.).

48. An applicant for admission to candidature shall apply in writing to the Registrar for such admission to candidature.

49. Admission to candidature for the Diploma in Architectural Computing may be granted to:

- (i) graduates of the University of Sydney or of any other University approved by the Faculty of Architecture and the Academic Board who have completed courses acceptable to the Head of the Department of Architectural Science, or
- (ii) persons who possess one of the following qualifications:
  - (a) a qualification in Architecture that would entitle a person to be registered as an architect by the Board of Architects of New South Wales; or
  - (b) a degree or diploma in engineering of the New South Wales Institute of Technology or such other similar qualification as is approved by the Faculty of Architecture and the Academic Board.

50. A candidate shall complete such requirements for the Diploma as may be prescribed by resolution from time to time by the Senate on the recommendation of the Academic Board and the Faculty of Architecture.

#### **DIPLOMA IN ILLUMINATION DESIGN**

51. There shall be a Diploma in Illumination Design (Dip.Illum.Des.).

52. An applicant for admission to candidature shall apply in writing to the Registrar for such admission to candidature.

53. An applicant for admission to candidature for the Diploma in Illumination Design shall—

- (a) except as provided in Chapter XXVIA of these By-laws, be a graduate of the University of Sydney; and
- (b) have completed courses acceptable to the Head of the Department of Architectural Science.

54. A candidate shall complete such requirements for the Diploma as may be prescribed by resolution from

<sup>1</sup> See Senate Resolutions this Chapter.

time to time by the Senate on the recommendation of the Academic Board and the Faculty of Architecture.

#### **MASTER OF SCIENCE (ARCHITECTURE) (CONSERVATION)**

55. There shall be a degree of Master of Science (Architecture) (Conservation) (M.Sc. (Arch.) (Cons.)).

56. An applicant for admission to candidature for the degree of Master of Science (Architecture) (Conservation) shall—

- (a) except as provided in Chapter XXVIA of these By-laws, be a graduate of the University of Sydney;
- (b) apply in writing to the Registrar for admission and for approval of a field of study; and
- (c) pass a preliminary examination, provided that an applicant who is a Bachelor of Science (Architecture), or Bachelor of Architecture, of the University of Sydney with first class or second class honours may be exempted by the Faculty from such examination.

57. The Faculty shall appoint a member of the staff of the University to act as the supervisor of the candidate.

58. The degree of Master of Science (Architecture) (Conservation) shall be awarded in one grade only.

59. A candidate shall complete such requirements for the degree as may be prescribed by resolution from time to time by the Senate on the recommendation of the Academic Board and the Faculty of Architecture.

60. (1) A candidate shall submit four copies of a thesis to the Registrar.

(2) A copy of a thesis submitted by a candidate in accordance with subsection (1)—

- (a) shall be printed or typewritten;
- (b) shall embody the results of an original investigation by the candidate in a field of study approved by the Faculty in respect of the candidate;
- (c) shall make reference, generally in the preface to the thesis and specifically in the notes to the thesis, to—
  - (i) the sources from which any information contained in the thesis was derived;
  - (ii) the extent to which the candidate has made use of the work of other persons;
  - (iii) the extent to which the candidate has made use of work which forms part of any other thesis previously submitted by the candidate for any degree of this or any other institution; and
  - (iv) the portions of the thesis that are claimed to be the original work of the candidate;
- (d) shall not consist solely of work which forms part of any other thesis previously submitted by the candidate for any degree of this or any other institution; and
- (e) shall be accompanied by a certificate from the candidate's supervisor to the effect that the form of presentation of the thesis is, in the opinion of the supervisor, satisfactory.

61. (1) For the examination of a thesis the Faculty shall appoint at least two examiners, of whom at least one shall not be a member of the Faculty.

(2) The examiners shall report to the Faculty which shall determine the result of the examination.

62. The Faculty may, on the recommendation of the Head of the Department concerned, terminate the candidature of a candidate who, in the opinion of the

Faculty, has not made satisfactory progress towards completing the requirements referred to in section 59.

#### **MASTER OF LAND ECONOMY**

63. There shall be a degree of Master of Land Economy (M.L.E.)

64. An applicant for admission to candidature for the degree of Master of Land Economy shall—

- (a) except as provided in Chapter XXVIA of these By-laws, be a graduate of the University of Sydney;
- (b) have completed courses acceptable to the Head of the Department of Town and Country Planning; and
- (c) apply in writing to the Registrar for such admission to candidature.

65. A candidate shall complete such requirements for the degree as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and the Faculty of Architecture.

#### **DIPLOMA IN LAND ECONOMY**

66. There shall be a Diploma in Land Economy (Dip.L.E.)

67. An applicant for admission to candidature for the Diploma in Land Economy shall—

- (a) except as provided in Chapter XXVIA of these By-laws, be a graduate of the University of Sydney;
- (b) have completed courses acceptable to the Head of the Department of Town and Country Planning; and
- (c) apply in writing to the Registrar for such admission to candidature.

68. A candidate shall complete such requirements for the Diploma as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board and the Faculty of Architecture.

### **RESOLUTIONS OF THE SENATE**

#### **BACHELOR OF SCIENCE (ARCHITECTURE); BACHELOR OF ARCHITECTURE;**

#### **BACHELOR OF LANDSCAPE ARCHITECTURE**

Pursuant to section 3 of Chapter XIX of the By-laws the Senate make the following Resolutions for the degrees of Bachelor of Science (Architecture), Bachelor of Architecture and Bachelor of Landscape Architecture:

1. (1) A course shall consist of lectures together with such tutorial instruction, essays, exercises or practical work as may be prescribed by the Faculty on the recommendation of the Head of the Department concerned.

(2) In these Resolutions 'to complete a course' and derivative expressions mean—

- (a) to attend the lectures and the meetings, if any for tutorial instruction;
- (b) to complete satisfactorily the essays, exercises and the practical work, if any; and
- (c) to pass the examinations of the course, if any.

2. A candidate who completes a course at a standard higher than that required for a Pass may be awarded High Distinction, Distinction or Credit.

3. A candidate who has been prevented by duly credited illness or misadventure from completing a course may be required to complete that course or a supplementary course as the Faculty on the recommendation of the Head of the School of Undergraduate Studies shall determine.

4. Unless exempted by the Head of the School a candidate, having failed to complete a course and being

permitted to re-enrol, shall complete all the requirements for that course.

5. A candidate who presents himself for re-examination in any course shall not be eligible for any prize or scholarship awarded in connection with such examination.

6. (1) Each course for the degree shall—

- (a) be in such subject,
- (b) have such unit values, and
- (c) have such prerequisites as are set out in the attached Table.

(2) Notwithstanding subsection (1) the Faculty may on the recommendation of the Head of the School of Undergraduate Studies permit a candidate to enrol in a course or courses other than those specified in this table and, upon completing such a course or courses, to have such units credited towards his degree as the Faculty may determine on the recommendation of the Head of the School of Undergraduate Studies.

(3) A candidate may not count units awarded on completion of a course more than once towards a degree.

(4) For the purpose of these resolutions a prerequisite course means a course which must have been completed prior to a candidate taking a course for which the Faculty has declared it to be a prerequisite; except that the Head of the School of Undergraduate Studies may permit a candidate to proceed to a course without having completed the prerequisite where he considers the candidate has equivalent knowledge.

(5) Where a course for the degree is no longer available a candidate shall be required to complete such other course or courses as the Faculty may prescribe on the recommendation of the Head of the School of Undergraduate Studies.

(6) A candidate may with the permission of the Faculty on the recommendation of the Head of the School of Undergraduate Studies receive credit for courses previously completed at the University of Sydney or elsewhere and courses so credited will have such unit values as may be determined by the Faculty on the recommendation of the Head of the School of Undergraduate Studies.

(7) A candidate may take in one year courses whose total unit value exceeds 50 units only with the approval of the Head of the School of Undergraduate Studies, provided that no candidate may take in any one year courses whose total unit value exceeds 55 units.

(8) If in the opinion of the Faculty any change of the Resolutions relating to the requirements for the degrees of Bachelor of Science (Architecture) or Bachelor of Architecture acts to the prejudice of a candidate, that candidate may complete his candidature under such conditions as may be prescribed by the Faculty on the recommendation of the Head of the School of Undergraduate Studies subject to the authority of the Academic Board and the Senate.

#### **Bachelor of Science (Architecture)<sup>1</sup>**

7. An applicant for admission to candidature for the degree of Bachelor of Science (Architecture) shall, before such admission, produce evidence of having

matriculated in accordance with Chapter XX of the By-laws.

8. The degree shall be awarded in two grades, namely the Pass degree and the Honours degree.

#### **Pass Degree**

9. (1) A candidate to be eligible for the award of the degree shall have completed courses of total unit value of at least 135 units.

(2) A candidate for the degree shall complete the following courses:

C01.101 History and Theory of Environmental Design

C02.115 Introduction to Man-Environment Studies

C02.208 Introductory Mathematics

C02.310 Technology of Environmental Design I

C02.314 Principles of Environmental Science and Technology

C04.101 Design I

C04.104 Integrated Design II

C05.110 Communications

Provided that a candidate may complete instead of any course listed above such other course as the Head of the School of Undergraduate Studies may approve.

10. A candidate who has completed a course shall have units credited towards the completion of the degree in accordance with the following Table:

*[Continued following table]*

<sup>1</sup> A candidate who intends to proceed to the degree of Bachelor of Architecture upon completing the requirements for the degree of Bachelor of Science (Architecture) should take account of sections 19 and 20 of these Resolutions in determining his course of study.

(a) Area	(b) Course number	(c) Course title	(d) Unit value	(e) Prerequisite
Design History and Theory	C01.101	History and Theory of Environmental Design	6	—
	C01.102	History of Landscape Design	2	C01.101
	C01.104	History of Australian Landscape Design	2	C01.102
	C01.105	Art History	2	—
	C01.107	Nineteenth Century Architecture in Australia	3	C01.101
	C01.109	Theatre History and Design	2	—
	C01.110	History of Building Science A	2	—
	C01.111	History Elective A	2	C01.101
	C01.112	History Elective B	3	C01.101
	C01.113	Oriental Art and Architecture A	3	C01.101
	C01.114	Oriental Art and Architecture B	3	C01.101
	C01.115	Principles of Romantic Design	3	C01.101
	C01.118	Contemporary Design	3	C01.101
	C01.119	Baroque and Renaissance Design	3	C01.101
	C01.120	History of Urban Design A	3	C01.101
	C01.121	History of Urban Design B	3	C01.101
	C01.122	The Modern Movement in Architecture	3	C01.101
	C01.123	History Elective C	3	C01.101
	C01.124	Twentieth Century Architecture in Australia pre-1940	3	C01.101
	C01.125	Twentieth Century Architecture in Australia post-1940	3	C01.101
	C01.204	Introduction to Management	2	—
	C01.207	Theory of Architecture	3	—
	C01.208	Legal Aspects of Design Practice	2	—
	C01.212	Building Contract Law	2	C01.208
	C01.213	Information and Documentation Theory	2	—
Environmental Sciences	C02.107	Urban Ecology	3	C02.115
	C02.108	Urban Theory	3	C02.115
	C02.109	Man-Environment Studies I	4	C02.115
	C02.110	Man-Environment Studies II	4	C02.115
	C02.111	Man-Environment Studies III	4	C02.115
	C02.112	Man-Environment Studies Elective A	2	C02.115
	C02.113	Man-Environment Studies Elective B	3	C02.115
	C02.114	Man-Environment Studies Elective C	4	C02.115
	C02.115	Introduction to Man-Environment Studies	5	—
	C02.116	Environmental Horticulture	1	—
	C02.207	Statistics	2	C02.208
	C02.208	Introductory Mathematics	3	—
	C02.209	Architectural Geometry	2	C02.208
	C02.210	Quantitative Methods I	2	C02.208
	C02.310	Technologies of Environmental Design I	12	—
	C02.314	Principles of Environmental Science and Technology	4	—
	C02.315	Applications of Environmental Science and Technology	4	C02.314
	C02.316	Energy and Buildings	2	C02.314
Materials Structures and Methods	C03.210	Cost Planning and Control	2	—
	C03.214	Materials and Methods I	4	—
	C03.215	Building Fabric Performance and Selection	3	—
	C03.216	The Building Industry in Australia	2	—
	C03.217	Construction Practice II	2	C03.205
	C03.218	Construction Practice III	3	—
	C03.302	Principles of Structural Design	3	C02.310
	C03.303	Structural Steel Design	2	C03.302
	C03.304	Reinforced Concrete in Buildings	2	C03.302
	C03.305	Reinforced Concrete Design	2	C03.304
	C03.306	Mechanics of Materials	2	C03.302

(a) Area	(b) Course number	(c) Course title	(d) Unit value	(e) Prerequisite
	C03.307	Design of Timber and Masonry Structures	2	C03.302
	C03.310	Materials Science	2	—
	C03.311	Structural Materials	2	—
	C03.318	Introduction to Computers in Architecture	2	—
	C03.319	Computers in Architecture I	2	C03.318
	C03.324	Computer Graphics in Architecture	4	C03.318
Design	C04.101	Design I	15	—
	C04.104	Integrated Design II	5	C04.101
	C04.105	Elective Design II	10	C04.101
	C04.106	Integrated Design III	5	C04.104
	C04.107	Elective Design III	10	C04.105
General	C05.101	Art I	2	—
	C05.102	Art II	2	—
	C05.103	Art III	2	—
	C05.104	Art IV	2	—
	C05.105	Art V	2	—
	C05.106	Art VI	2	—
	C05.107	Art VII	2	—
	C05.108	Art VIII	2	—
	C05.109	Art IX	2	—
	C05.110	Communications	4	—
	C05.112	General Elective A	3	—
	C05.113	General Elective B	3	—
	C05.114	General Elective C	3	—
	C05.115	APL Programming in Architecture	2	C03.318
	C05.116	General Elective D	2	—
	C05.117	General Elective E	2	—
	C05.118	General Elective F	2	—
	C05.119	Basic Drawing	3	—
	C05.120	Working Drawing	3	C05.119
	C05.201	Advanced Art I	4	Two Art
	C05.202	Advanced Art II	4	courses in the
	C05.203	Advanced Art III	4	same media or related area

**Honours degree**

11. An applicant for admission to candidature for the degree with Honours shall—

- (a) except with the permission of the Faculty be of not more than three years' standing as a candidate for the Pass degree.
- (b) have qualified for the award of the Pass degree, and
- (c) be considered by the Head of the School of Undergraduate Studies to have requisite knowledge and aptitude.

12. (1) Subject to Resolution 12(2), a candidate for the Honours degree shall, in the year subsequent to qualifying for the award of the Pass degree, present a thesis on a subject approved by the Head of the School of Undergraduate Studies.

- (2) A person to whom the Pass degree of Bachelor of Science (Architecture) has been awarded may, with the permission of the Faculty and in such further time as the Faculty shall determine, be admitted to candidature for the Honours degree of Bachelor of Science (Architecture) provided that person satisfies the other requirements of these Resolutions for admission to candidature for Honours.

13. (1) There shall be three classes of Honours, namely, Class I, Class II and Class III and within

Class II there shall be two divisions, namely Division I and Division 2.

- (2) The candidate who shall have most distinguished himself at the final examination shall, if he has obtained Honours Class I and in the opinion of the Faculty possesses sufficient merit, receive a bronze medal.

- (3) Except with the special permission of the Faculty, no candidate who is of more than four years' standing as a candidate for the degree shall be awarded Honours at graduation.

**Bachelor of Architecture**

14. (1) An applicant for admission to candidature for the degree of Bachelor of Architecture shall have completed all the requirements for the degree of Bachelor of Science (Architecture) in the University of Sydney or such other degree of the University of Sydney as the Faculty of Architecture may approve or possess such equivalent standing as may be approved by the Academic Board on the recommendation of the Faculty and the Head of the School of Undergraduate Studies.
- (2) The Academic Board will regard an applicant for admission to candidature as possessing equivalent standing within the meaning of Resolution 14(1) if the applicant has completed studies

and has experience that together provide the applicant with a standard of knowledge equivalent to the standard of knowledge required of an applicant who has completed all the requirements for the degree of Bachelor of Science (Architecture) or such other degree of the University of Sydney as the Faculty of Architecture may approve.

15. The degree shall be awarded in two grades, namely, the Pass degree and the Honours degree.

*Pass degree*

16. (1) A candidate to be eligible for the award of the degree shall have completed courses of total unit value of at least 90 units.

(2) A candidate for the degree shall, before undertaking courses in accordance with subsection (3), have completed courses as prescribed in Section 19.

(3) Subject to subsection (2), a candidate shall complete—

C16.101 Architectural Design I

C16.102 Architectural Design II

C11.104 Building Programming Documentation  
C12.301 Building Services Systems  
C12.302 Building Service Applications  
C13.301 Architectural Structures and Materials  
C13.302 Architectural Structures Applications  
C14.301 Construction of Complex Buildings  
C14.302 Construction Applications  
C15.301 Contract Documentation  
C15.302 Professional Practice  
C18.301 Theory of Architecture  
C18.302 Current Architecture  
C03.318 Introduction to Computers in Architecture

provided that a candidate may, in special circumstances, complete instead of any course listed such other course or courses as the Head of the School of Undergraduate Studies may approve.

17. A candidate who has completed a course shall have units credited towards the completion of the degree in accordance with the following table:

TABLE OF COURSES FOR THE DEGREE OF BACHELOR OF ARCHITECTURE [See Resolution 17]

(a) Area	(b) Course number	(c) Course title	(d) Unit value	(e) Prerequisite
Architectural Design	C16.101	Architectural Design I	15	—
	C16.102	Architectural Design II	15	C16.101
	C16.201	Architectural Design Elective A	3	—
	C16.202	Architectural Design Elective B	5	—
History and Theory of Architecture	C18.301	Theory of Architecture	3	—
	C18.302	Current Architecture	3	—
	C01.130	Geometry, Number and Proportion 1	3	—
	C01.131	Geometry, Number and Proportion 2	3	—
	C01.132	Architecture, Myth and Symbol	3	—
	C17.125	Mathematical Modelling in Architecture	2	—
	C17.105	Design Media and Methods	2	—
	C24.302	Design Theory and Methods 2	4	—
	C70.101	Twentieth Century Landscape Movements	2	—
	C18.102	History of Building Science B	2	—
	C01.102	History of Landscape Architecture	2	—
	C01.107	Nineteenth Century Architecture in Australia	3	—
	C01.109	Theatre History and Design	2	—
	C01.110	History of Building Science A	2	—
	C01.113	Oriental Art and Architecture A	3	—
	C01.114	Oriental Art and Architecture B	3	—
	C01.119	Renaissance to Baroque Architecture	3	—
	C01.120	History of Urban Design A	3	—
	C01.121	History of Urban Design B	3	—
	C01.122	The Modern Movement in Architecture	3	—
	C01.124	Twentieth Century Architecture in Australia pre-1940	3	—
	C01.125	Twentieth Century Architecture in Australia post-1940	3	—
	C18.201	History and Theory Elective A	2	—
	C18.202	History and Theory Elective B	2	—
Building Technology and Economics	C14.301	Construction of Complex Buildings	4	—
	C14.302	Construction Applications	2	C14.301
	C14.109	Materials and Methods II	4	—
	C03.210	Cost Planning and Control	2	—
	C14.110	Cost Studies	3	C03.210
	C03.216	The Building Industry in Australia	2	—
	C14.115	Technology and Economics Elective A	2	—
	C14.116	Technology and Economics Elective B	2	—



(a) Area	(b) Course number	(c) Course title	(d) Unit value	(e) Prerequisite
Building Services and Environmental Controls	C12.301	Building Services Systems	4	—
	C12.302	Building Services Applications	2	C12.301
	C12.102	Energy Systems	2	—
	C12.109	Energy-Conservative Architectural Design	3	—
	C12.110	Acoustics	2	—
	C12.113	Wind Effects on Buildings	2	—
	C12.120	Introduction to Lighting Design	2	—
	C12.124	Solar Energy and Passive Design	3	—
	C12.203	Environmental Physics and Building Services Elective A	2	—
	C12.204	Environmental Physics and Building Services Elective B	2	—
Architectural Structures and Materials	C13.301	Architectural Structures and Materials	4	—
	C13.302	Architectural Structures Applications	2	C13.301
	C13.110	Selection of Structural Form	2	—
	C13.111	Structural and Environmental Systems	2	—
	C13.203	Architectural Structures and Materials Elective A	2	—
	C13.204	Architectural Structures and Materials Elective B	2	—
	C21.206	Model Analysis	3	—
	C03.303	Structural Steel Design	2	—
	C03.304	Reinforced Concrete in Buildings	2	—
	C03.305	Reinforced Concrete Design	2	C03.304
	C03.307	Design of Timber and Masonry Structures	2	—
Management	C15.301	Contract Documentation	2	—
	C15.302	Professional Practice	6	C15.301
	C15.206	Architectural Office Management	2	—
	C01.212	Building Contract Law	2	—
	C01.213	Information and Documentation Theory	2	—
	C15.210	Management Elective A	2	—
	C15.211	Management Elective B	2	—
Programming and Evaluation	C11.104	Building Programming Documentation	2	—
	C11.105	Master Planning	2	—
	C11.109	Building Design Practice	3	—
	C11.110	Environmental Impact and Evaluation	4	—
	C11.111	Specific Building Types Studies	2	—
	C17.121	Statistics II	2	C02.207
	C11.211	Building Programming & Evaluation Elective A	2	—
	C11.212	Building Programming & Evaluation Elective B	2	—
Architectural Computing	C17.123	Knowledge Engineering	2	—
	C17.124	Computer Applications in Architecture I	2	—
	C03.318	Introduction to Computers in Architecture	2	—
	C03.319	Computers in Architecture I	2	—
	C03.324	Computer Graphics in Architecture	4	—
	C05.115	APL Programming	2	C03.319
	C24.002	Computers in Architecture 2	4	—
	C24.005	Computer Graphics in Architecture 2	4	—
	C24.404	Knowledge Engineering 2	4	—
	C17.126	Architectural Computing Elective A	2	—
	C17.127	Architectural Computing Elective B	2	—
Conservation	C18.201	Conservation of the Built Environment	2	—
Advanced Study	C19.201	Advanced Study Report I	8	—
	C19.202	Advanced Study Report II	8	—
	C19.203	Advanced Study Report (Conservation)	8	—
Art	C17.113	Art X	2	—
	C17.114	Art XI	2	—
	C17.115	Art XII	2	—
	C17.116	Art XIII	2	—
	C17.117	Art XIV	2	—
	C17.118	Art XV	2	—

(a) Area	(b) Course number	(c) Course title	(d) Unit value	(e) Prerequisite
	C17.213	Advanced Art X	4	—
	C17.214	Advanced Art XI	4	—
	C17.215	Advanced Art XII	4	—
Landscape Architecture	C70.210	Theory & Practice of Landscape Design	2	—
	C70.502	Planting Design	6	—
	C70.202	Landscape Architecture Elective A	2	—
Town and Country Planning	C32.101	Planning and Architecture	3	—
	C32.102	Town and Country Planning Elective A	2	—

18. A candidate for the degree shall before enrolling for any of the courses for the degree, *either*—

- (a) obtain not less than 200 working days' practical experience in an architecture office or offices or in employment approved by the Head of the School of Undergraduate Studies and present a report on that experience to that Head, or
- (b) complete a programme comprising one or more of the following:
  - study
  - travel
  - research
  - practical experience in employment as approved by the Head of the School of Undergraduate Studies and present a report on that programme to that Head,
 provided that in special circumstances a candidate may be permitted by the Faculty on the recommendation of the Head of the School of Undergraduate Studies, to complete this requirement at a time other than prior to enrolling for any of the courses for the degree and further provided that a candidate who has completed all the requirements for the Honours degree of Bachelor of Science (Architecture) of the University of Sydney or such equivalent qualifications as may be approved by the Faculty of Architecture and the Academic Board may be exempted from this requirement.

19. Except with the permission of the Head of the School of Undergraduate Studies a candidate proceeding from the degree of Bachelor of Science (Architecture) to the degree of Bachelor of Architecture, shall before enrolling for any of the courses for the degree, have completed—

- (a) the following courses which are listed in the table of courses for the Bachelor of Science (Architecture) degree—
  - C01.204 Introduction to Management
  - C01.208 Legal Aspects of Design Practice
  - C02.207 Statistics
  - C02.208 Introductory Mathematics
  - C02.310 Technology of Environmental Design I
  - C02.314 Principles of Environmental Science and Technology
  - C02.315 Applications of Environmental Science and Technology
  - C03.217 Construction Practice II
  - C03.302 Principles of Structural Design
- (b) courses of a total unit value of at least 6 units selected from the following courses—

- C03.303 Structural Steel Design
- C03.304 Reinforced Concrete in Buildings
- C03.305 Reinforced Concrete Design
- C03.306 Mechanics of Materials
- C03.307 Design of Timber and Masonry Structures
- C03.310 Materials Science
- C03.311 Structural Materials
- C03.318 Introduction to Computers in Architecture
- C03.323 Computer Problem Solving

20. A candidate proceeding from the degree of Bachelor of Science (Architecture) to the degree of Bachelor of Architecture shall, before enrolling as a candidate for the degree, have completed the courses C04.105 Elective Design II, C04.106 Integrated Design III and C04.107 Elective Design III, provided that in special circumstances a candidate may be exempted from this requirement with the approval of the Faculty on the recommendation of the Head of the School of Undergraduate Studies.

21. (a) A candidate may enrol in the following courses only with the special permission of the Head of the School of Undergraduate Studies:

- C19.201 Advanced Study Report I
- C19.202 Advanced Study Report II
- C19.203 Advanced Study Report (Conservation)

- (b) except with the permission of the Head of the School of Undergraduate Studies a candidate for the degree may not enrol in any of the courses listed in subsection (a) above later than the end of Lent Term of the year in which it is intended to take the course.

#### *Honours degree*

22. Except with the special permission of the Faculty, no candidate who is of more than three years' standing as a candidate for the degree may be awarded Honours at graduation.

23. (1) There shall be two classes of Honours, namely Class I and Class II and within Class II there shall be two divisions, namely Division 1 and Division 2.

(2) The award of Honours at graduation shall depend upon the proficiency shown by a candidate in completing the courses for the degree and in completing such specific courses, if any, as may be determined by the Faculty of Architecture.

(3) The candidate who shall have most distinguished himself at the final examination shall, if he has obtained Honours Class I and in the

opinion of the Faculty possesses sufficient merit, receive a bronze medal.

#### **BACHELOR OF LANDSCAPE ARCHITECTURE**

24. (1) An applicant for admission to candidature for the degree of Bachelor of Landscape Architecture shall have completed all the requirements for the degree of Bachelor of Science (Architecture) in the University of Sydney or such other degree of the University of Sydney as the Faculty of Architecture may approve or possess such equivalent standing as may be approved by the Academic Board on the recommendation of the Faculty and the Head of the School of Undergraduate Studies.

(2) The Academic Board will regard an applicant for admission to candidature as possessing equivalent standing within the meaning of Resolution 24(1) if the applicant has completed studies and has experience that together provide the applicant with a standard of knowledge equivalent to the standard of knowledge required of an applicant who has completed all the requirements for the degree of Bachelor of Science (Architecture) or such other degree of the University of Sydney as the Faculty of Architecture may approve.

25. The degree shall be awarded in two grades, namely the Pass degree and the Honours degree.

26. A candidate to be eligible for the award of the degree shall have completed—

- (a) practical experience or an approved programme as prescribed in Resolution 27;
- (b) the prerequisite courses prescribed in Resolution 28 if applicable;
- (c) courses as prescribed in Resolution 29 of a total unit value of at least 90 units.

27. (1) Except as provided in sections (2) and (3) a candidate for the degree before enrolling in any of the courses prescribed in Resolution 29 shall—

(a) have completed the course Biology I or have been granted credit for or exemption from that course; and

(b) either

(i) obtain not less than 200 working days' practical experience in a professional landscape office or in other such employment approved by the Head of the School of Undergraduate Studies and present a report on that experience to the Head of the School of Undergraduate Studies; or

(ii) complete a programme approved by the Head of the School of Undergraduate Studies comprising one or more of study, travel, research and practical experience in employment and present a report on it to the Head of the School of Undergraduate Studies.

(2) In special circumstances a candidate may be permitted by the Faculty, on the recommendation of the Head of the School of Undergraduate Studies, to complete the requirements of section (1) after enrolling in any of the courses prescribed in Resolution 29.

(3) A candidate who has completed the requirements for the Honours degree of Bachelor of Science (Architecture) in the University of Sydney or who holds qualifications considered by the Faculty for this purpose to be equivalent may be exempted by the Faculty from the requirements of section (1) (b).

28. A candidate not proceeding from the degree of Bachelor of Science (Architecture) before enrolling in any of the courses prescribed in Resolution 29 may be required by the Faculty, on the recommendation of the Head of the School of Undergraduate Studies, to complete—

(a) the following courses from amongst those listed in the table of courses for the degree of Bachelor of Science (Architecture) in Resolution 10:

C04.101 Design I

C05.110 Communications

(b) such other courses as the Faculty, on the recommendation of the Head of the School of Undergraduate Studies, may prescribe.

29. (1) Except as provided in sections (2) and (3) a candidate shall complete courses of a total unit value of at least 90 units as follows—

(a) the courses set out in Table A;

(b) additional courses selected from those listed in Table B.

(2) In special circumstances, the Head of the School of Undergraduate Studies may reduce or increase the number of courses included in Table B.

(3) In special circumstances a candidate may be permitted by the Head of the School of Undergraduate Studies to complete instead of any course listed in Table B, another course, except that a candidate will not be given permission under this section to enrol in any of the following courses later than the last day of Lent Term in the year in which the candidate wishes to complete the course—

C70.801 Advanced Study Report I

C70.802 Advanced Study Report II

C70.803 Advanced Study Report III

*[Continued following table]*

TABLE A [See Resolution 29]

(a) Area	(b) Course number	(c) Course title	(d) Unit value
History of Landscape Design	C70.101	20th Century Landscape Movements	2
	C01.102	History of Landscape Design	2
	C01.104	History of Australian Landscape Design	2
Landscape Theory / Practice	C70.201	Theory and Practice of Landscape Design	2
Environmental Studies	C70.301	Environmental Perception	3
	C70.302	Environmental Philosophy / Ethics	2
Landscape Assessment	C70.401	Landscape Assessment	4
Landscape Technology	C70.501	Landscape Construction	6
	C70.502	Planting Design	6
Planning Law	C30.011	Planning and Environmental Law I	4
Field Courses	C70.601	Landscape Field Course I	4
	C70.602	Landscape Field Course IIA or	4
	C70.603	Landscape Field Course IIB }	
Landscape Design	C70.701	Landscape Design I	15
	C70.702	Landscape Design IIA or	15
	C70.703	Landscape Design IIB }	

TABLE B [See Resolution 29]

(a) Area	(b) Course number	(c) Course title	(d) Unit value
Botanical Sciences		Biology IJ Aux.	9
		Horticultural Botany (Modif.)	2
		Environmental Horticulture (Modif.) <sup>1</sup>	2
		Vegetation Analysis (Horticulture)	2
Land Management		Agronomy — Land Use <sup>2</sup>	3
		Coastal Land Management (Geog.)	4
		Arid Land Management (Geog.)	4
		Agricultural Land Management (Geog.)	4
Geography		Geography IA	9
		Advanced Historical Geography	4
Soil Science		Soil Science I Aux.	9
		Soil Science II (Agric.)	4
Environmental Studies	C02.109	Man-Environment Studies I	4
	C02.110	Man-Environment Studies II	4
	C02.111	Man-Environment Studies III	4
	C02.112	Man-Environment Elective A	2
	C02.113	Man-Environment Elective B	3
	C02.114	Man-Environment Elective C	4
Advanced Studies	C70.801	Advanced Study Report I	6
	C70.802	Advanced Study Report II	6
	C70.803	Advanced Study Report III	6
Management	C15.207	Contract Management Practice	6
	C15.206	Architectural Office Management	3
Planning	C30.001	Statistics for Planning	2
	C30.002	Mathematics for Planning	
	C30.010	Introduction to Planning	4
	C30.012	Economic Theory in Planning I	4
	C30.013	Planning Methods	4
	C30.014	Evolution of Development Concepts	2
	C30.015	Planning Theory and Practice	2

<sup>1</sup> Horticultural Botany is a prerequisite.

<sup>2</sup> Corequisite with Soil Science I (Aux.)

### *Honours degree*

30. Except with the permission of the Faculty, a candidate who is of more than three years' standing as a candidate for the degree may not be awarded Honours at graduation.

31. (1) There shall be two classes of Honours, namely Class I and Class II and within Class II there shall be two divisions, namely Division I and Division 2.

(2) The award of Honours at graduation shall depend on the proficiency shown by a candidate in completing the courses for the degree and in completing such specific courses, if any, as may be determined by the Faculty of Architecture.

(3) The candidate who has most distinguished himself at the final examination shall, if he has obtained First Class Honours and in the opinion of the Faculty his work has shown sufficient merit, receive a bronze medal.

### **DIPLOMA IN TOWN AND COUNTRY PLANNING**

Pursuant to Section 25 of Chapter XIX of the By-laws, the following Resolutions governing candidature for the Diploma in Town and Country Planning have been prescribed by the Senate:

1. Admission to candidature for the Diploma in Town and Country Planning may be granted to persons who possess one of the following qualifications:

- (i) The Diploma in Civil Engineering or in Local Government Engineering of the Sydney Technical College or other technical college or similar standing approved by the Faculty of Architecture and the Academic Board.
- (ii) The Municipal Engineers' Certificate issued by the Department of Local Government of New South Wales or such other similar qualifications as are approved by the Faculty of Architecture and the Academic Board.
- (iii) A qualification in Architecture registrable by the Board of Architects of New South Wales.
- (iv) The licence or certificate of registration issued by the Board of Surveyors of New South Wales or such other similar qualifications as are approved by the Faculty of Architecture and the Academic Board.
- (v) The Associate Membership of the Australian Institute of Valuers or such other similar qualifications as are approved by the Faculty of Architecture and the Academic Board.

2. Subject to section 5 (6) a candidate for the Diploma in Town and Country Planning shall proceed by coursework and advanced study.

3. Coursework shall consist of lectures and seminars together with such tutorial instruction, essays, exercises, practical work and assignments as may be prescribed by the Faculty on the recommendation of the Head of the Department of Town and Country Planning.

4. A candidate shall—

- (a) enrol in each year in accordance with the procedure prescribed by the Faculty;
- (b) attend the lectures, tutorials and seminar sessions as may be prescribed by the Head of the Department of Town and Country Planning for each course; and
- (c) complete satisfactorily such written and oral class examinations, exercises and essays as may be prescribed for each course.

5. (1) Subject to subsections (6), (7), (8) and (9), a candidate for the Diploma shall undertake coursework and courses of advanced study.

(2) Coursework and courses of advanced study for the Diploma shall—

- (a) be in such subjects;
- (b) have such unit values;
- (c) have such prerequisites; and
- (d) be subject to such conditions, as may be prescribed by the Faculty on the recommendation of the Head of the Department of Town and Country Planning.

(3) A candidate shall receive credit for courses completed on the basis of one unit for the equivalent of nine hours of lectures extending over one academic term together with appropriate practical work and assignments.

(4) A candidate may not count units awarded on completion of a course more than once towards the Diploma.

(5) For the purpose of these resolutions a prerequisite course means a course which must have been completed by a candidate prior to that candidate taking a course for which the Faculty has declared it to be a prerequisite, provided that the Head of the Department of Town and Country Planning may permit a candidate to proceed to a course without having completed the prerequisite where he considers the candidate has equivalent knowledge.

(6) A candidate shall be eligible for the award of the Diploma when the number of units credited is at least 58 units which shall include at least 12 units credited for completion of courses of advanced study.

(7) Except with the permission of the Faculty on the recommendation of the Head of the Department of Town and Country Planning, a candidate may not enrol in any one year for more than 42 units.

(8) A candidate, who has previously completed at the University of Sydney or at another University or at any other Institution as may be approved from time to time by the Faculty, work considered by the Faculty to be equivalent to courses prescribed for the diploma, may receive credit towards satisfying the requirements for the diploma for all or part of this work; provided that a maximum of 16 units may be awarded where such work previously completed has been credited towards the award of another degree, diploma or qualification of the University of Sydney or any other Institution.

(9) A candidate may—

- (a) with the permission of the Faculty on the recommendation of the Head of the Department of Town and Country Planning, enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney, or of such other Institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and
- (b) upon satisfactorily completing such course or courses be granted credit towards his Diploma for a maximum of 12 units as the Faculty may determine.

6. The Faculty may, on the recommendation of the Head of the Department of Town and Country Planning, terminate the candidature of a candidate who in the opinion of the Faculty has not made satisfactory progress towards fulfilling the requirements for the Diploma.

7. A candidate shall, except with the permission of the

Faculty on the recommendation of the Head of Department concerned, complete the requirements for the diploma—

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
- (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

#### MASTER OF TOWN AND COUNTRY PLANNING

In accordance with Chapter XIX, section 29 of the By-laws, the following Resolutions governing candidature for the degree of Master of Town and Country Planning have been prescribed by the Senate:

1. Subject to section 4 (6), a candidate for the degree of Master of Town and Country Planning shall proceed—

- (a) by coursework and dissertation;  
or
- (b) by coursework and thesis.

2. Coursework shall consist of lectures and seminars together with such tutorial instruction, essays, exercises, practical work and assignments as may be prescribed by the Faculty on the recommendation of the Head of the Department of Town and Country Planning.

3. (1) a candidate shall:

- (i) enrol in each year in accordance with the procedure prescribed by the Faculty;
- (ii) attend the lectures, tutorials and seminar sessions prescribed by the Head of the Department of Town and Country Planning for each course;
- (iii) complete satisfactorily such written and oral class examinations, exercises and essays as may be prescribed for each course.

(2) A candidate who does not satisfy the requirements set out in (ii) above may be refused permission by the Head of the Department of Town and Country Planning to present himself for an examination.

4. (1) Subject to subsections (6), (7), (8) and (9), a candidate for the Degree shall undertake coursework and courses of advanced study.

(2) Coursework and courses of advanced study for the degree shall—

- (a) be in such subject;
- (b) have such unit values;
- (c) have such prerequisites; and
- (d) be subject to such conditions,

as may be prescribed by the Faculty on the recommendation of the Head of the Department of Town and Country Planning.

(3) A candidate shall receive credit for courses completed on the basis of one unit for the equivalent of nine hours of lectures extending over one academic term together with appropriate practical work and assignments.

(4) A candidate may not count units awarded on completion of a course more than once towards the degree.

(5) For the purpose of these Resolutions a prerequisite course means a course which must have been completed by a candidate prior to that candidate taking a course for which the Faculty has declared it to be a prerequisite, provided that the Head of the Department of Town and Country Planning may permit a candidate to proceed to a course without having completed the prerequisite where he considers the candidate has equivalent knowledge.

(6) A candidate shall be eligible for the award of

the degree when the number of units credited towards the degree is at least 66 units which shall include:

- (a) at least 12 units credited for completion of courses of advanced study; or
- (b) 24 units credited for completion of a thesis.

(7) Except with the permission of the Faculty on the recommendation of the Head of the Department of Town and Country Planning, a candidate may not enrol in any one year for more than 42 units.

(8) A candidate, who has previously completed at the University of Sydney or at another University or at any other Institution as may be approved from time to time by the Faculty, work considered by the Faculty to be equivalent to courses prescribed for the degree, may receive credit towards the requirements for the degree for all or part of this work; provided that a maximum of 16 units may be awarded where such work previously completed has been credited towards the award of another degree, diploma or qualification of the University of Sydney or any other Institution.

(9) A candidate may—

- (a) with the permission of the Faculty on the recommendation of the Head of the Department of Town and Country Planning, enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney, or of such other Institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and
- (b) upon satisfactorily completing such course or courses be granted credit towards his Degree for a maximum of 12 units as the Faculty may determine.

5. (1) A candidate proceeding in accordance with section 1 (b) or (c) shall:

- (i) be supervised in the preparation of his thesis by a member of the staff of the University appointed by the Faculty of Architecture for that purpose;
- (ii) submit four copies of the thesis (printed or typewritten and suitably bound) to the Registrar before the first of November in the year preceding that in which he proposes to take the degree;
- (iii) state in his thesis, generally in a preface, and specifically in notes, the sources from which his information was derived and the extent to which he availed himself of the work of others;
- (iv) not lodge as his thesis any work previously submitted for a degree in this or any other university, but he may incorporate such work in his thesis, provided that he indicates the work so incorporated.

(2) For the examination of the thesis, the Faculty of Architecture shall appoint at least two examiners, one of whom shall not be a member of the Faculty. The examiners shall report to the Faculty, which shall determine the results of the examination.

6. The Faculty may, on the recommendation of the Head of the Department of Town and Country Planning, terminate the candidature of a candidate who in the opinion of the Faculty, has not made satisfactory progress towards fulfilling the requirements for the degree.

7. A candidate shall, except with the permission of the

Faculty on the recommendation of the Head of Department concerned, complete the requirements for the degree—

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
- (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

### **DIPLOMA IN BUILDING SCIENCE**

In accordance with Chapter XIX, section 34 of the By-laws the following Resolutions covering candidature for the Diploma in Building Science have been prescribed by the Senate:

1. A candidate for the Diploma in Building Science shall

- (i) enrol each year in accordance with the procedures prescribed by the Faculty;
- (ii) attend the lectures, seminars and tutorial sessions appropriate to a course of background and advanced study arranged in consultation with the Head of the Department of Architectural Science and approved by the Faculty of Architecture;
- (iii) pass the examinations appropriate to his course of study in the order approved by the Head of the Department of Architectural Science; and
- (iv) complete such practical work as may be prescribed by the Head of the Department of Architectural Science.

A candidate who does not satisfy the requirements set out in (i), (ii) and (iv) above may be refused permission by the Head of the Department of Architectural Science to present himself for an examination.

2. (1) Except as provided in subsection (3) a candidate for the Diploma shall select his courses from the following subject areas:

General  
History of Building Science  
Architectural Structures  
Building Materials  
Mathematical Methods  
Building Construction  
Man and Environment  
Building Economics and Management  
Building Energy Systems  
Computers  
Methodology  
Illumination

(2) A candidate who satisfies the requirements of section 1 shall receive credit for a course selected from the subject areas in subsection (1) on the basis of one unit for nine lectures extending over one academic term together with appropriate practical work. Courses available in the subject areas in subsection (1) shall be designated by Faculty, on the recommendation of the Head of the Department of Architectural Science, as either background or advanced courses.

(3) A candidate may—

- (a) with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney or of such other institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and
- (b) upon satisfactorily completing such course or courses, be granted credit towards the de-

gree for such units, to be designated as the equivalent of either background or advanced courses, and not exceeding 9 units in total, as the Faculty may determine.

(4) A candidate may with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, receive credit for work that falls within the subject areas in subsection (1), as follows:

- (a) up to 16 units for work previously completed at the University of Sydney or elsewhere not more than 4 units of which may be counted toward the requirement for advanced courses in Section 3 below, or
- (b) all units gained at the University of Sydney in the Faculty of Architecture where—
  - (i) such units have not previously been counted towards any degree or diploma, or
  - (ii) such units were taken after the coursework requirements of a degree or diploma were completed.

3. A candidate shall be eligible for the award of the Diploma on gaining a total of at least 40 units of coursework, of which at least 20 shall be in advanced courses.

4. The Diploma may be awarded to a candidate for the degree of Master of Building Science who has in the opinion of the Faculty completed work for that degree equivalent to that required in Resolution 3 and such a candidate shall thereupon cease to be a candidate for the degree of Master of Building Science.

5. The Faculty may, on the recommendation of the Head of the Department of Architectural Science, terminate the candidature of a candidate who, in the opinion of the Faculty, has not made satisfactory progress towards fulfilling the requirements for the diploma.

6. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of Department concerned, complete the requirements for the diploma—

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
- (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

### **DIPLOMA IN BUILDING SCIENCE (ENERGY-CONSERVATIVE DESIGN)**

In accordance with Chapter XIX, section 39 of the by-laws, the following resolutions governing candidature for the Diploma in Building Science (Energy-Conservative Design) have been prescribed by the Senate:

1. A candidate for the Diploma in Building Science (Energy-Conservative Design) shall—

- (i) enrol each year in accordance with the procedures prescribed by the Faculty;
- (ii) attend the lectures, seminars and tutorial sessions appropriate to a course of background and advanced study arranged in consultation with the Head of the Department of Architectural Science and approved by the Faculty of Architecture;
- (iii) pass the examinations appropriate to his course of study in the order approved by the Head of the Department of Architectural Science; and
- (iv) complete such practical work as may be prescribed by the Head of the Department of Architectural Science.

A candidate who does not satisfy the requirements set out in (i), (ii) and (iv) above may be refused permission by the Head of the Department of Architectural Science to present himself for an examination in that course.

2. (1) Except as provided in subsection (3) a candidate for the Diploma shall select his courses from the following subject areas:

General  
History of Building Science  
Mathematical Methods  
Building Construction  
Man and Environment  
Building Economics and Management  
Building Energy Systems  
Computers  
Illumination.

- (2) A candidate who satisfies the requirements of section 1 shall receive credit for a course selected from the subject areas in subsection (1) on the basis of one unit for the equivalent of nine lectures extending over one academic term together with appropriate practical work. Courses available in the subject areas in subsection (1) shall be designated by Faculty, on the recommendation of the Head of the Department of Architectural Science, as either background or advanced courses.

- (3) A candidate may—

- (a) with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney or of such other institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and

- (b) upon satisfactorily completing such course or courses, be granted credit towards the degree for such units, to be designated as the equivalent of either background or advanced courses, and not exceeding 9 units in total, as the Faculty may determine.

- (4) A candidate may with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, receive credit for work that falls within the subject areas in subsection (1), as follows:

- (a) up to 16 units for work previously completed at the University of Sydney or elsewhere not more than 4 units of which may be counted toward the requirement for advanced courses in Section 3 below, or

- (b) all units gained at the University of Sydney in the Faculty of Architecture where—

- (i) such units have not previously been counted towards any degree or diploma, or

- (ii) such units were taken after the coursework requirements of a degree or diploma were completed.

3. A candidate shall be eligible for the award of the Diploma on gaining a total of at least 40 units of coursework, of which no less than 20 shall be in advanced courses and which shall include at least 22 units gained from completion of courses in the area of study Building Energy Systems.

4. The Diploma may be awarded to a candidate for the degree of Master of Building Science who has in the opinion of the Faculty completed work for that degree

equivalent to that required in Resolution 3 and such a candidate shall therefore cease to be a candidate for the degree of Master of Building Science.

5. The Faculty may, on the recommendation of the Head of the Department of Architectural Science, terminate the candidature of a candidate who, in the opinion of the Faculty, has made unsatisfactory progress in fulfilling the requirements for the award of the Diploma.

6. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of Department concerned, complete the requirements for the diploma—

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or

- (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

## MASTER OF BUILDING SCIENCE

In accordance with Chapter XIX, section 42 of the By-laws, the following Resolutions governing candidature for the degree of Master of Building Science have been prescribed by the Senate:

1. A candidate for the degree of Master of Building Science shall:

- (i) enrol in each year in accordance with the procedure prescribed by the Faculty;

- (ii) attend the lectures, seminars and tutorial sessions appropriate to a course of background and advanced study arranged in consultation with the Head of the Department of Architectural Science and approved by the Faculty of Architecture;

- (iii) pass the examinations appropriate to his course of study in the order approved by the Head of the Department of Architectural Science;

- (iv) complete such practical work as may be prescribed by the Head of the Department of Architectural Science; and

- (v) undertake an original investigation on a subject approved by the Head of the Department of Architectural Science under the supervision of a member of the teaching staff of the University appointed by the Faculty of Architecture, and submit a dissertation embodying the results of the investigation.

A candidate who does not satisfy the requirements set out in (i), (ii), and (iv) above may be refused permission by the Head of the Department of Architectural Science to present himself for an examination.

2. (1) Except as provided in subsection (3) a candidate for the degree shall select his courses from the following subject areas:

General  
History of Building Science  
Architectural Structures  
Building Materials  
Mathematical Methods  
Building Construction  
Man and Environment  
Building Economics and Management  
Building Energy Systems  
Computers  
Methodology  
Illumination

- (2) A candidate who satisfies the requirements of section 1 shall receive credit for a course selected from the subject areas in subsection (1) on the basis of one unit for nine lectures extending over one academic term together with appropriate



practical work. Courses available in the subject areas in subsection (1) shall be designated by Faculty, on the recommendation of the Head of the Department of Architectural Science, as either background or advanced courses.

(3) A candidate may—

- (a) with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney or of such other institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and
  - (b) upon satisfactorily completing such course or courses, be granted credit towards the degree for such units, to be designated as the equivalent of either background or advanced courses, and not exceeding 9 units in total, as the Faculty may determine.
- (4) A candidate may with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, receive credit for work that falls within the subject areas in subsection (1), as follows:
- (a) up to 16 units for work previously completed at the University of Sydney or elsewhere not more than 4 units of which may be counted toward the requirement for advanced courses in Section 3 below, or
  - (b) all units gained at the University of Sydney in the Faculty of Architecture where—
    - (i) such units have not previously been counted towards any degree or diploma, or
    - (ii) such units were taken after the coursework requirements of a degree or diploma were completed.

3. Except as provided in section 44 of Chapter XIX of the By-laws, a candidate shall be eligible for the award of the degree on gaining a total of at least 40 units of coursework, of which not less than 20 shall be advanced courses, and in addition satisfactorily completing the dissertation referred to in section 1 (v) above.

4. A candidate will be encouraged to select a subject for his original investigation based on his professional experience and research interests. He shall present progress reports on his investigation from time to time at research seminars arranged by the Head of the Department of Architectural Science.

5. A candidate shall submit three copies of the dissertation (printed or typewritten) to the Registrar. A candidate shall state in his dissertation, generally in a preface, and specifically in notes, the sources from which his information was derived and the extent to which he has availed himself of the work of others. He shall not lodge as his dissertation any work previously submitted for a degree in this or any other university, but he may incorporate such work in his dissertation, provided that he indicates the work so incorporated.

6. *Repealed*

7. The Faculty may, on the recommendation of the Head of the Department of Architectural Science, terminate the candidature of a candidate who, in the opinion of the Faculty, has not made satisfactory progress towards fulfilling the requirements for the degree.

8. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of De-

partment concerned, complete the requirements for the degree—

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
- (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

## DIPLOMA IN ARCHITECTURAL COMPUTING

In accordance with Chapter XIX, section 50 of the By-laws, the following Resolutions governing candidature for the Diploma in Architectural Computing have been prescribed by the Senate.

1. A candidate for the Diploma in Architectural Computing shall:

- (i) enrol each year in accordance with the procedures prescribed by the Faculty;
- (ii) attend the lectures, seminars and tutorial sessions appropriate to a course of background and advanced study arranged in consultation with the Head of the Department of Architectural Science and approved by the Faculty of Architecture;
- (iii) pass the examinations appropriate to his course of study in the order approved by the Head of the Department of Architectural Science; and
- (iv) complete such practical work as may be prescribed by the Head of the Department of Architectural Science.

A candidate who does not satisfy the requirements set out in (i), (ii) and (iv) above in a particular course may be refused permission by the Head of the Department of Architectural Science to present himself for an examination in that course.

2. (1) Except as provided in subsection (3) a candidate for the Diploma shall select his courses from the following subject areas:

General  
History of Building Science  
Mathematical Methods  
Building Economics and Management  
Computers  
Methodology  
Practical

(2) A candidate who satisfies the requirements of section 1 shall receive credit for a course selected from the subject areas in subsection (1) on the basis of one unit for nine lectures extending over one academic term together with appropriate practical work. Courses available in the subject areas in subsection (1) shall be designated by Faculty, on the recommendation of the Head of the Department of Architectural Science, as either background or advanced courses.

(3) A candidate may—

- (a) with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney or of such other institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and
- (b) upon satisfactorily completing such course or courses, be granted credit towards the degree for such units, to be designated as the equivalent of either background or advanced courses, and not exceeding 9 units in total, as the Faculty may determine.

- (4) A candidate may with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, receive credit for work that falls within the subject areas in subsection (1), as follows:
  - (a) up to 16 units for work previously completed at the University of Sydney or elsewhere not more than 4 units of which may be counted toward the requirement for advanced courses in Section 3 below, or
  - (b) all units gained at the University of Sydney in the Faculty of Architecture where—
    - (i) such units have not previously been counted towards any degree or diploma, or
    - (ii) such units were taken after the coursework requirements of a degree or diploma were completed.
3. A candidate shall be eligible for the award of the Diploma on gaining a total of at least 40 units of coursework, of which no less than 20 shall be in advanced courses and which shall include at least 24 units from the areas 'Methodology' and 'Computing' and 4 units from the area 'Practical Work'.
4. The Diploma may be awarded to a candidate for the degree of Master of Building Science who has in the opinion of the Faculty completed work for that degree equivalent to that required in Resolution 3 and such a candidate shall thereupon cease to be a candidate for the degree of Master of Building Science.
5. The Faculty may on the recommendation of the Head of the Department of Architectural Science terminate the candidature of a candidate who in the opinion of the Faculty, has made unsatisfactory progress in fulfilling the requirements for the award of the Diploma.
6. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of Department concerned, complete the requirements for the diploma—
  - (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
  - (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

#### DIPLOMA IN ILLUMINATION DESIGN

In accordance with Chapter XIX, Section 54, of the By-laws, the following Resolutions governing candidature for the Diploma in Illumination Design have been prescribed by the Senate.

1. A candidate for the Diploma in Illumination Design shall:
  - (i) enrol each year in accordance with the procedures prescribed by the Faculty;
  - (ii) attend the lectures, seminars and tutorial sessions appropriate to a course of background and advanced study arranged in consultation with the Head of the Department of Architectural Science and approved by the Faculty of Architecture;
  - (iii) pass the examinations appropriate to his course of study in the order approved by the Head of the Department of Architectural Science; and
  - (iv) complete such practical work as may be prescribed by the Head of the Department of Architectural Science.

A candidate who does not satisfy the requirements set out in (i), (ii) and (iv) above may be refused permission by the Head of the Department of Architectural Science to present himself for an examination in that course.

2. (1) Except as provided in subsection (3) a candidate for the Diploma shall select his courses from the following subject areas:
  - General
  - History of Building Science
  - Mathematical Methods
  - Man and Environment
  - Building Economics and Management
  - Building Energy Systems
  - Computers
  - Illumination(2) A candidate who satisfies the requirements of section 1 shall receive credit for a course selected from the subject areas in subsection (1) on the basis of one unit for nine lectures extending over one academic term together with appropriate practical work. Courses available in the subject areas in subsection (1) shall be designated by Faculty, on the recommendation of the Head of the Department of Architectural Science, as either background or advanced courses.
- (3) A candidate may—
  - (a) with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney or of such other institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and
  - (b) upon satisfactorily completing such course or courses, be granted credit towards the degree for such units, to be designated as the equivalent of either background or advanced courses, and not exceeding 9 units in total, as the Faculty may determine.
- (4) A candidate may with the permission of the Faculty on the recommendation of the Head of the Department of Architectural Science, receive credit for work that falls within the subject areas in subsection (1), as follows:
  - (a) up to 16 units for work previously completed at the University of Sydney or elsewhere not more than 4 units of which may be counted toward the requirement for advanced courses in Section 3 below, or
  - (b) all units gained at the University of Sydney in the Faculty of Architecture where—
    - (i) such units have not previously been counted towards any degree or diploma, or
    - (ii) such units were taken after the coursework requirements of a degree or diploma were completed.
3. A candidate shall be eligible for the award of the Diploma on gaining a total of at least 40 units of coursework, of which no less than 20 shall be in advanced courses and which shall include at least 22 units gained from completion of courses in the area of study Illumination.
4. The Diploma may be awarded to a candidate for the degree of Master of Building Science who has in the opinion of the Faculty completed work for that degree equivalent to that required in Resolution 3 and such a candidate shall thereupon cease to be a candidate for the degree of Master of Building Science.
5. The Faculty may, on the recommendation of the Head of the Department of Architectural Science, terminate the candidature of a candidate who, in the opinion of the Faculty, has made unsatisfactory pro-

gress in fulfilling the requirements for the award of the Diploma.

6. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of Department concerned, complete the requirements for the diploma—

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
- (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

## MASTER OF LAND ECONOMY

Pursuant to section 64 of Chapter XIX of the By-laws, the Senate has prescribed the following Resolutions governing candidature for the degree of Master of Land Economy:

1. A candidate shall:

- (a) engage in the University of Sydney in the study of Land Economy either full time for not less than two years or part time for not less than three years;
- (b) enrol each year in accordance with the procedure prescribed by the Faculty of Architecture;
- (c) complete the courses in the Table attached to these resolutions together with such practical and other work as may be specified by the Head of the Department of Town and Country Planning, in consultation with the member of the academic staff who is the Director of Studies in Land Economy;
- (d) receive credit for courses satisfactorily completed on the basis of one unit for the equivalent of nine hours of lectures extending over one academic term together with appropriate practical work and assignments; and
- (e) complete a thesis of about 15 000 words on a subject approved by the Head of the Department, in consultation with the Director of Studies in Land Economy.

2. The Faculty shall appoint a member of the staff of the University to act as the supervisor of the candidate.

3. (1) A candidate shall submit four copies of the thesis to the Registrar.

(2) A copy of the thesis submitted by a candidate in accordance with subsection (1)—

- (a) shall be printed or typewritten;
- (b) shall embody the results of an original investigation by the candidate in a field of study approved by the Faculty in respect of the candidate;
- (c) shall make reference, generally in the preface to the thesis and specifically in the notes to the thesis, to—
  - (i) the sources from which any information contained in the thesis was derived;
  - (ii) the extent to which the candidate has made use of the work of other persons;
  - (iii) the extent to which the candidate has made use of work which forms part of any other thesis previously submitted by the candidate for any degree of this or any other institution; and
  - (iv) the portions of the thesis that are claimed to be the original work of the candidate;
- (d) shall not consist solely of work which forms part of any other thesis previously submitted by the candidate for any degree of this or any other institution; and
- (e) shall be accompanied by a certificate from the candidate's supervisor to the effect that the form of presentation of the thesis is, in the opinion of the supervisor, satisfactory.

4. (1) For the examination of the thesis the Faculty shall appoint at least two examiners, of whom at least one shall not be a member of the Faculty.

(2) The examiners shall report to the Faculty which shall determine the result of the examination.

(3) If the result of the examination of the thesis is satisfactory, the candidate shall be credited with 16 units.

5. A candidate shall be eligible for the award of the degree when the number of units credited is at least 68, of which 16 shall be for the thesis prescribed in Resolution 1 (e) and at least 52 shall be for coursework prescribed in Resolution 1 (c).

6. A candidate who has previously completed, at the University of Sydney or at another university or at any other institution as may be approved from time to time by the Faculty, work considered by the Faculty to be equivalent to courses prescribed for the degree, may receive credit for up to 16 units towards satisfying the requirements for the degree for all or part of this work, provided that where such work previously completed has been credited towards the award of another degree, diploma or qualification of the University of Sydney or any other institution, this credit shall only be granted where the Faculty, on the recommendation of the Head of the Department of Town and Country Planning in consultation with the Director of Studies in Land Economy deem there to be exceptional circumstances applicable.

7. A candidate may—

- (a) with the permission of the Faculty on the recommendation of the Head of the Department of Town and Country Planning in consultation with the Director of Studies in Land Economy enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney, or of such other institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and
- (b) upon satisfactorily completing such course or courses be granted credit towards the degree for such units as the Faculty may determine.

8. The Faculty may, on the recommendation of the Head of the Department of Town and Country Planning, in consultation with the Director of Studies in Land Economy, terminate the candidature of a candidate who, in the opinion of the Faculty, has not made satisfactory progress towards fulfilling the requirements for the degree of Master of Land Economy.

9. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of Department concerned, complete the requirements for the degree—

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
- (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

## DIPLOMA IN LAND ECONOMY

Pursuant to section 67 of Chapter XIX of the By-laws, the Senate has prescribed the following Resolutions governing candidature for the Diploma in Land Economy:

1. Admission to candidature for the Diploma in Land Economy may be granted to applicants who possess one of the following qualifications:

- (i) The Diploma in Civil Engineering or in Local Government Engineering of the

TABLE OF COURSES M.L.E. [See Resolution 1(c)]

Area	Subject	Unit value
Law	Law in Land Economy I	5
	Law in Land Economy II	5
Economics	Land Economy I	4
	Land Economy II	4
	Land Economy III	6
	Accounting Principles in Land Economy	4
Quantitative Methods	Applied Statistics in Land Economy	2
	Mathematical Methods in Land Economy	4
	Property Investment Analysis	6
Town Planning	Introduction to Planning	4
Land Policy	Comparative Land policy	6
	Urban Property Management	2
TOTAL		52

Sydney Technical College or other technical college of similar standing approved by the Faculty of Architecture and the Academic Board.

- (ii) The Municipal Engineers' Certificate issued by the Department of Local Government of New South Wales or such other similar qualifications as are approved by the Faculty of Architecture and the Academic Board.
- (iii) A qualification that would entitle a person to be registered as an Architect by the Board of Architects of New South Wales.
- (iv) The licence or certificate of registration issued by the Board of Surveyors of New South Wales or such other similar qualifications as are approved by the Faculty of Architecture and the Academic Board.
- (v) The Associate Membership of the Australian Institute of Valuers or such other similar qualifications as are approved by the Faculty of Architecture and the Academic Board.

2. A candidate shall:

- (a) engage in the University of Sydney in the study of Land Economy either full time for not less than two years or part time for not less than three years;
- (b) enrol each year in accordance with the procedure prescribed by the Faculty of Architecture;
- (c) complete the courses in the Table attached to these resolutions together with such practical and other work as may be specified by the Head of the Department of Town and Country Planning, in consultation with the member of the academic staff who is the Director of Studies in Land Economy; and
- (d) receive credit for courses satisfactorily completed on the basis of one unit for the equivalent of nine hours of lectures extending over one academic term together with appropriate practical work and assignments.

3. A candidate shall be eligible for the award of the Diploma when the number of units credited is at least 52.

4. A candidate who has previously completed, at the University of Sydney or at another university or at any

other institution as may be approved from time to time by the Faculty, work considered by the Faculty to be equivalent to courses prescribed for the diploma, may receive credit for up to 16 units towards satisfying the requirements for the diploma for all or part of this work, provided that where such work previously completed has been credited towards the award of another degree, diploma or qualification of the University of Sydney or any other institution, this credit shall only be granted where the Faculty, on the recommendation of the Head of the Department of Town and Country Planning in consultation with the Director of Studies in Land Economy deem there to be exceptional circumstances applicable.

5. A candidate may—

- (a) with the permission of the Faculty on the recommendation of the Head of the Department of Town and Country Planning in consultation with the Director of Studies in Land Economy enrol in a course or courses prescribed for such other degree or diploma of the University of Sydney, or of such other institution as may be approved by the Faculty, provided that such permission shall be given only if the course is deemed to be of an appropriate standard; and
- (b) upon satisfactorily completing such course or courses be granted credit towards his diploma for such units as the Faculty may determine.

6. The Faculty may deem time spent or work done towards the degree of Master of Land Economy to be time spent or work done towards the Diploma in Land Economy, provided that the candidate has ceased to be a candidate for the degree of Master of Land Economy.

7. The Faculty, may on the recommendation of the Head of the Department of Town and Country Planning, in consultation with the Director of Studies in Land Economy, terminate the candidature of a candidate who, in the opinion of the Faculty, has not made satisfactory progress towards fulfilling the requirements for the diploma.

8. A candidate shall, except with the permission of the Faculty on the recommendation of the Head of Department concerned, complete the requirements for the diploma—

- (a) if a full-time candidate by no later than the end of the ninth term of candidature; or
- (b) if a part-time candidate by no later than the end of the eighteenth term of candidature.

TABLE OF COURSES Dip.L.E. [See Resolution 2(c)]

Area	Subject	Unit value
Law	Law in Land Economy I	5
	Law in Land Economy II	5
Economics	Land Economy I	4
	Land Economy II	4
	Land Economy III	6
	Accounting Principles in Land Economy	4
Quantitative Methods	Applied Statistics in Land Economy	2
	Mathematical Methods in Land Economy	4
	Property Investment Analysis	6
Town Planning	Introduction to Planning	4
Land Policy	Comparative Land Policy	6
	Urban Property Management	2
TOTAL		52

XIX: ARCHITECTURE:  
SENATE RESOLUTIONS  
FACULTY RESOLUTIONS

## RESOLUTIONS OF THE FACULTY

### BACHELOR OF ARCHITECTURE

Pursuant to section 23 (2) of the Resolutions of the Senate relating to the degree of Bachelor of Architecture, the Faculty has resolved that to be considered for the award of honours a candidate for the degree must include in the courses he takes at least one course of advanced study including any of those courses titled Advanced Study Report or such other specific courses as may be approved by the Faculty on the recommendation of the Head of the School of Undergraduate Studies.

### DEGREE OF MASTER OF TOWN AND COUNTRY PLANNING AND DIPLOMA IN TOWN AND COUNTRY PLANNING

1. Pursuant to section 4 (2) of the Resolutions of the Senate relating to the degree of Master of Town and Country Planning and section 5 (2) of the Resolutions of the Senate relating to the Diploma in Town and Country Planning and subject to Resolution 2 of these Resolutions, the Faculty has prescribed the following coursework and courses of advanced study which may be taken by candidates for the degree and the diploma—[see table following]

2. Pursuant to Section 4(2)(d) of the Resolutions of the Senate relating to the degree of Master of Town and Country Planning and Section 5(2)(d) of the Resolutions of the Senate relating to the Diploma in Town and Country Planning the Faculty has resolved that a candidate may enrol in coursework titled Study Report and in courses of advanced study titled Advanced Study Report and a Dissertation only with the per-

mission of the Head of the Department of Town and Country Planning.

3. A candidate for the degree of Master of Town and Country Planning or the Diploma in Town and Country Planning shall complete all those courses presented in the area of Foundation Studies; provided that a candidate may be exempted from the course 'Mathematics for Planning' by the Faculty on the recommendation of the Head of the Department or Town and Country Planning subject to the demonstration by the candidate that the required level of assumed knowledge has been attained.

4. [Repealed.]

5. A candidate for the degree of Master of Town and Country Planning or the Diploma in Town and Country Planning shall complete at least 8 units from the Elective Core area.

6. A candidate for the degree of Master of Town and Country Planning or for the Diploma in Town and Country Planning who enrolled prior to 1986 shall be entitled to complete the requirements for advanced study from the courses listed in the Table of Courses of Advanced Study M.T.C.P. and Dip.T.C.P. for students enrolled prior to 1986 (see table).

### DEGREE AND DIPLOMAS IN ARCHITECTURAL SCIENCE

Pursuant to Resolution 2(1) of the resolutions of the Senate relating to the M.Bdg.Sc. degree, and to Resolution 2(1) of the resolutions of the Senate relating to each of the diplomas Dip.Bdg.Sc., Dip.Bdg.Sc. (E.-C.D.), Dip.Arch.Comp. and Dip.Illum.Des., the Faculty has prescribed the following courses which may be taken by candidates for the degree and the diplomas —

TABLE OF COURSES OF ADVANCED STUDY M.T.C.P. AND DIP.T.C.P. [See Resolution 1]

(a) Area	(b) Course number	(c) Course title	(d) Unit value	(e) Prerequisite
Foundation Studies in Planning (Mandatory Courses)	C30.002	Mathematics for Planning	—	—
	C30.003	Quantitative Methods	6	—
	C30.010	Introduction to Planning	4	—
	C30.011	Planning Law	4	—
	C30.012	Economic Theory in Planning I	4	—
	C30.016	Planning Processes and Procedures	4	—
Elective Core (8 units are mandatory)	C30.050	Urban and Regional Development Planning I	4	—
	C30.051	Urban Land Economics I	4	—
	C30.052	Public Economics I	4	—
	C30.053	Urban Policy and Planning I	4	C30.010
	C30.054	Physical Planning I	4	—
Elective Courses History and Practice of Urban and Regional Planning	C30.114	Public Administration in Planning	4	—
	C30.115	Management Practice in Planning	4	—
	C30.119	Urban Policy and Planning II	4	C30.053
Methodologies for Planning	C30.219	Introduction to Computing in Planning	4	—
	C30.225	Programmable Calculator Application in Planning	2	—
Environmental and Physical Planning	C30.306	Environmental Systems	4	—
	C30.313	Physical Planning II	4	C30.054
	C30.314	Urban Design	4	—
	C30.315	Transportation Planning	4	—
	C30.317	Environmental Design	4	C30.313
	C30.319	Settlement Development Processes	4	—
	C30.320	Conservation Planning	4	—
Economic Policy and Planning	C30.419	Economic Theory in Planning II	4	—
	C30.420	Economic Theory in Planning III	4	—
	C30.422	Planning Law II	4	—
	C30.423	Planning for Rural and Resource-Based Communities	4	—
Social Policy and Planning	C30.517	Social Impact Assessment	4	—
	C30.518	Housing and Planning	4	—
	C30.519	Management of Urban Change	4	—
	C30.520	Development Control	4	—
Development Planning	C30.608	Urban and Regional Development Practice	4	—
	C30.615	Urban and Regional Development Theory II	4	C30.050
General	C30.801	Case Studies A	2	—
	C30.802	Case Studies B	2	—
	C30.803	Case Studies C	2	—
	C30.804	Case Studies D	2	—
	C30.805	Case Studies E	2	—
	C30.810	Study Report I	4	—
	C30.811	Study Report II	4	—
	C30.812	Study Report III	4	—
	C30.210	Dissertation I	12	—
	C30.704	Thesis	24	—
Students enrolled before 1 January 1986 may take the following courses:				
	C31.110	Advanced Study Report I	8	—
	C31.111	Advanced Study Report II	8	—
	C31.112	Advanced Study Report III	8	—
	C31.703	Dissertation	16	—
	C31.704	Thesis	24	—

(a) Area	(b) Course number	(c) Course title	(d) Background or Advanced	(e) Unit value
General	C21.001	General Elective A	Advanced	4
	C21.002	General Elective B	Advanced	4
	C21.003	General Elective C	Advanced	3
	C21.004	General Elective D	Advanced	3
	C21.005	General Elective E	Advanced	2
	C21.006	General Elective F	Advanced	2
History of Building	C.01.111	History of Building Science A	Background	2
	C18.102	History of Building Science B	Background	2
	C21.101	History and Philosophy of Science	Background	2
	C21.106	History of Architecture Elective	Background	3
Architectural Structures	C13.110	Selection of Structural Form	Background	2
	C21.206	Model Analysis	Advanced	3
	C21.220	Tall Buildings Structural Systems	Advanced	4
	C21.221	Architectural Structures Elective	Advanced	4
Building Materials	C21.301	Building Materials I	Background	2
	C21.320	Building Materials Elective	Advanced	4
Mathematical Methods	C02.207	Statistics	Background	2
	C21.402	Statistical Methods	Background	2
	C21.405	Numerical Methods	Background	2
	C21.407	Introduction to Architectural Geometry	Background	2
Building Construction	C21.501	Building Construction	Background	4
	C21.520	Building Construction Elective	Advanced	4
	C21.521	Building Security Elective	Advanced	3
Man and Environment	C21.113	Wind Effects on Buildings	Background	2
	C21.601	Architectural Acoustics I	Background	3
	C21.602	Architectural Acoustics II	Advanced	2
	C21.603	Acoustic Measurement	Advanced	2
	C21.607	Tropical Architecture I	Background	2
	C21.609	Tropical Architecture Elective	Advanced	4
	C21.620	Acoustics Elective	Advanced	4
	C21.621	Wind Effects Elective	Advanced	4
Building Economics and Management	C21.702	Building Economics	Background	2
	C21.703	Economic Feasibility Studies	Background	2
	C21.720	Management Elective	Advanced	4
	C21.721	Building Economics Elective	Advanced	4
Computers	C24.012	Introduction to Computers in Architecture	Background	2
	C24.013	Computers in Architecture I	Advanced	2
	C24.002	Computers in Architecture II	Advanced	4
	C24.004	Computer Graphics in Architecture I	Background	4
	C24.005	Computer Graphics in Architecture II	Advanced	4
	C24.006	Computer Graphics in Architecture III	Advanced	4
	C24.009	APL Programming in Architecture	Background	2
	C24.010	Computer Applications in Architecture I	Background	2
	C24.011	Computer Applications in Architecture II	Advanced	4
Methodology	C24.301	Design Theory and Methods I	Background	2
	C24.302	Design Theory and Methods II	Advanced	4
	C24.303	Design Theory and Methods III	Advanced	4
	C24.403	Knowledge Engineering I	Background	2
	C24.404	Knowledge Engineering II	Advanced	4
	C24.405	Knowledge Engineering III	Advanced	4
Practical	C24.602	Practical Work I	Advanced	4
	C24.603	Practical Work II	Advanced	6

(a) Area	(b) Course number	(c) Course title	(d) Background or Advanced	(e) Unit value
Illumination	C12.120	Introduction to Lighting Design	Background	2
	C25.001	Vision and Visual Perception	Advanced	2
	C25.002	Visual Field and Human Factors	Advanced	2
	C25.003	Laboratory Programme	Advanced	2
	C25.004	Photometric Concepts and Photometry	Advanced	2
	C25.005	Light Sources	Advanced	2
	C25.006	Luminaires	Advanced	2
	C25.007	Interior Lighting Design I	Advanced	2
	C25.008	Interior Lighting Design II	Advanced	2
	C25.009	Exterior Lighting Design	Advanced	2
	C25.010	Practical Project	Advanced	4
Building Energy Systems	C12.102	Energy Systems	Background	2
	C12.301	Building Services Systems	Background	4
	C12.124	Solar Energy and Passive Design	Background	3
	C26.103	Thermal Properties of Buildings I	Background	2
	C26.104	Thermal Properties of Buildings II	Advanced	2
	C26.111	Energy Management in Buildings	Advanced	3
	C26.112	Integrated Design of Environments	Advanced	4
	C26.113	Electricity in Buildings	Background	2
	C26.114	Building Energy Analysis	Advanced	4
	C26.116	Building Climatology and Thermal Comfort	Background	3
	C26.120	Building Services Elective	Advanced	4
	C26.121	Low Energy Systems Elective	Advanced	4

#### BOARD OF EXAMINERS

Pursuant to section 12 of Chapter VIII of the By-laws, the Faculty appoints the following as members of the Board of Examiners which shall be responsible for the conduct of examinations in respect of candidates for the degrees of Bachelor of Science (Architecture) and Bachelor of Architecture:

—The Professors, Readers, Associate Professors, Senior Lecturers, Lecturers, Principal Tutors, Senior Tutors and Assistant Lecturers, being full-time permanent or full-time temporary members of the teaching staff, in the Departments of Architecture, Architectural Science and Town and Country Planning;

—The Director of the Sydney University Art Workshop;

—Such part-time members of the teaching staff with responsibility for the general conduct of particular courses in the curriculum who are members of the Faculty of Architecture.

The Head of the School of Undergraduate Studies in the Faculty of Architecture shall be Chairman of the Board of Examiners.

#### BOARD OF POSTGRADUATE STUDIES

Pursuant to section 13 of Chapter VIII of the By-laws the Faculty has resolved as follows:

1. There shall be one Board of Postgraduate Studies of the Faculty of Architecture which shall be responsible for all matters related to candidature for postgraduate degrees or diplomas in Architecture, Building Science and Town and Country Planning. Its membership shall comprise the persons referred to in subsections (i), (ii) and (iii) of section 1 (1) of Chapter XIX of the By-laws.

2. (1) Subject to Resolution 1 of the Resolutions of the Senate relating to Deans of Faculties, the Board shall elect one of its members who shall be Chairman.

(2) The Chairman shall hold office for the term of two years from the first day of January in the year following the election.

(3) The election of the Chairman shall be held in the period between the third Monday in September and the third Monday in October of every alternative year commencing in 1977.



# Degrees in more than one faculty or board of studies

# Degree of Doctor other than the degrees of Doctor of Medicine, Doctor of Dental Science, Doctor of Music and Doctor of Philosophy

XIX: ARCHITECTURE:  
FACULTY RESOLUTIONS  
XIXA: DEGREES IN MORE  
THAN ONE FACULTY OR  
BOARD OF STUDIES  
XIXa: DOCTORATES  
(OTHER THAN MD, DDSc,  
DMus, PhD)

## BY-LAWS CHAPTER XIXA

1. A graduate in one Faculty or Board of Studies who desires to obtain a degree in a second Faculty or Board of Studies shall be required:

- (a) except where elsewhere provided in the By-laws to attend courses for at least two years in the second Faculty or Board of Studies;
- (b) to select courses that he has not already taken for his first degree;
- (c) to obtain the approval of the second Faculty or Board of Studies of the courses which he proposes to take.

2. (1) Except as provided in subsection (2) or elsewhere in the By-laws an undergraduate who enrolls in more than one Faculty or Board of Studies in any one academic year shall not be allowed to count a course passed in one Faculty or Board of Studies as a qualifying course in another Faculty or Board of Studies nor shall he, on proceeding to one degree, be eligible for any of the concessions set out in the preceding paragraph in respect of any other degree for which he is still a candidate. (2) A Faculty or Board of Studies may permit a graduate in another Faculty or Board of Studies who enrolled as an undergraduate in the two Faculties or Boards of Studies in the one academic year to count a course passed in the other Faculty or Board of Studies as a qualifying course in the Faculty or Board of Studies provided that (a) such a graduate would be given no greater concession than a graduate who had not enrolled in more than one Faculty or Board of Studies in any year; and (b) that he meets the requirements of section 1.

## BY-LAWS CHAPTER XIXB

1. This Chapter of the By-laws shall apply to the degree of Doctor other than the degrees of Doctor of Medicine, Doctor of Dental Science, Doctor of Music and Doctor of Philosophy.

2. The degree of Doctor shall be awarded on the recommendations of the Faculty concerned, or, in the case of the degree of Doctor of Divinity, the Board of Studies in Divinity, for published work which, in the opinion of the examiners, has been generally recognized by scholars in the field concerned as a distinguished contribution to knowledge.<sup>1</sup>

3. (1) Except as provided elsewhere in this Chapter, a candidate for the degree of Doctor in a Faculty shall have qualified for a degree awarded in that Faculty.

(2) Except in the case of the Faculty of Veterinary Science, a Faculty may admit as a candidate for the degree of Doctor in that Faculty a graduate of another Faculty.

(3) A Faculty may recommend to the Academic Board that an applicant be admitted to candidature for the degree of Doctor in that Faculty, who—

(a) holds a degree or qualification of another university or institution which the Academic Board on the recommendation of the Faculty has determined to be equivalent to at least a degree of Bachelor of the University of Sydney awarded in that Faculty, and

(b) has had such continuing association with the academic work of the University of Sydney and over such period as the Academic Board on the recommendation of the Faculty shall determine is appropriate.

4. Notwithstanding Section 3, a candidate for the degree of Doctor of Divinity shall—

(a) be a Bachelor of Divinity of the University of Sydney; or

(b) be a graduate in any Faculty of the University of Sydney and have taken a degree in Divinity or its equivalent at some institution approved by the Academic Board on the recommendation of the Board of Studies in Divinity.

5. (1) A candidate shall submit to the Registrar five copies of the published work which he wishes to

<sup>1</sup> For the submission of published work for examination for the degree of Doctor of Science, see the resolutions of the Faculty of Science appended to Chapter XIII.

have examined. The publications, which shall have been published at least one year before lodgment, shall be a record of original research undertaken by the candidate, who shall state the sources from which his information was derived, the extent to which he has availed himself of the work of others and the portion of the work he claims as original.<sup>1</sup>

(2) If the publications submitted, whether published in the candidate's sole name or under conjoint authorship, record work carried out conjointly, the candidate shall state the extent to which he was responsible for the initiation, conduct or direction of such conjoint research, however published.

(3) Where the principal publications, as distinct from supporting papers, incorporate work previously submitted for a degree in this or in any other university, the candidate shall clearly indicate which portion of the publications was so submitted.

(4) The publications submitted for the degrees of Doctor of Letters and Doctor of Divinity shall include at least one substantial work.

6. On receipt of a report from the Faculty concerned or, in the case of the degree of Doctor of Divinity, from the Board of Studies in Divinity, that the published work is *prima facie* worthy of examination for the degree, and of a recommendation concerning the examiners to be appointed, the Academic Board shall appoint at least three examiners, of whom at least one shall normally be a member of the Faculty concerned, or in the case of the degree of Doctor of Divinity, a Professor of the University nominated by the Board of Studies in Divinity, and of whom at least two shall be external examiners.

7. On the award of the degree, the Registrar shall lodge one copy of the published work with the University Librarian.

8. The degree other than the degree of Doctor of Divinity shall not be conferred until the candidate is a graduate of eight years' standing from the degree which qualified him for candidature. The degree of Doctor of Divinity shall not be conferred until five years have elapsed since the candidate's admission to his first degree in Divinity or its equivalent.

9. These By-laws shall come into force from 1st January, 1961, but until 31st December, 1963, a candidate may proceed to the degree either under these By-laws or under the By-laws previously in force.

## Research Committee

### BY-LAWS CHAPTER XIX<sup>c</sup>

1. There shall be a Research Committee, which shall consist of the Chairman of the Academic Board, the Registrar and ten members elected by the Academic Board, one of whom shall be chosen from each of the Faculties of Arts, Law, Medicine, Science, Engineering, Dentistry, Veterinary Science, Agriculture, Economics and Architecture, together with up to four other members co-opted by the aforesaid members.

2. The first election of the Committee shall be held in May, 1953. The Committee shall hold office until 31st May, 1954. Thereafter the election shall be held in May of every alternate year, and the Committee so elected shall hold office for a period of two years from the first day of June following the election.

3. The Committee shall be responsible for the encouragement of scholarship and research and for the consideration of all matters relating thereto. In particular it shall consider and make recommendations to the Vice-Chancellor regarding the allocation of funds for projects submitted to it by Heads of Departments and appointments to positions in connection therewith. Such appointments shall be tabled at the next meeting of the Academic Board. The Committee shall report to the Academic Board at least once a year on the research work being carried out in the University.

### RESOLUTIONS OF THE SENATE

#### RESEARCH COMMITTEE

1. There shall be a Research Committee.

2. The constitution and terms of reference of the Research Committee shall be as follows:

- (i) The members of the Committee shall be
  - (a) the Chairman of the Academic Board;
  - (b) a Pro-Vice-Chancellor nominated by the Vice-Chancellor;
  - (c) a Deputy Chairman of the Board nominated by the Chairman;
  - (d) the Registrar;
  - (e) one member from each faculty elected by the Academic Board;
  - (f) up to four members co-opted by the aforementioned members to hold office for a period of time that shall not extend beyond the next date of election of Committee members.

<sup>1</sup> For the submission of published work for examination for the degree of Doctor of Science, see the resolutions of the Faculty of Science appended to Chapter XIII.

<sup>1</sup> The Senate has approved the repeal of this Chapter, and the Resolutions set out below come into force upon approval of the repeal by the Governor.

- (ii) The members shall be elected to hold office for two years, elections being held at the February meeting of the Board. The first election being held in February 1988 and the members being elected to hold office from the date of that meeting until the date of the next election.
- (iii) The Committee shall be responsible for the encouragement of scholarship and research and for the consideration of all matters relating thereto. In particular it shall consider and make recommendations to the Vice-Chancellor regarding the allocation of funds for projects submitted to it by Heads of Departments and appointments to positions in connection therewith. Such appointments shall be tabled at the next meeting of the Academic Board. The Committee shall report to the Academic Board at least once a year on the research work being carried out in the University.

# Degree of Doctor of Philosophy (PhD)

XIXa: DOCTORATES  
(OTHER THAN MD, DDSc,  
DMus, PhD)

XIXc: RESEARCH COMMITTEE:  
BY-LAWS  
SENATE RESOLUTIONS

XIXd: PhD:  
BY-LAWS

## BY-LAWS CHAPTER XIXd

1. There shall be a degree of Doctor of Philosophy (PhD.).
2. The degree may be awarded in such Faculties as these By-laws provide.<sup>1</sup>
3. (1) An applicant for admission as a candidate for the degree shall, except as provided in subsections (2) and (3), hold or have fulfilled all the requirements for—
  - (a) the degree of Master, or
  - (b) the degree of Bachelor with first or second class honours.
 (2) A Faculty may admit as a candidate for the degree an applicant holding the degree of Bachelor without First or Second Class Honours after he has passed a qualifying examination at a standard equivalent to the Bachelor's degree with first or second class honours provided that a Faculty may exempt an applicant from the qualifying examination if he has obtained a High Distinction or Distinction in the highest course available in the subject or subjects relevant to the proposed course of advanced study and research.<sup>2</sup>
 (3) The Academic Board may, in accordance with Chapter XXVIA of these By-laws admit as a candidate for the degree an applicant holding qualifications which, in the opinion of the Faculty or Board concerned and of the Academic Board, are equivalent to those prescribed in subsection (1) or subsection (2), and such candidate shall proceed to the degree under such conditions as the Academic Board may prescribe.
4. (1) An applicant for admission to candidature shall submit to the Faculty concerned a proposed course of advanced study and research, approved by the Head of the Department in which the work is to be carried out, to be undertaken by the applicant in a Department of the University and shall submit satisfactory evidence of adequate training and ability to pursue the proposed course.
 (2) The Faculty may require a candidate, as part of the evidence of the candidate's training and

<sup>1</sup> The degree may be taken in all Faculties.

<sup>2</sup> The Academic Board has endorsed an interpretation of the qualifying examination referred to in section 3 (2) as including completion of a period of relevant full-time or part-time advanced study and research towards a master's degree in the University of Sydney at such a standard as would demonstrate to the satisfaction of the faculty that the candidate is suitably prepared in the particular field of study to undertake candidature for the degree of Doctor of Philosophy.

- ability to pursue the proposed course, to pass a special examination.
- (3) A reference in subsection (1) to a Department includes a reference to one or more Departments, one or more Schools, an inter-Departmental committee and an inter-School committee.
5. (1) A candidate may be accepted by a Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this probationary period, the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate his candidature.
- (2) In the case of a candidate accepted on a probationary period under subsection (1), his candidature shall be deemed to have commenced from the date of such acceptance.
6. Except with the special permission of the Faculty in which he wishes to take the degree, a candidate may proceed to the degree only in the Faculty in which he obtained his initial qualification.
7. (1) After admission, a candidate shall pursue a course of advanced study and research under a supervisor appointed by the Faculty concerned and, at the discretion of the Faculty, also under an associate supervisor similarly appointed. The supervisor shall be appointed from the full-time members of the University staff and the associate supervisor, where appointed, from either the full-time members of the University staff or the honorary associates of the University. The candidate shall pursue his course wholly under the control of the University and, unless special permission be granted by the Academic Board, shall carry out his work, other than field work, in the University of Sydney.
- (2) For the purposes of subsection (1), 'full-time members of the University staff' includes persons on whom the Senate has conferred the title of Professor, Clinical Professor, Reader, Associate Professor, Clinical Associate Professor, Senior Lecturer, Clinical Senior Lecturer, Lecturer or Clinical Lecturer.
- 7A<sup>1</sup>. The Academic Board may, where it considers there are special circumstances and upon the recommendation of the Faculty concerned, admit as a part-time candidate for the degree an applicant who is not a member of the full-time academic staff of the University but who is engaged in an occupation or other activity which in the opinion of the Faculty leaves the candidate substantially free to pursue his course of advanced study and research for the degree.
8. (1) Except as provided by subsections (2)-(4), a candidate shall submit for examination for the degree a thesis in accordance with the provisions of section 12, not earlier than the ninth term and, except with the special permission of the Faculty concerned, not later than the fifteenth term after being accepted as a candidate.
- (2) A candidate who is a member of the full-time academic staff of the University shall submit the thesis not earlier, except as provided by subsection (3), than the ninth term and not later, except with the special permission of the Faculty concerned, than the twenty-first term after being accepted as a candidate.

<sup>1</sup> The Academic Board has resolved that the authority of the Academic Board to admit candidates to part-time candidature for the degree of Doctor of Philosophy under Section 7A of Chapter XIXD of the By-laws and Resolution 6 of the Academic Board's resolutions made pursuant to Section 7A be exercised by the faculties, in accordance with guidelines approved by the Committee for Graduate Studies.

- (3) A candidate who holds the degree of Master, or Bachelor of Divinity with Honours, or both the degrees of Bachelor of Medicine with Honours and Bachelor of Science (Medical) with Honours, or both the degrees of Bachelor of Veterinary Science with Honours and Bachelor of Science (Veterinary) with Honours in the University of Sydney may, with the permission of the Faculty concerned, submit the thesis not earlier than the sixth term.
- (4) Except as provided for by subsection (3), a part-time candidate shall submit the thesis not earlier than the ninth term or such later term as the Faculty concerned may determine in respect of that candidate and, except with the special permission of the Faculty concerned, not later than the twenty-first term after being accepted as a candidate.
9. A candidate who, at the date of his admission, has completed not less than one term as a candidate for the degree of Master in any Faculty or Board of Studies of the University of Sydney may be permitted by the Faculty concerned to be credited for the whole or any part of the period of candidature completed for the degree of Master as a period of candidature completed for the degree of Doctor of Philosophy, provided that:
- (a) at the date of his admission to candidature for the degree of Master in the Faculty or Board of Studies concerned the candidate shall have fulfilled the requirements of section 3 of this Chapter; and
- (b) the period of candidature for the degree of Master for which credit is sought shall have been a course of full-time or part-time advanced study and research under a supervisor appointed by the Faculty or Board of Studies concerned and directly related to the candidate's proposed course of advanced study and research for the degree of Doctor of Philosophy.
- 9A. A candidate, whether admitted in accordance with Chapter XXVIA of these By-laws or otherwise, who at the date of his admission, has completed not less than one term as a candidate for a higher degree in another University or institution may be permitted by the Academic Board, on the recommendation of the Faculty concerned, to be credited for the whole or any part of the period of candidature completed as a period completed for the degree of Doctor of Philosophy of the University of Sydney, provided that—
- (a) at the date of his admission to candidature for the higher degree of the other University or institution concerned he shall have fulfilled the requirements of section 3 of this Chapter of the By-laws;
- (b) the period of candidature for the higher degree of the other University or institution concerned for which credit is sought shall have been a course of full-time or part-time advanced study and research under a supervisor appointed by the other University or institution concerned and directly related to the candidate's proposed course of advanced study and research in the University of Sydney;
- (c) the candidate shall have abandoned candidature for the higher degree of the other University or institution concerned for which credit is sought;
- (d) the amount of credit which may be so granted shall not exceed three terms; and

- (e) no candidate who has been granted credit shall present himself for examination for the degree earlier than the sixth term after his acceptance.
10. A candidate in the Faculty of Arts or Economics may be required by the Faculty, on the recommendation of the Head of the Department concerned or the supervisor, during his course—
- (a) if he is a member of the staff of the University of Sydney, to devote a period of up to one year exclusively to the advanced study and research prescribed for the degree; and/or
  - (b) to spend a period of up to one year in advanced study and research at institutions or places, in Australia or overseas, approved by the Faculty, provided that such requirement shall be prescribed by the Faculty when the candidate is admitted.
11. A candidate may be required during his course to attend lectures, seminar courses and practical work in subjects prescribed by the Faculty concerned, on the recommendation of the Head of Department or supervisor, and at the end of each year of prescribed work shall produce evidence of progress to the satisfaction of his supervisor and the Head of the Department concerned. A candidate who fails to produce such evidence may have his registration as a candidate for the degree cancelled by the Academic Board on the recommendation of the Faculty concerned.
12. (1) On completing the course of advanced study and research, a candidate shall present a thesis embodying the results of his work, which shall be a substantially original contribution to the subject concerned. He shall state, generally in the preface, and specifically in notes, the sources from which his information is derived, the extent to which he has availed himself of the work of others, and the portion of the work he claims as original. A candidate may also submit in support of his candidature any publication of which he is the sole or joint author. In the latter case he must produce satisfactory evidence, identifying the sections of the work for which he is responsible.
- (2) A candidate may not present as his thesis any work which has been presented for a degree at this or another university, but he will not be precluded from incorporating such in his thesis, provided that, in presenting the thesis, he indicates the part of the work which has been so incorporated.
- (3) A candidate shall submit to the Registrar 4 copies of the thesis in a form prescribed by resolution of the Academic Board and 4 copies of a summary of about 300 words in length.
- (4) The thesis shall be accompanied by a certificate from the supervisor stating whether, in his opinion, the form of presentation of the thesis is satisfactory.
13. (1) On receiving the thesis and having considered the certificate of the supervisor, the Faculty concerned shall, if it thinks fit, appoint examiners. If the Faculty resolves to appoint examiners, it shall appoint three examiners, at least one of whom shall be external. The Faculty shall report the names of the examiners appointed to the Academic Board, which may appoint one or more additional examiners.
- (2) Each examiner shall make a separate report on the merits of the thesis and supporting papers, and these reports shall be considered by the Faculty concerned. Where a supervisor has been appointed an examiner, he may consult with his associate supervisor, if any, before making his

report. On receiving these reports, the Faculty concerned may require the candidate to sit for such written, oral, or practical examination as it determines. The reports of the examiners and the certificate of the supervisor, together with the recommendations of the Faculty concerned, shall be submitted to the Academic Board.

(3) The Board may permit an unsuccessful candidate to prepare himself for re-examination if, in the opinion of the Faculty concerned, the candidate's work is of sufficient merit to warrant this concession. In such cases the Faculty may prescribe special conditions to be fulfilled by the candidate at such re-examination.

14. In any case where the Faculty concerned, having received the thesis and having considered the certificate of the supervisor, resolves not to appoint examiners, it shall report the circumstances and the reasons for its decision to the Academic Board.

15. On the award of the degree, the Registrar shall lodge a bound copy of the thesis with the Librarian.

## RESOLUTIONS OF THE ACADEMIC BOARD

### DOCTOR OF PHILOSOPHY

1. It is the policy of the Academic Board that a candidate for the degree of Doctor of Philosophy carry out all phases of his work for the degree completely under the control of the University and at places determined by the University in the interests of the successful fulfilment of the aim of giving the candidate training in research.

2. In general, and except as approved for part-time candidates by the Faculty concerned and the Academic Board, a candidate shall carry out his or her work, including the planning of the research and the writing of the thesis, full time within the University.

3. Work carried out in research stations or hospitals or the like which are away from the Department to which the candidate is attached, is to be regarded as work carried out within the University, provided that members of the academic staff able to give adequate direction to the candidate's work are located in that institution and that the candidate carries out his work under the control of the University.

4. The term 'field work' where appearing in the By-laws is taken to include not only observations in the field in such subjects as Anthropology, Botany, and Geology, but also observations made in industry, commerce, and public offices and the examination of documents and other materials in libraries, museums and other repositories outside the University. It is not taken to include laboratory work, other observation work, computations, etc., of the kind that is normally carried out within the University. Field work consisting of observations in industry, commerce, and public offices shall not count for more than half of the minimum period of candidature.

5. Members of the teaching staff may be admitted to candidature even though they are required concurrently to carry out their ordinary departmental duties. Members of staff proceeding to the degree in the Faculty of Arts or of Economics may be required by the Faculty concerned, on the recommendation of the Head of the Department or of the Supervisor concerned, to devote themselves exclusively to their course of study and research for a period up to three terms; such requirement may be imposed only at the time of the approval of the course of study and research.

6. The Academic Board will regard an applicant for admission to part-time candidature in accordance with section 7A of Chapter XIXD of the By-laws as 'substantially free to pursue his or her candidature for the degree' within the meaning of that section provided that, following a recommendation from the faculty concerned based on the submission of such evidence as the circumstances may require, it is satisfied that—

- (a) the applicant will have sufficient appropriate time available to complete the requirements for the degree within the maximum period prescribed in section 8(4) of Chapter XIXD of the By-laws;
- (b) the intended research will be planned by the applicant in consultation with the proposed supervisor and carried out by the applicant;
- (c) the arrangements for supervision are such that the research will be under the control of the University;
- (d) the applicant will be able to attend at the University at such times and on such occasions, for purposes of consultation and participation in departmental activities, as may be required on the recommendation of the head of department or school and the faculty concerned;
- (e) the applicant will be able to maintain such association with appropriate experts in the applicant's field of study either within the University or elsewhere as may be required on the recommendation of the head of department or school and the faculty concerned.

7. (1) The Academic Board will refer to a committee with power to act all applications for admission to candidature under section 7A of Chapter XIXD of the by-laws recommended to it by a Faculty.

(2) The Committee will report its decisions to the Academic Board and may refer any application to the Board for its decision or back to the Faculty concerned for further consideration.

(3) The Committee will receive and consider the annual progress report forms relating to all part-time candidatures, and will have power to make recommendations with respect to any such candidature to the Faculty concerned and to the Academic Board.

8'. In special cases a full-time candidate may be given permission to complete his or her candidature on a part-time basis and / or away from the University but under the general direction of the Supervisor. In granting such special permission the Academic Board is guided by the following principles:

- (i) a candidate who has completed full time within the University the minimum number of terms prescribed for his or her candidature and who has substantially completed his or her work for the degree may be granted permission to complete his or her candidature on a part-time basis either within the University or away from the University provided that the Head of the Department and the Supervisor furnish a written statement specifying the progress achieved in his or her candidature and the arrangements to be made for continued supervision, and certifying that these arrangements are satisfactory.
- (ii) a candidate who has completed full time within the University at least 12 terms may be

granted permission to complete his or her candidature on a part-time basis, either within the University or away from the University provided that the Head of Department and the Supervisor furnish a written statement specifying the arrangements to be made for continuing supervision, and certifying that these arrangements are satisfactory.

(iii) a candidate who has completed full time within the University all but three terms or less of his or her minimum period of candidature and who is unable to complete his or her research work in the University of Sydney because of lack of facilities may be granted leave to work in another institution provided that:

- (a) he or she devotes his or her full time to the approved course of study and research;
- (b) the institution has been approved by the Academic Board as one providing suitable facilities;
- (c) except in the case of overseas institutions there is employed in the institution concerned an Honorary Associate of the University able to act as an associate supervisor; and
- (d) he or she returns to the University of Sydney for not less than two terms to complete his or her candidature.

(iv) a candidate whose research training would, in the opinion of the Faculty concerned, be enhanced by his or her access to the special facilities available in another institution approved by the Academic Board, may count as part of his or her candidature full-time work carried out in that other institution provided that:

- (a) he or she completes all but three terms or less of his or her minimum period of candidature within the University and
- (b) except in the case of overseas institutions, there is employed in the other institution an Honorary Associate of the University able to act as associate supervisor.

(v) a candidate who is given permission by the Academic Board, acting on the recommendation of the Faculty concerned, to resubmit his or her thesis for examination after revision may be given permission to carry out this revision away from the University and to carry out any further research to be incorporated in the thesis on a part-time basis either within the University or elsewhere.

Short visits of a few weeks to other institutions for consultations or for the use of some special facilities may be made with the approval of the Head of the Department on the recommendation of the Supervisor.

9. An applicant for admission as a full-time candidate who is already employed by an institution other than the University or a candidate who obtains such employment must submit a statement from his or her employer certifying

- (i) that he or she can devote himself or herself full-time for the duration of his or her candidature to study and research under the control of the University and
- (ii) that the employer will inform the University in the event of the candidate being required to undertake any other duties.

It is the policy of the Academic Board that a candidate carry out his or her work completely under the control of the University and at places determined by the University. In accordance with this policy, a candidate who carries out fieldwork or other research within an

<sup>1</sup> On 20 February 1984 the Academic Board empowered the faculties to approve applications under this Resolution.

organisation, other than the University, which employs him or her, will normally be required to spend at least two-thirds of the minimum period of his or her candidature within the University. Only in exceptional circumstances will this proportion be reduced and in no circumstances will it be reduced below one-third of the minimum period.

**10.** Full-time candidates do not keep the normal terms but work continuously throughout the year, except for a period of four weeks' recreation leave. A candidate who has completed twelve months' continuous work, inclusive of recreation leave, is deemed to have completed three terms of his or her candidature.

**11.** Where an applicant is required to take a qualifying examination it shall be in the field of work of the Department in which the candidate is to carry out his or her advanced study and research.

**11A.** In considering any application for admission to candidature under Chapter XIXD of the By-laws, which involves more than one department or school, a Faculty shall have regard to the availability of an appropriate supervisor and of such resources and facilities as may be necessary for the completion of that candidature.

**12.** The four copies of the thesis submitted in accordance with section 12 (3) of Chapter XIXD of the By-laws shall normally be on International Standard A4 size paper sewn and bound in boards covered with bookcloth or buckram or other binding fabric. The title of the thesis, the candidate's initials and surname, the title of the degree, the year of submission and the name of the University of Sydney should appear in lettering on the front cover or on the title page. The lettering on the spine, reading from top to bottom, should conform as far as possible to the above except that the name of the University of Sydney may be omitted and the thesis title abbreviated. Supporting material should be bound in the back of the thesis as an appendix or in a separate set of covers.

**12A.** Section 12(1) of Chapter XIXD of the By-laws allows a candidate to include in a thesis published papers of which the candidate is the sole author, provided that—

- (i) the papers are based on work undertaken during the candidature for the degree;
- (ii) the papers are identified as published work; and
- (iii) the papers are compatible with the overall coherence and organisation of text of the thesis.

Any other papers of which the candidate is sole or joint author may be lodged in support of the thesis.

**13.** A candidate for a Master's degree in the University of Sydney who satisfies the requirements for admission to candidature for the degree of Doctor of Philosophy and who has been working under conditions applicable to such a candidature may (in accordance with section 9 of Chapter XIXD of the By-laws) apply to withdraw a thesis submitted for examination for the Master's degree and resubmit it for examination as a thesis for the degree of Doctor of Philosophy, provided that the candidate does so before the appointment of examiners for the Master's degree and provided further that all of the necessary academic and administrative requirements are completed in relation to candidature for the degree of Doctor of Philosophy.

**14.** After unsuccessful examination for the degree of Doctor of Philosophy a candidate may be permitted by the Faculty or Board of Studies concerned to use part or all of the material in a thesis submitted for a

Master's degree, subject to completing all of the necessary administrative requirements.

**XIXD: PhD:  
ACADEMIC BOARD  
RESOLUTIONS**

# Matriculation

## BY-LAWS CHAPTER XX

1. Candidates for any of the degrees granted by the University shall be required to matriculate before entering upon the prescribed course.

### MATRICULATION AND HIGHER SCHOOL CERTIFICATE EXAMINATIONS

2. (1) A candidate shall be entitled to matriculate at the University if—
  - (a) after 1st October, 1981, at a Matriculation Examination under section 3 or a Higher School Certificate Examination, he presents himself for examination in at least 11 units of which at least 10 must be chosen in accordance with subsection (2) from courses in such subjects as the Senate from time to time by resolution approves on the recommendation of the Academic Board;
  - (b) in the courses in which he is examined at that examination, he achieves such level of performance, measured on an aggregate of marks obtained in any 10 of the 11 units referred to in paragraph (a) being those 10 in which he obtains the best marks as the Senate by resolution determines, in respect of that examination, on the recommendation of the Academic Board; and
  - (c) in the course in English in which he is examined at that examination, he achieves such level of performance as the Senate by resolution determines, in respect of that examination, on the recommendation of the Academic Board.<sup>1</sup>
- (2) The 11 units referred to in subsection (1) (a)—
  - (a) shall include at least 2 units from a course in English; and
  - (b) shall include, in respect of an examination held after such date as the Senate may determine, at least one 3 unit course or one 4 unit course.
- (3) For the purposes of subsection (2) (b), two 2 unit courses in Science shall be counted as one 4 unit course.
- (4) The qualifications for matriculation specified in subsection (1)—

- (a) except as provided in paragraph (b), shall be obtained at the one examination; or
  - (b) in the case of a candidate who, in the opinion of the Vice-Chancellor, possesses severe physical handicap, may be obtained at 2 examinations held in successive calendar years.
3. (1) The Vice-Chancellor may determine whether a Matriculation Examination shall be held in any particular year.
  - (2) If the Vice-Chancellor determines that a Matriculation Examination shall be held, he shall also determine—
    - (a) the manner in which it is to be conducted;
    - (b) the persons eligible to sit; and
    - (c) the time and place at which it shall take place.

### GRADUATE IN ANY FACULTY

4. A Graduate in any Faculty of the University shall be entitled to matriculate in any other Faculty.

### INSTITUTIONS OTHER THAN UNIVERSITIES

5. The Academic Board may admit to matriculation a candidate who has completed such requirements at an institution other than a University as may be prescribed from time to time by resolution of the Senate on the recommendation of the Academic Board.

### PROVISIONAL MATRICULATION<sup>1</sup>

6. (1) The Academic Board may grant provisional matriculation status to any candidate who—
  - (a) produces evidence of educational merit to the satisfaction of the Academic Board;
  - (b) is not less than 25 years of age on 1st March in the year of proposed enrolment or is, in the opinion of the Academic Board, educationally disadvantaged; and
  - (c) passes such examinations as the Academic Board may prescribe.
- (2) Provisional matriculation status granted to a candidate under this By-law shall be confirmed when he has fulfilled such requirements as the Academic Board may from time to time determine.

### MATRICULATION UNDER PREVIOUS BY-LAWS

7. Any person who has qualified for matriculation or for matriculation in any particular Faculty under this Chapter or any other provision of a By-law in force at any time before the making of an amendment to this Chapter shall be entitled to matriculate or to matriculate in that Faculty, as the case may be, in accordance with that qualification, notwithstanding that the person is not qualified to matriculate under this Chapter as so amended.

### ADMISSION *AD EUNDEM STATUM*

8. (1) The Academic Board may admit to matriculation an applicant who:
  - (a) is a graduate of any other university; or
  - (b) presents a certificate from any Australian or New Zealand university or from any other university specified by the Academic Board for this purpose, showing that he has qualified for matriculation in that university and setting out the grounds for such qualification, provided that in the opinion of the Academic Board there is a reasonable correspondence between the qualifying con-

<sup>1</sup> No formal requirement in terms of a minimum standard has been determined.

<sup>1</sup> The Senate has approved the repeal of this section, subject to the approval of the Governor.



ditions relied upon by the applicant and the conditions laid down for ordinary matriculation in the University of Sydney, except that where an applicant has qualified for matriculation in another university and such qualifications have been obtained at the Matriculation Examination of the University of Sydney or at the New South Wales Higher School Certificate Examination or at the New South Wales Leaving Certificate Examination and do not meet the ordinary matriculation requirements in the University of Sydney based on one of these three Examinations, matriculation status shall not be granted; or

- (c) has enrolled as a candidate for a degree in another university and would not be accepted in accordance with subsection (1) (b) but has subsequently completed at the first attempt at that university the equivalent in the University of Sydney of First Year in a degree course where this is prescribed or of 3 full-year courses where there is no prescribed First Year; or
- (d) (i) produces evidence of educational merit to the satisfaction of the Academic Board;
- (ii) is not less than 25 years of age on 1st March in the year of proposed enrolment or is, in the opinion of the Academic Board, educationally disadvantaged; and
- (iii) passes such examinations as the Academic Board may prescribe; or
- (e) has completed such other requirements at another university as may be prescribed from time to time by resolution of the Senate upon the recommendation of the Academic Board.

(2) An applicant admitted in accordance with subsection (1) shall be accorded such status as the appropriate Faculty or Board of Studies may from time to time recommend.

(3) An applicant shall not be admitted in accordance with this section unless he gives evidence of his degree or status.

#### ADMISSIONS COMMITTEE

9<sup>1</sup>. The power of granting provisional matriculation status under section 6 and of admitting to matriculation under section 8 may be exercised by an Admissions Committee appointed for the purpose by the Academic Board. The Committee shall lay on the table of the Academic Board at its next ensuing meeting a report of its decisions.

#### NON-MATRICULATED AND NON-DEGREE STUDENTS

10. (1) Notwithstanding any other provisions of any other By-law, a Faculty or Board of Studies may, in circumstances approved by that Faculty or Board of Studies, permit—

- (a) a person who is not qualified to matriculate to enrol as a non-matriculated student in a specified course or courses with which the Faculty or Board of Studies is concerned, and
- (b) a person who is qualified to matriculate or has been granted matriculation status in accordance with this Chapter to enrol as a non-

degree student in a specified course or courses with which the Faculty or Board of Studies is concerned.

(2) A person enrolled in accordance with subsection (1) of this section shall pay such fees as the Senate may from time to time direct.

11. (1) Except as prescribed in subsection (2) or (3) of this section, a person who while enrolled in accordance with section 10 completes a course or courses in which he is so enrolled shall not count towards a degree any course or courses so completed.

(2) A person who—

(a) has been enrolled in accordance with section 10 (1) (a);

(b) has while so enrolled completed a course or courses as prescribed for one of the degrees of this University; and

(c) is qualified for or has been granted matriculation status in accordance with this Chapter; may in circumstances approved by the Academic Board on the recommendation of the Faculty or Board of Studies concerned enrol as a candidate for a degree in that Faculty or Board of Studies and count such course or courses towards that degree.

(3) A person who—

(a) has been enrolled in accordance with section 10 (1) (b); and

(b) has while so enrolled completed a course or courses prescribed for one of the degrees of this University;

may in circumstances approved by the Faculty or Board of Studies concerned enrol as a candidate for a degree in that Faculty or Board of Studies and count such course or courses towards that degree.

### RESOLUTIONS OF THE SENATE

#### APPROVED SUBJECTS

Pursuant to section 2 (1) (a) of Chapter XX of the By-laws, the Senate has resolved as follows:

The Senate has approved the following Higher School Certificate Examination subjects for the purposes of matriculation:

Agriculture	Industrial Arts
Ancient History	Italian
Arabic	Japanese
Art	Latin
Bahasa Indonesia /	Latvian
Malaysia <sup>1</sup>	Lithuanian
Chinese	Macedonian <sup>2</sup>
Classical Greek	Mathematics
Croatian <sup>1</sup>	Modern Greek
Czech	Modern History
Dutch	Music
Estonian	Polish
Economics	Rural Technology
English	Russian
Farm Mechanics	Science
French	Serbian <sup>2</sup>
General Studies	Sheep Husbandry and
Geography	Wool Technology
German	Slovenian <sup>2</sup>
Hebrew	Spanish
Home Science	Textiles and Design
Hungarian	Turkish
Indonesian	Ukrainian

<sup>1</sup> For those students presenting Bahasa Indonesia / Malaysia, the subject English will be included in the calculation of the aggregate (subject to approval of a by-law amendment).

<sup>2</sup> No more than one of these languages is allowed by the Board of Senior School Studies to count towards the Higher School Certificate.

<sup>1</sup> The Senate has approved an amendment to this section deleting the words "granting provisional matriculation status under section 6 and of" subject to the approval of the Governor.

## MATRICULATION ELIGIBILITY AGGREGATE

Pursuant to section 2 (1) of Chapter XX of the By-laws, the Senate has resolved that eligibility to matriculate shall be determined by the achievement of a minimum aggregate of marks based on the candidate's ten best units in those subjects taken by the candidate to satisfy the University's matriculation requirements.<sup>1</sup>

## ERRORS IN HSC EXAMINATION RESULTS

1. Offers of admission will be deemed to be made on the correct results of the candidates seeking admission and if the results officially communicated to candidates are subsequently found to be incorrect, the University will act according to 2 and 3 following.
2. If a candidate is found to be entitled to more marks than those originally awarded, the University will endeavour to admit him or her to the courses to which the correct marks would have earned admission, provided that no candidate shall be so admitted if in the opinion of the Dean or Chairman of the Board of Studies concerned, it is too late in the year to commence studies effectively.
3. If a candidate is found to be entitled to fewer marks than those originally awarded, the University will reserve the right to withdraw at any time within the first four weeks of Lent term an offer of entry made and accepted, and if an offer is withdrawn will endeavour to place such candidates into the courses to which their results entitle them; no offer of entry shall be withdrawn without the approval of the Vice-Chancellor and the Dean of the Faculty or Chairman of the Board of Studies concerned.

## INSTITUTIONS OTHER THAN A UNIVERSITY

Pursuant to section 5 of Chapter XX of the By-laws the Senate makes the following resolutions prescribing the granting of eligibility to matriculate to applicants who have completed requirements at an institution other than a University.

1. (i) Any person who submits satisfactory evidence that he has completed the First Year of the course at the Royal Military College of Australia may be granted eligibility to matriculate without further examination.
- (ii) Any person who submits satisfactory evidence that he has completed a full course of at least three years' prescribed study at the Royal Military College of Australia may be admitted to status in a course leading to a degree.
- (iii) The Academic Board on the advice of the appropriate Faculty or Board of Studies shall determine the status of such person and the credit to be granted in respect of work performed at the Royal Military College of Australia.
2. Any person who submits satisfactory evidence that he has completed the passing out examination of the Royal Australian Naval College may be granted eligibility to matriculate without further examination.
3. (i) Any person who has passed an examination qualifying him for matriculation in the University of Sydney and submits satisfactory evidence that he has subsequently completed at least the First Year of the course at the Royal Australian Air Force Academy, may be admitted to status in a course leading to a degree.

<sup>1</sup> Further details of the method of calculating the matriculation eligibility aggregate are set out in the *Students' Information Guide* published by the Universities and Colleges Admissions Centre.

- (ii) The Academic Board, on the advice of the appropriate Faculty or Board of Studies, shall determine the status of such person and the credit to be granted in respect of work performed at the Royal Australian Air Force Academy.

4. Any person who holds either (i) a Diploma of the Hawkesbury or Wagga Agricultural College with Honours or a similar qualification deemed by the Academic Board to be equivalent, or (ii) a Diploma of the Sydney, Broken Hill, Newcastle or Wollongong Technical Colleges with Honours or Credit or a similar qualification deemed by the Academic Board to be equivalent may be granted eligibility to matriculate.
5. Any person who holds a Certificate of Licentiate in Theology of the Australian College of Theology may be granted eligibility to matriculate provided that the candidature for the Certificate was commenced not earlier than November, 1970.
- 5A. Any person who holds a degree of Bachelor in Theology of the Australian College of Theology may be granted eligibility to matriculate.
6. Any person who holds a degree or diploma, other than an associate diploma, recognised by the Australian Council on Awards in Advanced Education may be granted eligibility to matriculate.
- 6A. Any person who submits satisfactory evidence of having successfully completed the First Year of the Bachelor of Architecture degree at the New South Wales Institute of Technology may be granted eligibility to matriculate without further examination.
7. The power of admitting a candidate to matriculation under section 5 of Chapter XX of the By-laws may be exercised by the Admissions Committee of the Academic Board. The Committee shall lay on the table of the Academic Board at its next ensuing meeting a report of its decisions.

## NON-MATRICULATED STUDENTS

It shall be open to any non-matriculated student who has attended the full courses of lectures upon any subject to compete for Honours or Pass in the regular examinations upon his subject, and to have his name published and recorded in the regular class lists, with a distinguishing mark; but he shall be incapable of holding any scholarship or receiving any prize of those already established for students proceeding to a degree.

Each such student shall be entitled to receive a certificate of attendance upon the lectures or laboratory practice in the subjects which he has selected, and proficiency therein, as ascertained by the regular and ordinary examinations within the University.

The above regulations do not apply to the lectures and examinations in the Faculty of Medicine, in the Faculty of Dentistry, or in the Faculty of Veterinary Science.

## PREREQUISITES AND ASSUMED STANDARDS OF KNOWLEDGE FOR FIRST YEAR COURSES IN THE UNIVERSITY—1987

*No priority is given in selection into any degree course to persons who have studied any particular subjects or unit values for matriculation.*

### Prerequisites

A prerequisite is a requirement that a prescribed level of knowledge be reached before enrolment is allowed.

The Bachelor of Music is the only degree course for which a prerequisite is prescribed to be satisfied before applicants will be accepted into the course.

In the case of the course Music I, which is compulsory for the Bachelor of Music degree and may be studied towards a number of other degree courses, the prerequisite must be satisfied before enrolment will be accepted.

A student who becomes eligible to matriculate will automatically be considered for entry to every degree course, other than Bachelor of Music, for which he or she states a preference, and may select any subject or course other than Music I without having to satisfy any further mandatory requirements of prior knowledge.

The prerequisites for entry to Music I and to the Bachelor of Music degree course are shown in the table below with the symbol 'P'.

In subjects, such as foreign languages, where first year courses are given at a number of different levels, a prescribed level of knowledge may be necessary before a student is admitted to the higher level courses. These prerequisite levels of performance are indicated in the table below by the symbol 'P' (for prerequisite).

### Assumed Knowledge

For some first year subjects, which may often be stud-

ied towards more than one degree course, students are expected to have reached a certain level of assumed knowledge. The assumed knowledge is expressed in terms of courses studied and performance achieved at the Higher School Certificate examination. Assumed knowledge is indicated in the table below by the symbol 'A'.

Students who have not reached the level of knowledge assumed are not prevented from enrolling in any subject as part of a degree course for which they may receive an offer of a place, or for the degree course itself, but before enrolling they should undertake any supplementary work recommended. Information on the supplementary work is available from the Registrar.

**Warning:** Students who proceed with the courses for which they have not previously reached the specified level of assumed knowledge place themselves at a considerable disadvantage.

The following table lists degree courses and subjects in alphabetical order and shows opposite them any prerequisites or assumed knowledge. For any subject course not listed in the table readers may assume no prerequisite is laid down or knowledge assumed.

### TABLE OF PREREQUISITES AND ASSUMED KNOWLEDGE IN THE UNIVERSITY IN 1987

The following table lists degree courses and subjects in alphabetical order and shows opposite them any prerequisites or assumed knowledge. For any subject course not listed in the table readers may assume no prerequisite is laid down or knowledge assumed. The reference to 2 unit courses does not include 2 unit Z or 2 unit General courses or their equivalent.

This table has been revised by the editor to reflect the revisions to the HSC examination introduced in 1986.

Degree or subject	Prerequisites (P), or Assumed Knowledge (A)
<b>AGRICULTURE</b> (BScAgr degree course)	A: 2 unit Mathematics and <i>Either</i> 2 unit Chemistry and 2 unit Physics <i>or</i> 3 unit Science <i>or</i> 4 unit Science (Chemistry, Physics and Biology section)  <i>Note:</i> <i>The courses 2 unit Mathematics in Society and 2 unit General Science are not recommended.</i>
<b>AGRICULTURAL ECONOMICS</b> (BAgrEc degree course)	A: 2 unit Mathematics <i>Note:</i> <i>The course 2 unit Mathematics in Society is not recommended.</i>
<b>ARCHITECTURE</b> (BSc(Arch) degree course)	A: 2 unit Mathematics
<b>ARTS</b> (BA degree course)	The knowledge required or assumed depends entirely on the subjects selected. See under proposed subjects elsewhere in this list.
<b>BIOLOGY</b> (all courses in the subject)	A: <i>Either</i> 2 unit Biology <i>or</i> 3 unit Science  <i>Note:</i> <i>Students who have taken either 2 units of Physics and 2 units of Chemistry, or 4-unit Science, and have performed well in these courses, have been able to achieve a satisfactory standard in First Year (Junior) Biology courses in the past.</i>
<b>CHEMISTRY</b> (all courses in the subject)	A: 2 unit Mathematics and A: <i>Either</i> 2 unit Chemistry <i>or</i> 3 unit Science <i>or</i> 4 unit Science
<b>COMPUTER SCIENCE I</b>	A: 2 unit Mathematics <sup>1</sup>

<sup>1</sup> From 1988 assumed knowledge will be 3 unit Mathematics.

Degree or subject	Prerequisites (P), or Assumed Knowledge (A)
DENTISTRY (BDS degree course)	A: As set out under the subjects Biology, Chemistry and Physics all of which are compulsory for this degree course.
ECONOMICS I	A: 2 unit Mathematics
ECONOMICS (SOCIAL SCIENCES) I	A: 2 unit Mathematics
ECONOMIC STATISTICS I	A: 2 unit Mathematics
EDUCATION (BEd degree course)	Knowledge required or assumed depends entirely on the subjects selected. See under proposed subjects elsewhere in this list.
ENGINEERING (BE degree course)	A: 3 unit Mathematics plus <i>either</i> 2 unit Chemistry and 2 unit Physics <i>or</i> 4 unit Science
ENGLISH I	A: 2 unit English
FOREIGN LANGUAGES Arabic Chinese French German Greek Modern Greek Hebrew Indonesian and Malayian Studies Italian Japanese Latin	Two first-year courses are offered in all these languages, one for students who have completed 5 or 6 years' study of the language at an advanced level or have reached an equivalent standard over a shorter period (the IA course) and the other for students with little or no knowledge of the language (the IB course). In addition a third first-year course is offered in some languages at an intermediate level between the IA and IB courses for students with some knowledge of the language.
The IA course	P: 3 unit course or 2 unit course with a satisfactory standard.
The IAB course	P: 2 unit General course or 2 unit Z course at a satisfactory standard. <i>Note:</i> <i>If you have studied the language but for less than four years you will normally be admitted to the IAB course where this is available and, where this is not available, you will normally be admitted to the IB course.</i>
The IB course	Admission to this course is for those who previously have no knowledge of the language and for those whose knowledge is insufficient to gain them entry to the IA or the IAB course. However, it is a distinct advantage to have formally studied another foreign language. <i>You should note that, whatever the standard of your result, you may be required to undertake a placement test to assist in determining your suitability for the IA, IAB, or IB course.</i>
GENERAL COMPUTING STUDIES	A: 2 unit Mathematics
GENERAL PURE MATHEMATICS	A: 2 unit Mathematics
GENERAL STATISTICAL METHODS	A: 2 unit Mathematics or Mathematics in Society
GEOLOGY I	No previous knowledge of Geology is assumed. Students enrolling in Geology I should have Physics or Chemistry as a background either in a 2 unit, a 3 unit or a 4 unit Science course.
LAW (LLB degree course)	No prerequisites or assumed knowledge

Degree or subject	Prerequisites (P), or Assumed Knowledge (A)
<b>MATHEMATICS</b>	
Mathematics I	A: 3 unit Mathematics
Mathematics, General Pure	
Mathematics (Agriculture)	A: 2 unit Mathematics
Mathematics I for Pharmacy	
<b>MEDICINE (MB BS degree course)</b>	A: As set out under the subjects Chemistry and Physics which are compulsory for this degree course.
<b>MUSIC I</b>	P: A satisfactory standard in (1) either the 3 unit or 2 unit course in Music, and (2) a departmental musicianship test. <i>Note:</i> <i>Persons who consider they have a qualification equivalent to the prerequisite may apply through the Head of the Department of Music to the Faculty or Board of Studies controlling their enrolment for permission to enrol.</i>
<b>MUSIC (BMus degree course)</b>	P: as for Music I; and P: Satisfactory completion of a test in either Musical Composition or Instrumental or Vocal Performance supervised by the Head of the Department of Music. The form of the test shall be prescribed each year by the Board of Studies in Music. The test will be administered to all applicants who receive an offer of a place in the Bachelor of Music degree course before they are permitted to enrol in the course.
<b>PHARMACY (BPharm degree course)</b>	A: 2 unit Mathematics and one of the following: 2 unit Physics and 2 unit Chemistry or 4 unit Science
<b>PHYSICS:</b>	
Physics I	A: 3 unit Mathematics and one of the following: 2 unit Physics 3 unit Science or 4 unit Science
Physics I (Life Sciences)	
Agricultural Physics	A: 2 unit Mathematics and one of the following: 2 unit Physics 3 unit Science or 4 unit Science
Physics for Dentistry	
Medicine	
Veterinary Science	
<b>SCIENCE (BSc degree course)</b>	A: As set out under the subjects in Mathematics, one of which must be taken for this degree course and A: As set out under the subjects Chemistry and Physics, one of which must be taken.
<b>SOCIAL STUDIES (BSocStud degree course)</b>	A: Three or four courses as approved by the Board of Studies are selected from those prescribed for the degree of Bachelor of Arts. Some have prerequisites or assumed knowledge as detailed under individual courses in this table.
<b>VETERINARY SCIENCE (BVSc degree course)</b>	A: 2 unit Mathematics and A: <i>Either</i> 2 unit Chemistry and 2 unit Physics or 4 unit Science (including Chemistry, Physics and Biology)

## Terms

## Courses, examinations and fees

### BY-LAWS CHAPTER XXI

[*Repealed.*]

### RESOLUTIONS OF THE SENATE

#### TERMS

The Senate has made the following Resolutions relating to Terms:-

1. Except as provided in Resolution 5, the academic year shall contain three terms, namely Lent Term, Trinity Term and Michaelmas Term.
2. Lent Term shall commence on the last Monday in February and shall be of eleven weeks' duration, including a recess at Easter of six days, the last week of term being an examination week.
3. Trinity Term shall commence on the fourteenth Monday after the commencement of Lent Term and shall be of ten weeks' duration, the last week of term being an examination week.
4. (1) Michaelmas Term shall commence on the twenty-seventh Monday after the commencement of Lent Term and shall be of fourteen weeks' duration.  
(2) Classes shall cease after nine weeks of Michaelmas Term.
5. In the Faculties of Medicine and Dentistry, the academic year shall contain such terms, commencing and concluding on such dates, as the Academic Board, on the recommendation of the Faculty concerned, may determine.

### BY-LAWS CHAPTER XXII

1. (1) In these By-laws, 'course' means a course required, under these By-laws, to be completed by a candidate for a degree or diploma.  
(2) For the purposes of these By-laws, a candidate completes a course if he—
  - (a) attends the lectures and other classes, if any, provided in respect of the course;
  - (b) satisfactorily completes the written and other work, if any, required to be completed in the course; and
  - (c) passes the examinations, if any, in respect of the course.
2. A course shall consist of such lectures and other classes, such written and other work and such examinations as may be determined by the Faculty or Board of Studies concerned.
3. Details of courses shall be published in such manner as the Senate determines.
4. A person permitted to enrol in a course shall do so in accordance with the procedures determined from time to time by the Registrar.
5. (1) A candidate in a course for the degree of Bachelor, other than a fourth year honours course in the Faculty of Arts, Science or Economics, whose work is, in the opinion of the Board of Examiners concerned, of sufficient merit, shall be awarded high distinction, distinction or credit.  
(2) The award of honours shall be reserved to indicate special proficiency at graduation, and honours shall be awarded only in accordance with these By-laws or any resolution of the Senate.
6. In determining the results of a candidate in any course, the whole of the candidate's work in the course may be taken into account.
7. A candidate for a degree or diploma who has completed a course prescribed under these by-laws for that degree or diploma may, upon application made to the Registrar, receive a certificate to that effect signed by the Registrar.
8. A candidate who repeats a course shall, unless granted exemption by the Dean of the Faculty or Chairman of the Board of Studies concerned—
  - (a) reattend the lectures and other classes, if any, provided in respect of the course;
  - (b) satisfactorily complete again the written and other work, if any, required to be completed in the course; and

- (c) reattend the examinations, if any, in respect of the course.
9. (1) Except as provided by subsection (2), an applicant for enrolment in the University or a student enrolled in the University—
- (a) shall pay such fees and other charges as the Senate, on the advice of the Finance Committee, may determine from time to time; and
  - (b) shall not attend any lecture, tutorial, class or other form of tuition or any examination until the fees and other charges referred to in paragraph (a) have been paid.
- (2) The Vice-Chancellor, or any other officer appointed by him for the purpose, may, by an authority given in writing to an applicant for enrolment in the University or to a student enrolled in the University—
- (a) exempt that applicant or student from payment, or defer payment by that applicant or student, of such of the fees and other charges referred to in subsection 1 (a) as may be specified in the authority; and
  - (b) permit that applicant or student to attend such lectures, tutorials, classes and other forms of tuition or such examinations as may be specified in the authority.
- (3) Except with the permission of the Vice-Chancellor, or of any other officer appointed by him for the purpose, a person in respect of whom an authority deferring the payment of any of the fees and charges referred to in subsection (1) has been given shall not be admitted to a degree or awarded a diploma of the University until those deferred fees and other charges have been paid.

## **RESOLUTIONS OF THE SENATE**

### **SUPPLEMENTARY EXAMINATIONS**

- (a) Supplementary examinations should be regarded by both teacher and taught as distinct privileges granted to worthy students and not as rights.
- (b) Boards of Examiners shall determine which students shall be allowed to take supplementary examinations. Due notice should be taken of certified illness or misadventure.

### **EXAMINATION SCRIPTS AND REMARKING**

The Senate approved the recommendation—

- (a) that no provision be made for students to have their examination papers remarked, and
- (b) that students should not as of right be able to view their examination scripts, but this should not be construed as discouraging examiners from discussing scripts with students.

The Academic Board made this recommendation on the assumption that Faculties and Boards of Studies permit and encourage students to discuss their examination performance with members of teaching staff.

### **OBJECTIVE-TYPE EXAMINATION PAPERS**

The Senate resolved, concerning a proposal that students be provided with the questions and answers for compulsory objective-type examinations after the examination has been completed,

1. that it finds itself unable to support the recommendation owing to the difficulties which would be imposed on departments.
2. that it recommends that the Board request departments which make use of objective tests as a form of

assessment to consider the possibility of utilising some tests of this type with appropriate feedback for purposes of teaching and learning.

3. that if the question papers are made available to students who have taken objective-type examinations, they be generally disseminated (eg. through the Fisher Library) to ensure that future students have equal access to the papers.

### **COURSE CONTENT**

Information about courses shall be published annually by the Registrar in the handbook of the Faculty or Board of Studies concerned and a summary of this information shall be published in the Calendar of the University.

## **RESOLUTIONS OF THE ACADEMIC BOARD**

### **ATTENDANCE**

1. Departments shall keep such records of the attendance of students at lectures and other classes as the Faculty or Board of Studies concerned may from time to time prescribe.

2. (1) The Dean of a Faculty or the Chairman of a Board of Studies may grant a student enrolled in that Faculty or under that Board of Studies leave from attendance at classes for a period not exceeding three months.

- (2) A Faculty or Board of Studies may grant a student enrolled in that Faculty or under that Board of Studies leave from attendance at classes for a period not exceeding one year.

3. A student who seeks leave of absence shall apply at least two weeks in advance in writing to the Registrar.

4. A student who has been absent from classes because of accident, illness or misadventure shall report the circumstances of that absence in writing to the Registrar not later than one week after resumption of attendance at classes.

5. (1) The Dean of a Faculty or the Chairman of a Board of Studies may call upon any student in that Faculty or under that Board of Studies who has been absent without leave from more than ten percent of the classes in any one term in a particular course to show cause why that student should not be deemed to have failed to complete that course.

- (2) The Dean or Chairman shall decide whether the cause shown is sufficient.

- (3) A student who fails to show sufficient cause for absence shall be deemed not to have completed that course.

### **TYPEWRITTEN ASSIGNMENTS**

The Academic Board has resolved that:

1. It shall not be a requirement for written work in undergraduate courses to be typed, except for major assignments (usually in the final year) and those involving computer printouts.

2. Members of the teaching staff who contemplate requiring the submission of typewritten work shall consult with the head of their department or school before proposing such a requirement.

3. In all cases where the submission of typewritten work is required, students shall be given adequate advanced notice of the requirement.

### **SCHEDULES FOR SUBMISSION OF STUDENT ASSIGNMENTS**

The Academic Board has resolved that students given assignments be allowed reasonable opportunities to attempt and submit them before the deadline.

XXI: TERMS:  
SENATE RESOLUTIONS  
XXII: COURSES,  
EXAMINATIONS  
AND FEES:  
BY-LAWS  
SENATE RESOLUTIONS  
ACADEMIC BOARD  
RESOLUTIONS

The purpose of the Board's adoption of this motion is to make it clear that submission deadlines should take reasonable account of practical difficulties that students might encounter with their assignments, such as equipment failure and the unavailability of materials, reference texts, etc.

#### **EXEMPTION FROM RE-ATTENDANCE**

Exemption from re-attendance at lectures and practical classes shall be granted only in exceptional circumstances.

#### **DISCONTINUATION OF ENROLMENT AND RE-ENROLMENT AFTER DISCONTINUATION All Faculties and Boards of Studies**

1. A candidate for a degree of Bachelor who ceases attendance at classes will be presumed to have discontinued enrolment from the date of application to the Faculty or Board of Studies concerned, unless evidence is produced (i) that the discontinuation occurred at an earlier date and (ii) that there was good reason why the application could not be made at the earlier time.
2. A candidate for a degree of Bachelor who at any time during the first year of attendance discontinues enrolment in all courses shall not be entitled to re-enrol for that degree unless the Faculty or Board of Studies concerned has granted prior permission to re-enrol or the person is re-selected for admission to candidature for that degree.
3. Subject to provisos (i) and (ii) of Resolution 1, no candidate for a degree of Bachelor may discontinue enrolment in a course or year after the end of lectures in that course or year.
4. In the absence of any Resolution to the contrary, the Dean, Pro-Dean or a Sub-Dean of a Faculty, or the Chairman of a Board of Studies, may act on behalf of that Faculty or Board of Studies in the administration of these Resolutions.
5. Subject to Resolutions 6, 7 and 8, a candidate for a Bachelor's degree who discontinues enrolment in a course or year before the end of the fourth week of lectures in such course or year, shall be recorded as having withdrawn from that course or year.

#### **Faculties of Arts and Economics and Boards of Studies in Education, Music and Social Work**

6. (1) This Resolution shall apply to candidates for the degrees of Bachelor of Arts, Economics, Economics (Social Sciences), Education, Music and Social Work.
- (2) A candidate for the degree of Bachelor of Arts or Bachelor of Social Work enrolled concurrently in four First Year courses who discontinues enrolment in one of those courses before the end of lectures in that course shall be recorded as having withdrawn.
- (3) A candidate who discontinues enrolment in a course at the request of the Dean, Pro-Dean or a Sub-Dean of the Faculty or the Chairman of the Board of Studies concerned shall be recorded as having withdrawn.
- (4) A candidate for the degree of Bachelor of Arts, Bachelor of Economics, Bachelor of Economics (Social Sciences) or Bachelor of Music who discontinues enrolment in the final honours year before the first day of Trinity term shall be recorded as having withdrawn.

#### **Discontinuations**

- (5) Subject to paragraph (6), a candidate who discontinues enrolment in a course or year after the end of the fourth week of lectures in such course or year but before the end of lectures in

Michaelmas term shall be recorded as 'Discontinued with permission' or 'Discontinued', as the Faculty or Board of Studies concerned shall determine.

- (6) A discontinuation of enrolment—
  - (a) after the first day of Trinity term from a first half-year short course, or
  - (b) after the first day of Michaelmas term from a full year course, or
  - (c) after two-thirds of the lectures and other formal instruction have been completed in any other course—

shall be recorded as 'Discontinued' unless the Dean, Pro-Dean or Sub-Dean of the Faculty or Chairman of the Board of Studies concerned on grounds of serious ill health or misadventure determines that the discontinuation should be recorded as 'Discontinued with permission'.

#### **Faculties of Law and Science**

7. (1) This Resolution shall apply to candidates for the degrees of Bachelor of Laws, Bachelor of Science and Bachelor of Pharmacy.
- (2) A candidate who discontinues enrolment in a course or year after the end of the fourth week of lectures in Lent term but on or before the first day of lectures in Trinity term shall be recorded as 'Discontinued with permission'.
- (3) A discontinuation of enrolment after the first day of lectures in Trinity Term shall be recorded as 'Discontinued' unless the Dean, Pro-Dean or Sub-Dean of the Faculty concerned on grounds of serious ill health or misadventure determines that the discontinuation should be recorded as 'Discontinued with permission'.

#### **Faculties of Agriculture, Architecture, Dentistry, Engineering, Medicine and Veterinary Science, and Board of Studies in Divinity**

8. (1) This Resolution shall apply to candidates for a degree of Bachelor in the Faculty of Agriculture, Architecture, Dentistry, Engineering, Medicine or Veterinary Science or for the degree of Bachelor of Divinity.
- (2) A candidate who discontinues enrolment in a course or year before one-third of the lectures and other formal instruction in that course or year has been completed shall be recorded as 'Discontinued with permission'.
- (3) A discontinuation of enrolment in a course or year after one-third of the lectures and other formal instruction in that course or year has been completed shall be recorded as 'Discontinued' unless the Dean, Pro-Dean or Sub-Dean of the Faculty or the Chairman of the Board of Studies concerned on grounds of serious ill-health or misadventure determines that the discontinuation should be recorded as 'Discontinued with permission'.

#### **EXCURSIONS**

No scientific excursions (Botanical, Zoological, Geological or the like) shall be arranged to take place during lecture or laboratory hours unless approval has been previously granted by the Vice-Chancellor and due notice sent to members of the teaching staff concerned.

#### **EXAMINATIONS**

No class or final examination shall be held during lecture or laboratory hours by any member of the Teaching Staff unless permission to hold such examinations



has been previously granted by the Vice-Chancellor and due notice sent to other members of the Teaching Staff concerned.

### EXAMINATION RULES

Each Faculty shall be responsible for the determination of the rules governing the examination of each student who is enrolled as a candidate for a degree in that Faculty, including any student who is taking a course or courses offered by a Department located primarily in another Faculty. These rules may include the form in which numerical marks are submitted, the grades of pass to be awarded and whether Supplementary examinations are to be granted.

### EXAMINATIONS HELD IN VACATIONS

The Academic Board has adopted the following general policy concerning examinations held in vacations:

1. That in determining an annual result for a course, substantial account may be taken of all work carried out by the students, i.e. as essays, practical work, or other assignments.
2. That examinations and departmental tests held after the end of lectures in Lent and Trinity terms should follow directly after the teaching periods and be confined as nearly as possible to one week.

### TRANSFER OF STUDENTS

Students who enrol in one degree course and pass the courses prescribed for another degree course have not the right to transfer to that other degree course, but may be admitted by the Faculty or Board of Studies concerned on merit to the extent that facilities are available.

### NEW OR ALTERNATIVE COURSES

The Board has resolved that it would not consider proposals for new or alternative courses unless proposals are accompanied by statements indicating—

- (1) the content of the course,
- (2) why the course is to be introduced,
- (3) what similar courses are being given elsewhere in the University and why these are not suitable,
- (4) what facilities, staff and equipment (including library resources) are available and what facilities, staff and equipment (including library resources) will be needed,
- (5) whether the proposed course falls within those classes of courses which the Tertiary Education Commission has, by declaration of the Minister, been given a discretion not to approve for the purposes of Commonwealth funding, namely a course of study or group of courses of study which involve:
  - (a) significant financial implications; or
  - (b) a significant educational departure; or
  - (c) unnecessary duplication in a specialised field; or
  - (d) the establishment of a professional school.

### NEW COURSES OFFERED IN MORE THAN ONE FACULTY

The Board resolved to draw to the attention of Faculties that where new courses which would affect students in more than one Faculty are being proposed, there should be consultation between the Faculties concerned.

### ELECTRON MICROSCOPY FOR HIGHER DEGREE CANDIDATES

All postgraduate students using the facilities of the Electron Microscope Unit for higher degree candidature are required, unless exempted by the Director of the Electron Microscope Unit, to attend a course or courses conducted by the Unit.

### POSTGRADUATE STUDENTS: FACULTY IN WHICH CANDIDATURE SHOULD NORMALLY PROCEED

As a general rule, postgraduate students should undertake their postgraduate work in the faculty in which they completed their undergraduate studies but where it is not possible for a student to proceed to postgraduate work in his proposed field of study in the faculty where he completed his undergraduate degree, he should be permitted to proceed to postgraduate work in another faculty, provided that other faculty agreed.

### RESEARCH STUDENTS IN THE SCIENTIFIC LABORATORIES

1. Research students may be admitted to the University laboratories from year to year on the recommendation of the head of the department in which they propose to work.
2. A research student in any University laboratory shall be under the control of the head of the department as regards the use of the laboratory apparatus and materials. The professor, as director of the laboratory, shall have the right to make himself acquainted with the character and progress of the work done by any research student working in his laboratory.
3. Research students may work in the University laboratories during laboratory hours in term time, and at such other times as may be arranged by the professor in charge.
4. Each research student shall pay to the University the appropriate research fee per term for the expense of material, etc. All expensive apparatus or material required for special investigations shall be purchased by the research student.

The professor in charge shall be the sole judge of what apparatus and material should be provided by the University or purchased by the student. The University should be provided with printed copies of all scientific papers published by research students.

### BY-LAWS CHAPTER XXIII

*[Repealed.]*

XXII: COURSES,  
EXAMINATIONS  
AND FEES:  
ACADEMIC BOARD  
RESOLUTIONS

## Students engaged in war service<sup>1</sup>

### BY-LAWS CHAPTER XXIII<sup>A</sup>

Subject to the provisions of the University and University Colleges Act, 1900, and notwithstanding that the provisions of any By-law may not have been strictly observed, the Senate may, after report from the Academic Board and the Faculty concerned—

- (a) grant such status or degree, or confer such rights as to tenure of scholarships as it may deem proper to any student who has been engaged in active military or naval service during the 1914–1918 War, or who during the 1939–1947 War<sup>2</sup> has been engaged in active military, naval or air force service or at the request of the Government, in any special service for securing the public safety and defence of the Commonwealth and its Territories, or for the more effectual prosecution of the 1939–1947 War, or who has been engaged in active service with the United Nations or British Commonwealth of Nations Forces or who has been engaged in active service in the Australian Armed Forces;
- (b) grant such status or degree as it may deem proper to the widow of any man who died while on active service in the Army, Navy or Air Force, during the 1939–1947 War or to the widow of any man who died while on active service in the Australian Armed Forces.

This By-law shall not apply to the Faculty of Medicine.

<sup>1</sup> The Senate has approved a recommendation that this By-law be repealed.

<sup>2</sup> Although hostilities ceased in 1945, until 1947 there were members of the Australian armed forces on active service in Japan as part of the British Commonwealth Occupation Force.

## Prizes and Scholarships

### BY-LAWS CHAPTER XXIV

1. Scholarships shall be awarded after examination as the Senate may from time to time appoint.
2. No scholarship shall be awarded except to such candidates as exhibit a degree of proficiency which shall be satisfactory to the Examiners. Scholars shall be required to proceed with their studies in the respective Faculties in which their scholarships are awarded.
3. The examination for scholarships shall be concurrent with the Matriculation and Yearly Examinations, additional papers and questions being set when required.
4. No student of the University shall be allowed to hold more than two scholarships at one time.
5. In connection with the award of scholarships in modern foreign languages, if the examiners shall be of opinion that any candidate has any exceptional advantage by reason of foreign nationality or parentage or prolonged residence abroad, such candidate shall not be eligible for an award unless there is no other candidate of sufficient merit.

### RESOLUTIONS OF THE SENATE ESTABLISHMENT AND AWARD OF SCHOLARSHIPS AND PRIZES

- (a) The Senate Prizes Committee shall take the following factors into account when considering offers to establish awards:
  - (1) that the award observes the spirit of anti-discrimination legislation;
  - (2) that the University administers the award, including selection of the successful applicant;
  - (3) that the conditions of award are determined by the University within the donor's general terms of reference;
  - (4) that a postgraduate scholarship or fellowship be tenable for a sufficient period of time to enable a holder to make substantial progress towards the degree in which the holder is enrolled;
  - (5) that continuance of a prize, scholarship or fellowship is assured for a minimum period of time;
  - (6) that the value of a postgraduate scholarship or fellowship which is intended to provide a living allowance is such that the holder is not under pressure to supplement the stipend with part-time earnings;
  - (7) that the value of a prize or undergraduate scholarship is sufficient to make a reasonable con-

tribution towards the cost of a student's books and/or equipment;

(8) that the field in which a scholarship or fellowship may be held is not unduly narrow;

(9) that any progress report required of a scholarship or fellowship holder is subject to the approval of the University and not of the donor;

(10) that any decision as to whether a scholarship or fellowship holder's work justifies renewal of the award is subject to the approval of the University which may, if the merits of the circumstances so dictate, consult with the donor;

(11) that the results of a postgraduate scholarship or fellowship holder's work is not subject to any restriction on publication.

(b) The Senate Prizes Committee shall seek a report from the Deans of any relevant faculties when undergraduate scholarships might have an effect on recruitment into cognate disciplines within a Faculty.

(c) The Academic Board shall have the authority to award all prizes, scholarships, fellowships and other awards.

(d) The Academic Board shall be responsible for the determination of the terms and conditions of awards established within the University either by donation or bequest, in accordance with any terms of the gift and following acceptance of the offer by the Senate.

#### **UNDERGRADUATE SCHOLARSHIPS**

1. In general the creation of new undergraduate scholarships is to the advantage of the Departments and of the University, and every encouragement should be given to prospective donors to create new scholarships.

2. The possibility of interference with recruitment into cognate disciplines exists when there is a limited undergraduate pool and when one discipline is better endowed with scholarships than the others. Consequently the Senate should only endorse or accept scholarships after the Senate Prizes and Scholarships Committee has received a certificate from the Dean (or Deans) of the relevant Faculty (or Faculties) which identifies any possible adverse effects of the proposed scholarships on recruitment into cognate disciplines.

3. The same procedure should be followed if there is a major change proposed in the terms of an existing scholarship.

#### **TRAVELLING SCHOLARSHIPS AWARDED BY THE UNIVERSITY**

The following resolutions in regard to the award of travelling scholarships were adopted in 1982 by the Senate:

(1) That all candidates for travelling scholarships shall be graduates or graduands of the University of Sydney who are of not more than four years' standing from qualifying for the first degree appropriate to the proposed course of study overseas.

(2) That all candidates shall be citizens or permanent residents of Australia.

(3) That candidates who have previously held awards designed to promote study overseas and which offer similar benefits to travelling scholarships shall be ineligible for consideration unless exceptional circumstances apply.

(4) That the scholarships shall normally be awarded to enable scholars to undertake studies or research in some place or places overseas approved by the Academic Board.

(5) That the scholarships shall not normally be held for longer than one year unless the holder is enrolled for a higher degree. A scholarship shall not be renewed for a third year unless the holder is a candidate for the degree of Doctor of Philosophy and renewal shall be subject to satisfactory progress.

#### **LISTING OF PRIZES AT CONFERRING CEREMONIES**

The Senate has resolved:

(a) At ceremonies for the conferring of Doctorates, no prizes or medallions shall be listed on the official programme.

(b) At ceremonies for the conferring of Bachelor's and Master's degrees, no reference shall be made on the official programme to any prizes, except the award of the University Medal.

#### **RESOLUTIONS OF THE ACADEMIC BOARD**

##### **NON-ESTABLISHED POSTGRADUATE SCHOLARSHIPS**

Postgraduate scholarships are from time to time created within the University through sponsorship or through the provision of research grants by organisations not formally connected with the University. Such scholarships are awarded under the following conditions:

1. The object of each scholarship is to promote and encourage postgraduate research within the University of Sydney.

2. Awards shall be granted to graduates who are eligible for admission to candidature for a higher degree by research and who enrol accordingly as full-time candidates.

3. A scholarship shall be awarded on the basis of academic merit.

4. A scholarship shall be awarded by the Deputy Vice-Chancellor (Research) on the advice of the Head of the Department or School most concerned.

5. A scholarship shall be tenable for one year in the first instance but subject to satisfactory progress may be renewed for a second year and in the case of a PhD candidate for a third, and in special circumstances, a fourth year.

6. A scholarship may be renewed subject to—

(a) progress satisfactory to the Head of Department and the Deputy Vice-Chancellor (Research), and

(b) availability of funds.

7. The annual value of a scholarship may be recommended by the head of department or school who shall take into account—

(a) availability of funds, and

(b) the general level of the value of scholarships offered by the University.

8. A scholarship may provide allowances if the head of department or school so recommends, subject to the availability of funds.

9. A holder of a scholarship shall acknowledge the donor of the funds in any publication arising out of the research.

The Board will receive annually a report on the award of all non-established postgraduate scholarships.

##### **AWARD OF SCHOLARSHIPS AND PRIZES**

(a) Awards for which applications are required shall be made by a Faculty or the Academic Board or some other body within the University.

XXIII: WAR SERVICE:  
BY-LAWS

XXIV: PRIZES AND  
SCHOLARSHIPS:  
BY-LAWS  
SENATE RESOLUTIONS  
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RESOLUTIONS

- (b) Awards for which applications are not required shall be made on the recommendation of a Head of Department or School, a Dean of a Faculty or Chairman of a Board of Studies or a Board of Examiners.

### **SCHOLARSHIPS OR PRIZES**

Matriculated students who are required to present themselves for re-examination in any subject will not be eligible for any scholarship or prize on the results of such re-examination without the permission of the Faculty concerned.

### **PUBLICATION OF AWARD AND MERIT LISTS**

The Board has resolved:

- (1) That the University publish Order of Merit lists in all courses for those students with results of Credit or better.
- (2) That the Registrar publish the names of students awarded university prizes as a result of the annual examinations, preferably with their examination results.

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## **Public exhibitions**

### **BY-LAWS CHAPTER XXV**

1. Every applicant for a Public Exhibition must make application on the prescribed form. The printed form shall contain an undertaking that the applicant will comply with the By-laws, rules, and regulations of the University. The application shall be accompanied by Certificates from two or more persons resident in the State that they were all acquainted with the applicant, and that he is a person of good fame and character.

2. He must state the Faculty in which he wishes to graduate, but he should indicate whether, in the event of his not being awarded an Exhibition in that Faculty, he would desire to be considered a candidate for an Exhibition in any other Faculties.

3. He must have passed the Leaving Certificate examination in the subjects, and at the standard prescribed in the By-laws for matriculation in the Faculty to which he is admitted.

4. Upon the award of an Exhibition, an Exhibitor must forthwith matriculate in the University, and proceed with his studies with a view to graduation in the Faculty to which he is admitted. If an Exhibitioner is unable to attend day lectures, the Public Exhibitions Committee may permit him to attend evening lectures. If at any time during his course an Exhibitor is prevented by illness or special circumstances from continuing his studies, the Public Exhibitions Committee may permit him to discontinue his studies for such periods as it thinks fit.

5. He may continue to hold the Exhibition for the period necessary for graduation for a first degree in his Faculty on the conditions that he be of good conduct in matters of discipline and otherwise; and that he pass all the prescribed qualifying examinations.

For the purpose of this By-law, the courses of lectures to be taken by an Exhibitioner in the Faculty of Arts may cover a period of four years, provided: That three courses, at least, must be taken in the First Year, and three courses, at least, in the Second Year, and two courses, at least, in the Third Year, except by candidates for Honours, who may elect to take in the Second Year only two courses, of which one, at least, shall be in a subject in which the exhibitioner is a candidate for Honours.

6. Failure to pass any qualifying examination will entail forfeiture of the Exhibition, provided that the Public Exhibitions Committee may, if it sees fit, continue or restore the Exhibition (a) if the failure is due to illness or special circumstances, or (b) if the Exhi-

bitioner has shown distinct merit in one or more qualifying courses for the year, and has at the next deferred examination passed in the subject or subjects in which he failed.

An application for the continuance or restoration of the Exhibition must be made within fourteen days after notification of the failure, or within such further time as the committee may allow. Where the application is based on illness, it must be accompanied by a certificate of a medical practitioner. Where it is based on special circumstances, it must be accompanied by a written statement from some person who has knowledge of the circumstances.

7. An Exhibitioner who has completed satisfactorily the course in any Faculty may continue to hold his Exhibition for a further period if proceeding immediately to the diploma in Education, or to a higher degree by means of postgraduate work approved by his Faculty, or if proceeding immediately with the permission of the Public Exhibitions Committee to a first degree in any other Faculty—provided that the tenure of each Exhibition shall not exceed a period of five years or, in the case of medical students, six years, and provided further that, in the case of a medical student who has been admitted by the Faculty of Science to candidature for the Honours degree in Science, or who has been admitted by the Faculty of Medicine for candidature for the degree of Bachelor of Science (Medical) in accordance with the provision of the By-law, Chapter XII, 24b, the tenure may be extended by the Committee up to a period not exceeding seven years, and provided further that a student who has been awarded a Public Exhibition in the Faculty of Arts and at the end of the B.A. course proceeds to the courses for the degree of Bachelor of Laws shall be permitted to hold his Public Exhibition for a total period not exceeding six years.

8. An Exhibitioner will be exempt from the payment of matriculation, tuition, and degree fees. He shall, however, be required to pay all other incidental expenses and fees, including the expenses of laboratory material, microscope fees and the fee for the University Union.

9. The Public Exhibitions Committee shall consist of the Vice-Chancellor, the Chairman of the Academic Board, and the Deans of Faculties who are for the time being Fellows of the Senate.

10. (1) The Leaving Certificate examination is adopted by the Senate for the allotment of Exhibitions.

(2) Exhibitions other than the one hundred which are to be allotted to the candidates who are highest in the order of merit as shown at the Leaving Certificate examination shall be allotted to candidates whose family circumstances and income are limited as follows:

(i) Where the candidate's usual place of residence is not more than twenty-five miles from the University, the combined income of the candidate, his father and mother shall not exceed, where the candidate's family includes—

(a) not more than three dependants—\$2 200

(b) four dependants—\$2 300

(c) five dependants—\$2 400

(d) six or more dependants, \$2 400 increased by \$100 for each dependant in excess of five.

(ii) Where the candidate's usual place of residence is more than twenty-five miles from the University, the combined income of the can-

didate, his father and mother shall not exceed, where the candidate's family includes—

(a) not more than three dependants—\$2 400

(b) four dependants—\$2 500

(c) five dependants—\$2 600

(d) six or more dependants, \$2 600 increased by \$100 for each dependant in excess of five.

(iii) For the purpose of this By-law (a) income means total income from all sources for the year ending on the 30th June immediately preceding the allotting of the Exhibition; (b) dependant includes any member of the candidate's family who is supported out of the income referred to in (i) or (ii) hereof and who is not, at the time when the candidate applies for an Exhibition, in receipt of an income exceeding \$1.50 a week.

(iv) If in any case presenting abnormal or exceptional features the Senate is satisfied that the candidate's position is in substance not financially better than is indicated in (i) or (ii) hereof but by reason of the abnormal or exceptional features the case does not come within the terms of (i) or (ii) hereof the Senate may nevertheless in its discretion allot the candidate an exhibition if he is otherwise qualified for such an allotment.

XXIV: PRIZES AND  
SCHOLARSHIPS:  
ACADEMIC BOARD  
RESOLUTIONS  
XXV: PUBLIC  
EXHIBITIONS:  
BY-LAWS

## Advanced students in Arts and Science

7. The statement drawn up by the Faculty shall be embodied by the Registrar in a certificate of research in a form approved by the Academic Board.

Each candidate before receiving a certificate of research shall deposit in the University Library two printed copies of his dissertation in a form approved by the Academic Board, but if the dissertation has been accepted for publication in some scientific journal the Librarian may accept a typewritten copy to be replaced by a printed copy on its publication in that journal.

8. A student who has obtained a certificate of research, and has completed six terms as an Advanced Student, may be admitted on payment of the usual degree fee, to the degree of B.A., or B.Sc. indicated in his certificate and thereafter under the usual conditions to other degrees in the University.

9. An Advanced Student shall not be admissible as a candidate for any University prize or scholarship which is only open to undergraduates.

### BY-LAWS CHAPTER XXVI

1. The Faculties of Arts and Science may admit as Advanced Students persons of the age of 21 years or upwards, not graduates of this or of another University, who give such evidence of general education and special qualification for advanced study and research as may be approved by the Faculty in which they wish to proceed to a degree.

2. The Faculty of Science may also admit graduates in Arts as Advanced Students in Science, provided they give such evidence of special qualification for advanced study and research as may be approved by that Faculty.

3. An Advanced Student who has been admitted to a course of advanced study and research shall devote his whole time during two academic years to such course at the University under the direction and supervision of one or more of the Professors of the University, and under such other conditions, as may, on the recommendation of the Academic Board, be approved by the Senate.

4. Applications for admission as Advanced Students shall, in general, be submitted not later than the first day of November in the year previous to that in which the applicant proposes to begin his course. The application shall not be granted unless it shall appear that the course or courses of advanced study and research can be conveniently pursued within the University.

5. An Advanced Student may in the sixth or any subsequent term after his admission submit to his Faculty a dissertation containing an account of and embodying the results of his research or researches. The dissertation shall be referred to one or more persons appointed by the Faculty who shall have power to examine the student orally or otherwise upon the subject thereof, and upon the courses of study which he has pursued, and shall report thereon to the Faculty.

The Faculty shall have power to take into consideration, together with the dissertation, any published memoir or record of work done by the student which he may desire to submit to them.

6. If the Faculty, after hearing the report of the referees, be of opinion that the work submitted by the student is of distinction as an original contribution to learning, or as a record of original research, they shall draw up a statement to this effect, indicating therein the subject or subjects of the student's research, and the degree B.A. or B.Sc. for which his work shall be a qualification, subject to the regulations which follow.

# Candidature for the degree of Doctor of Philosophy or for any degree of Master or for any diploma

for graduates of other universities or  
persons with equivalent qualifications

## BY-LAWS CHAPTER XXVIA

1. (1) On the recommendation of the Faculty or Board of Studies concerned, and subject to the By-laws relating to that Faculty or Board of Studies, the Academic Board may admit to candidature for the degree of Doctor of Philosophy or for any degree of Master or for any diploma an applicant who—
  - (a) is either—
    - (i) a graduate of another university or a college of advanced education; or
    - (ii) a person deemed by that Faculty or Board of Studies and by the Academic Board to have standing equivalent to that required of a graduate of the University of Sydney who is qualified for admission to candidature for the degree or diploma concerned; and
  - (b) is deemed by that Faculty or Board of Studies, as the case may be, and by the Academic Board to be suitably prepared in the particular field of study in which he proposes to be a candidate.
- (2) Qualifications obtained subsequently to those referred to in subsection (1) (a) of this section may be taken into account in the assessment referred to in subsection (1) (b) of this section.
2. A candidate admitted in accordance with section 1 shall:
  - (a) engage within the University of Sydney either full-time for at least one year or part-time for at least two years in work, consisting of such of the following namely—
    - (i) course work;
    - (ii) supervised study or investigation;
    - (iii) course work and supervised study or investigation;as may be required by the Faculty or Board of Studies concerned on the recommendation of the Head of the appropriate Department; and
  - (b) satisfy the other requirements prescribed for the degree or diploma for which he is a candidate.
3. Section 2 (a) shall not apply to a candidate who has at any time been a full-time member of the permanent teaching staff of the University of Sydney for not less than two years and has ceased to be a member, or who is a full-time member of the permanent teaching staff

at the time he satisfies the other requirements prescribed for the degree or diploma for which he is a candidate.

## RESOLUTIONS OF THE ACADEMIC BOARD

### HIGHER DEGREE CANDIDATURE

For graduates of other universities or applicants with equivalent qualifications

Pursuant to section 1 of Chapter XXVIA of the By-laws, the Academic Board makes the following Resolution:

Graduates of such other universities or other institutions as the Committee for Graduate Studies, after consultation with the faculties and boards of studies concerned, may from time to time determine for specific degrees and diplomas, may be admitted to candidature for the degree of Doctor of Philosophy or for any degree of master or for any diploma, by the faculty or board of studies.

Pursuant to section 2 of Chapter XXVIA of the By-laws, the Academic Board makes the following Resolutions:

1. It is the policy of the Academic Board in respect of candidates for higher degrees who have relied for admission to candidature on qualifications other than a degree of the University of Sydney that the University shall not be solely an examining body but rather that the University should be involved in the teaching and supervision of such candidates who will be required to spend the minimum period of their candidature within the University.
2. A graduate of another university or an applicant with qualifications obtained in another institution who has been admitted to candidature for a higher degree in accordance with Chapter XXVIA of the By-laws shall be regarded as engaging in work within the University when he attends classes, including lectures, seminars and laboratory classes or when he is engaged in supervised research work within the University or in approved field work.
3. Work carried out in research stations or hospitals or the like which are away from the Department to which the candidate is attached is to be regarded as work carried out within the University, provided that members of the academic staff able to give adequate direction to the candidate's work are located in that institution, and that the candidate carries out his work under the control of the University.

The term 'field work' where this is prescribed as part of the work of a candidate is taken to include not only observations in the field in such subjects as Anthropology, Botany and Geology, but also observations made in industry, commerce and public offices and the examination of documents and other materials in libraries, museums and other repositories outside the University. It is not taken to include laboratory work, other observational work, computations, etc., of the kind that is normally carried out within the University. Field work consisting of observations in industry, commerce and public offices shall not count for more than one-half of the minimum period of work to be done in the University.

XXVI: ADVANCED  
STUDENTS:  
BY-LAWS

XXVIA: HIGHER  
DEGREE CANDIDATURE:  
BY-LAWS  
ACADEMIC BOARD  
RESOLUTIONS

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## Enrolment of higher degree candidates

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## Admission *ad eundem gradum*

### BY-LAWS CHAPTER XXVI<sup>b</sup>

1. (1) A person whose admission to candidature for a higher degree has been approved by the Academic Board, Faculty, Board of Studies or Head of Department as provided elsewhere in these By-laws or in the relevant Resolutions of the Senate, Academic Board, Faculty or Board of Studies shall enrol as a candidate for the higher degree.  
(2) The enrolment shall, except where an extension of time for enrolment is granted by the Registrar due to special circumstances, be made within three weeks after the approval of admission and shall thereafter be made at the beginning of Lent Term in each year of candidature.
2. A candidate for a higher degree shall pay such fees as may be determined by the Senate.

### BY-LAWS CHAPTER XXVII

Admission *ad eundem gradum* in the University may be granted by the Senate, on the recommendation of the Faculty concerned, to graduates of such universities as the Senate may from time to time approve, provided that all applicants under this By-law shall furnish sufficient evidence of their degrees and good fame and character. On approval of his application each candidate shall pay to the Registrar such fee as may be determined by the Senate for the entry of his name on the University books in addition to the prescribed fee for his degree.



## BY-LAWS CHAPTER XXVIII

1. All appointments of Public Teachers in the schools of the University, other than Professors, shall be terminable by a notice of not less than six calendar months, which may be given by the Senate at any time, but which if given by the Teacher, must expire on 31st December. This By-law shall not apply to any case in which the Senate shall direct that the appointment shall be for a limited period.

2. All independent Lecturers or Public Teachers other than Professors shall, unless specifically appointed for a shorter term, hold office for a period not exceeding seven years, which shall terminate on 31st December next preceding the expiration of seven years from the date of appointment. During such period the appointment shall be terminable at six months' notice, as provided in section 1 of this Chapter, and at the expiration of such period the appointment shall terminate; but the holder shall be eligible for re-appointment.

This By-law shall not apply to Lecturers and Lecturers and Demonstrators appointed as Assistants to Professors.

## BY-LAWS CHAPTER XXIX

1. Any act required by the By-laws to be performed by any officer of the University may, during the absence or other incapacity of such officer, unless otherwise provided, be performed by a person appointed by the Senate to act in his place.

## BY-LAWS CHAPTER XXX

*[Repealed.]*

## BY-LAWS CHAPTER XXXI

### DIPLOMA IN SOCIAL WORK

*[These by-laws, which applied only to candidates for the Diploma in Social Work who commenced their candidatures prior to 1 January 1970, are printed in the Calendars for 1975 and previous years.]*

## Academic dress

### BY-LAWS CHAPTER XXXII

#### 1. The academic dress shall be for—

- (i) The Chancellor—a robe and cap similar to those worn by the Chancellor of the University of Oxford. In undress, the silk gown worn by other Fellows of the Senate, black velvet trencher cap and gold tassel.  
The Deputy Chancellor and Vice-Chancellor—a robe and cap as approved by the Senate. In undress as for the Chancellor.
- (ii) A Fellow of the Senate—the habit of his degree or a black silk gown similar to that worn by graduates holding the degree of Master, with tippet of scarlet cloth, edged with white fur and lined with blue silk, black velvet trencher cap.
- (iii) A Dean of a Faculty—the habit of his degree or a black silk gown similar to that worn by graduates holding the degree of Master, with tippet of black silk edged with white fur and lined with dark blue silk, black cloth trencher cap.
- (iv) Doctors—
  - Doctor of Letters—festal gown of scarlet cloth faced with cream silk, hood of scarlet cloth lined with cream silk.
  - Doctor of Divinity—festal gown of scarlet cloth faced with white and scarlet silk, hood of scarlet cloth lined with white silk and edged to a depth of 5 centimetres with scarlet silk.
  - Doctor of Laws—festal gown of scarlet cloth faced with blue silk, hood of scarlet cloth lined with blue silk.
  - Doctor of Medicine—festal gown of scarlet cloth faced with purple silk, hood of scarlet cloth lined with purple silk.
  - Doctor of Science—festal gown of scarlet cloth faced with amber silk, hood of scarlet cloth lined with amber silk.
  - Doctor of Engineering—festal gown of scarlet cloth faced with light maroon silk, hood of scarlet cloth lined with light maroon silk.
  - Doctor of Dental Science—festal gown of scarlet cloth faced with purple and cream silk, hood of scarlet cloth lined with purple silk and edged to a depth of 5 centimetres with cream silk.
  - Doctor of Veterinary Science—festal gown

of scarlet cloth faced with amber and purple silk, hood of scarlet cloth lined with amber silk and edged to a depth of 5 centimetres with purple silk.

Doctor of Science in Agriculture—festal gown of scarlet cloth faced with green silk, hood of scarlet cloth lined with green silk.

Doctor of Music—festal gown of scarlet cloth faced with lilac silk, hood of scarlet cloth lined with lilac silk.

Doctor of Science in Economics—festal gown of scarlet cloth faced with amber and murrey silk, hood of scarlet cloth lined with amber silk and edged to a depth of 5 centimetres with murrey silk.

Doctor of Architecture—festal gown of scarlet cloth faced with brick-red and white silk, hood of scarlet cloth lined with brick-red silk and edged to a depth of 10 centimetres with white silk.

For all Doctors except Doctor of Philosophy a black velvet bonnet with gold cord.

- (v) Doctor of Philosophy—festal gown of black cloth faced to a width of 15 centimetres with scarlet cloth, hood of scarlet cloth lined with black silk, black cloth trencher cap.
- (vi) The undress gown for all Doctors shall be black and of the same shape as the gown prescribed for Masters but with the sleeves bound with scarlet piping.
- (vii) Masters—gown similar to that worn by graduates holding the degree of Master of Arts in the University of Oxford or of Cambridge, black cloth trencher cap, hood of black silk:
  - Master of Arts—lined with blue silk.
  - Master of Education—lined with white silk.
  - Master of Laws—lined with ultramarine silk.
  - Master of Surgery—lined with scarlet silk.
  - Master of Science—lined with amber silk.
  - Master of Pharmacy—lined with amber silk and edged to a depth of 5 centimetres with copper silk.
  - Master of Engineering—lined with light maroon silk.
  - Master of Engineering Science—lined with light maroon silk and edged to a depth of 5 centimetres with dark maroon silk.
  - Master of Dental Surgery—lined with purple silk and edged to a depth of 5 centimetres with cream silk.
  - Master of Dental Science—lined with cream silk and edged to a depth of 5 centimetres with purple silk.
  - Master of Veterinary Science—lined with amber silk and edged to a depth of 5 centimetres with purple silk.
  - Master of Science in Agriculture—lined with green silk.
  - Master of Economics—lined with copper silk.
  - Master of Architecture—lined with brick-red silk and edged to a depth of 5 centimetres with white silk.
  - Master of Town and Country Planning—lined with brick-red silk, then a line 2 centimetres wide of amber silk, and edged to a depth of 5 centimetres with turquoise blue silk.
  - Master of Building Science—lined with brick-red silk, then edged to a depth of 5 centimetres with amber silk, then edged to a

depth of 5 centimetres with light maroon silk.  
Master of Science (Architecture)—lined with amber silk and edged to a depth of 5 centimetres with brick-red silk.

Master of Music—lined with lilac silk.

Master of Social Work—lined with white silk and edged with royal blue silk.

Master of Business Administration—lined with scarlet silk and edged with murrey silk.  
Master of Agriculture—lined with light green silk.

Master of Public Policy—lined with scarlet silk and edged with royal blue silk.

Master of Theology—lined with scarlet silk and edged to a depth of 10 centimetres with white silk.

Master of Public Health—lined with imperial purple silk and edged to a depth of 10 centimetres with scarlet silk.

Master of Psychology—lined with royal blue silk.

Master of Veterinary Clinical Studies—lined with imperial purple silk and edged to a depth of 5 centimetres with amber silk.

Master of Agricultural Economics—lined with green silk and edged to a depth of 5 centimetres with copper silk.

Master of Science (Architecture) (Conservation)—lined with amber silk, then edged to a depth of 5 centimetres with white silk, then edged to a depth of 5 centimetres with copper silk.

Master of Land Economy—lined with brick-red silk, then a line 2 centimetres wide of white silk and edged to a depth of 5 centimetres with copper silk.

Master of Medicine—lined with white silk, then a line 2 centimetres wide of scarlet silk and edged to a depth of 5 centimetres with purple silk.

- (viii) Bachelors—a gown similar to that worn by graduates holding the degree of Bachelor of Arts in the University of Oxford or of Cambridge, black cloth trencher cap, hood of black silk:

Bachelor of Arts—similar to that worn by graduates holding the degree of Bachelor of Arts in the University of Cambridge.

Bachelor of Divinity—lined with white silk and edged with scarlet silk.

Bachelor of Education—edged with white silk.

Bachelor of Music—edged with lilac silk.

Bachelor of Social Work—edged with dark blue and white silk.

Bachelor of Laws—edged with blue silk.

Bachelor of Medicine—edged with purple silk.

Bachelor of Surgery—edged with scarlet silk.

Bachelor of Science (Medical)—edged with amber and crimson silk.

Bachelor of Science, Bachelor of Science in Forestry, Bachelor of Science in Domestic Science, and Bachelor of Science in General Science—edged with amber silk.

Bachelor of Pharmacy—edged with amber and copper silk.

Bachelor of Engineering—edged with light maroon silk.

Bachelor of Science in Chemical Engineering—edged with light maroon and amber silk.

Bachelor of Dental Surgery—edged with purple and cream silk.

Bachelor of Veterinary Science—edged with amber and purple silk.

Bachelor of Science (Veterinary)—edged with purple and gold silk.

Bachelor of Science in Agriculture—edged with green silk.

Bachelor of Agriculture—edged with light green silk.

Bachelor of Economics—edged with copper silk.

Bachelor of Architecture—lined with white silk and edged with brick-red silk.

Bachelor of Science (Architecture)—edged with amber and brick-red silk.

Bachelor of Science (Dental)—edged with neyron rose and imperial purple silk.

Bachelor of Agricultural Economics—edged with green and copper silk.

Bachelor of Landscape Architecture—lined with white silk and edged with bronze-green silk.

- (ix) An officer not being a graduate—black silk gown similar to that worn by a civilian at the University of Oxford or of Cambridge not holding a degree, black cloth trencher cap.

- (x) Undergraduates—plain black stuff gown, black cloth trencher cap.

The colours shall be as defined by the Academic Board.<sup>1</sup>

Edged shall mean unless otherwise stated, edged to a depth of 10 centimetres:

Where two colours are stated the second shall be to the outside.

2. Members of the University shall, on all public occasions when convened for academic purposes, appear in their academic dress.

<sup>1</sup> The Academic Board has defined the colours as follows:

The colours mentioned shall be as defined in the British Colour Council Dictionary of Standard Colours, 1934 edition, and the numbers which follow are those by which the Dictionary identifies the colours approved for the purpose of academic dress:

Scarlet, B.C.C. No. 185.	Ultramarine, B.C.C. No. 148.
Blue, B.C.C. No. 193.	White, B.C.C. No. 151.
Dark blue, B.C.C. No. 148.	Dark maroon, B.C.C. No. 39.
Cream, B.C.C. No. 3.	Copper, B.C.C. No. 73.
Purple, B.C.C. No. 109.	Brick red, B.C.C. No. 125.
Amber, B.C.C. No. 5.	Turquoise blue, B.C.C. No. 193.
Light maroon, B.C.C. No. 36.	Crimson, B.C.C. No. 185.
Green, B.C.C. No. 213.	Gold, B.C.C. No. 54.
Light green, B.C.C. No. 99.	Murrey, B.C.C. No. 135.
Lilac, B.C.C. No. 176.	Royal blue, B.C.C. No. 197.
	Bronze-green, B.C.C. No. 79.
	Imperial purple, B.C.C. No. 109.
	Neyron rose, B.C.C. No. 35.

# Appointments Board

## BY-LAWS CHAPTER XXXIII

[Repealed.]

### RESOLUTIONS OF THE SENATE CAREERS AND APPOINTMENTS SERVICE AND APPOINTMENTS BOARD

1. There shall be a Careers and Appointments Service which shall provide careers information and advice to undergraduates and recent graduates and assist them in obtaining suitable appointments.

2. There shall be an Appointments Board which shall supervise and advise the Careers and Appointments Service and deal with such other matters as the Senate may refer to the Board.

3. There shall be a Director of the Careers and Appointments Service who shall be Secretary of the Board.

4. (1) The Board shall comprise the following persons:

(a) the Director of the Careers and Appointments Service;

(b) not more than fourteen members appointed by the Senate comprising—

(i) not more than six to be chosen from business, administration or the professions,

(ii) not more than four being members of the full-time academic staff to be nominated by the Academic Board,

(iii) not more than three being students enrolled for an undergraduate degree of the University of Sydney to be nominated by the Students' Representative Council and

(iv) not more than one being a student enrolled for a postgraduate degree or diploma of the University of Sydney to be nominated by the Sydney University Postgraduate Representative Association;

(c) not more than two persons co-opted by the members mentioned in the foregoing subsections (a) and (b).

(2) Pursuant to subsection (1) (b), the Senate shall appoint not more than fourteen members at its regular meeting in October, 1973, and at its regular meeting in October every third year thereafter.

(3) (a) Subject to subsection (3) (b), the members appointed by the Senate pursuant to

subsection (2) shall hold office for a period of three years commencing on 1st November following their appointment.

(b) The members co-opted pursuant to subsection (1) (c) shall hold office for the period commencing on the date of their co-option and terminating on 31st October of the year in which the next triennial appointment of members by the Senate takes place.

(c) Subject to subsection (3) (d), members shall be eligible for re-appointment or re-co-option.

(d) A person shall cease to hold office if he ceases to hold the qualifications in respect of which he was eligible for appointment.

(4) Any vacancy occurring by the death, disqualification or resignation of an appointed or co-opted member may be filled by a like method of appointment or co-option as the case may be and a person so appointed or co-opted shall hold office for the balance of the term of the person he replaces.

(5) The members of the Board appointed in accordance with the By-laws previously in force shall be deemed to hold office until 31st October, 1973.

5. (1) At the first meeting of the Board after its triennial appointment the members mentioned in section 4 (1) (a) and (b) shall elect from amongst their number a Chairman of the Board who shall hold office until 31st October of the year in which the next triennial appointment of members by the Senate takes place.

(2) Any vacancy in the office of Chairman occurring by death, disqualification or resignation shall be filled by a like method of election at a duly convened meeting of the Board to be held as soon as conveniently may be and the Chairman so elected shall hold office for the balance of the term of the person he replaces.

6. (1) The Board shall meet at least once in each year.

(2) A meeting of the Board may be convened at any convenient time by the Chairman or on the requisition of any five members addressed to the Secretary of the Board.

(3) At any meeting of the Board five members shall form a quorum.

7. In or before the month of October in each year the Board shall lay before the Senate a report covering the preceding twelve months ending at 30th June.

# Postgraduate Committee in Medicine

## BY-LAWS CHAPTER XXXIV

*[Repealed.]*

## RESOLUTIONS OF THE SENATE

### THE VICTOR COPPLESON MEMORIAL INSTITUTE OF POSTGRADUATE MEDICAL STUDIES

1. In consideration of support derived from the Postgraduate Medical Foundation and from the Victor Coppleson Memorial Appeal Fund there shall be an institute to be known as the Victor Coppleson Memorial Institute of Postgraduate Medical Studies for the promotion of postgraduate education, study, work and research in Medicine and the advancement of the art and science of Medicine.
2. The Institute shall be administered by the Postgraduate Committee in Medicine.
3. (a) The Director of Postgraduate and Continuing Education of the Postgraduate Committee in Medicine shall be the Director of the Institute.  
(b) The Director's appointment may be honorary or paid and part-time or full-time as resolved by the Senate on the recommendation of the Postgraduate Committee in Medicine.
4. The Institute and its officers shall have such powers, duties and functions as may be prescribed by, or under resolution of the Senate, provided that all acts of the Institute shall be subject to the By-laws and to any direction which may be given by the Senate.
5. The Senate shall provide such secretarial assistance and other staff as it deems proper for the Institute, provided that the staff of the Postgraduate Committee in Medicine employed at the date of the constitution of the Institute shall, on and from that date, be transferred to the Institute without loss of continuity of employment.
6. The Institute may
  - (a) organise postgraduate courses, demonstrations and lectures and other postgraduate instruction in Medicine within the University or elsewhere in New South Wales.
  - (b) engage in such activities as are desirable for promoting postgraduate education, study, work and research in Medicine and for advancing the art and science of Medicine.
  - (c) co-operate with scientific bodies recognised as having similar or allied objects, and

- (d) do such things as are proper for any of the matters mentioned in these resolutions.
7. The Institute shall recommend to the Senate
    - (a) the persons to be employed as lecturers,
    - (b) the hospitals to be approved for postgraduate work, and
    - (c) the scientific bodies to be recognised as having similar or allied objects.
  8. Subject to the overriding authority of the Senate, the Institute may
    - (i) determine
      - (a) the tenure of office of lecturers and the duties to be performed by them,
      - (b) the remuneration and expenses to be paid in respect of lectures, demonstrations and classes, and
      - (c) the fees, charges and moneys to be paid to the Institute or to any person on its behalf in respect of lectures, demonstrations and classes or otherwise;
    - (ii) give such directions in regard to any matters referred to in (i), including the time and mode of payment of the fees, charges and moneys referred to in paragraph (c), as it thinks fit.
  9. All moneys received by or on behalf of the Institute shall be paid to the University forthwith, and shall be set apart as a separate fund, to be known as the Postgraduate Fund in Medicine and to be used for carrying on the work of the Institute, or set apart as such separate funds for special purposes as the Postgraduate Committee in Medicine may determine.
  10. (a) All moneys for expenses incurred by the Institute or to be applied for any purpose within these resolutions shall be paid from these funds.  
(b) All requisitions for payment of moneys from these funds shall be signed by the Director of the Institute or by such person or persons as shall have authority delegated by him.  
(c) All such requisitions shall be forwarded to the Accountant of the University.
  11. The Accountant of the University shall render a monthly financial statement to the Institute and shall give such information in regard to the fund as the Institute may desire and shall prepare a balance sheet of the fund as at 31st December of the previous year for presentation at the annual meeting.
  12. (a) The Institute shall provide the Vice-Chancellor with a budget each year in respect of the finances of the following year in a form approved by the Vice-Chancellor.  
(b) The Institute shall each year lay before the Senate and the Postgraduate Committee in Medicine a report of its proceedings for the year.
  13. The Institute may make rules for the carrying out of these resolutions.

## RESOLUTIONS OF THE FACULTY OF MEDICINE

### POSTGRADUATE COMMITTEE IN MEDICINE

1. There shall be a Committee of the Faculty of Medicine to be known as the Postgraduate Committee in Medicine, for the promotion of postgraduate education, study, work and research in Medicine and the advancement of the art and science of Medicine.
2. In particular, the objectives of the Committee shall be as follows:
  - (a) To foster the development of postgraduate education in cooperation with the Health Commission of New South Wales and teach-

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- ing hospitals of the University of Sydney, learned colleges and other institutions;
- (b) To maintain the role of the Victor Coppleson Memorial Institute of Postgraduate Medical Studies in furthering continuing education in the community and in supporting medical research and postgraduate training;
  - (c) To encourage awareness among undergraduate medical students and graduates of the need for postgraduate and continuing education.
3. The Committee shall administer the Victor Coppleson Memorial Institute of Postgraduate Medical Studies and undertake such duties and responsibilities as are prescribed by the Resolutions of the Senate governing the activities of the Institute.
4. (i) The Committee shall comprise the following persons:
- (a) The Dean of the Faculty of Medicine *ex officio*, or his nominee who shall be eligible for election as Sub-Dean (Postgraduate and Continuing Education);
  - (b) the Director of Postgraduate and Continuing Education *ex officio*;
  - (c) the immediate past Chairman, immediate past Director of Postgraduate Medical Studies and immediate past Honorary Treasurer of the Postgraduate Committee in Medicine, in accordance with the Resolutions of the Senate in force prior to 1 April, 1980, *ex officio*;
  - (d) not more than ten (10) persons elected by the Faculty every three years;
  - (e) not more than two (2) co-opted persons who shall be appointed by the Faculty on the recommendation of the Chairman in consultation with the members of the Committee appointed under paragraphs (b) to (d), inclusive.
- (ii) The members of the Committee appointed under Resolution 4 (i) (c), (d) and (e) shall hold office for a period of one term and may be eligible for reappointment by the Faculty for not more than three (3) successive terms.
- (iii) A term, referred to in Resolution 4 (ii), shall be a period of three (3) years.
5. Any person who is appointed a member of the Committee and who is not a member of the Faculty in accordance with Chapter XII of the By-laws, shall be nominated for appointment to membership of the Faculty, in accordance with Section 1 (a) (1) of Chapter XII of the By-laws.
6. (i) If any member (other than an *ex officio* member) is absent without leave of the Committee from three consecutive meetings or for more than half the total in any one year, the Committee may recommend to the Faculty that his office be declared vacant.
- (ii) Except in the case of an *ex officio* member, the Committee may recommend to the Faculty that the office of any member be terminated.
- (iii) In any case in which it thinks fit the Faculty may declare the office of any member to be vacant, or direct that he shall cease to hold office.
- (iv) Any member (other than an *ex officio* member) may resign his office in writing addressed to the Dean.
7. Any vacancy occurring by the death, disqualification or resignation of an elected or co-opted member of the Committee may be filled by the appointment

of a member by the Faculty on the nomination of the Dean, to hold office for the balance of the term of the member being replaced.

8. The Committee shall appoint annually the following Sub-Committees:
- (i) a Finance Sub-Committee;
  - (ii) a Courses Sub-Committee;
  - (iii) a Grants Sub-Committee;
  - (iv) a Coordinating Sub-Committee, which may include representatives from:
    - (a) The following teaching hospitals of the Faculty of Medicine:
      - The Royal Prince Alfred Hospital;
      - The Sydney Hospital;
      - The Royal North Shore Hospital;
      - The Repatriation General Hospital, Concord;
      - The Lidcombe Hospital;
      - The Parramatta Hospitals/ Westmead Centre;
      - The Royal Alexandra Hospital for Children;
      - The Women's Hospital, Crown Street;
      - St Margaret's Hospital for Women;
      - The Mater Misericordiae Hospital, Crows Nest;
 and such other hospitals as the Committee may, from time to time, recommend.
    - (b) The New South Wales Branch of the Australian Medical Association.
    - (c) The Medical Board of New South Wales.
    - (d) The Health Commission of New South Wales.
    - (e) The Heads of the Departments of the Faculty of Medicine, or their nominees, who are not members of the Committee by virtue of Resolutions 4 (i) (d) and (e).
    - (f) The New South Wales State Committee of the Australian College of Obstetricians and Gynaecologists.
    - (g) The Royal Australian College of General Practitioners, New South Wales Faculty.
    - (h) The New South Wales State Committee of the Royal Australasian College of Surgeons.
    - (i) The New South Wales State Committee of the Royal Australasian College of Physicians.
    - (j) The New South Wales State Committee of the Royal College of Pathologists of Australia.
    - (k) The Australasian College of Dermatologists, New South Wales Faculty.
    - (l) The New South Wales Branch of the Royal Australian College of Ophthalmologists.
    - (m) The New South Wales Branch of the Royal Australian and New Zealand College of Psychiatrists.
    - (n) Such other statutory bodies, learned colleges, or institutions as the Committee may, from time to time, recommend.
  - (v) Such other Sub-Committees as the Committee may, from time to time, determine.
9. The Dean of the Faculty, or his nominee (referred to in Resolution 4 (i) (a)) shall be the Chairman of the Committee.

10. Meetings of the Committee shall be convened by the Chairman and for any meetings five members shall form a quorum.

11. The Committee shall lay before the Faculty of Medicine a report of its proceedings each term.

# Postgraduate Committee in Veterinary Science

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COMMITTEE IN MEDICINE:  
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XXXV: POSTGRADUATE  
COMMITTEE IN  
VETERINARY SCIENCE:  
BY-LAWS

## BY-LAWS CHAPTER XXXV

1. There shall be a committee to be known as the Postgraduate Committee in Veterinary Science, for the promotion of postgraduate education, study, work and research in Veterinary Science.

2. The Committee shall consist of—

- (a) the Chancellor, the Deputy Chancellor, the Vice-Chancellor, such Fellows of the Senate as are qualified to be members of the veterinary profession, the Dean of the Faculty of Veterinary Science and the President of the Board of Veterinary Surgeons of New South Wales as *ex officio* members;
- (b) representative members, but not more than twenty appointed by the Senate;
- (c) co-opted members, if any, but not more than four, who may be elected by the *ex officio* and the appointed members;
- (d) members, if any, by virtue of appointment as chairman, as honorary director of postgraduate veterinary studies, or as honorary secretary.

3. A chairman, an honorary director of postgraduate veterinary studies who may also be chairman or honorary secretary, and an honorary secretary shall be appointed by the Senate either from among the members of the Committee or otherwise.

Any person so appointed shall, except in the case of an *ex officio* member, be a member by virtue of such appointment, and his membership, if any, as a representative or co-opted member shall cease.

4. The chairman, honorary director of postgraduate veterinary studies, honorary secretary and representative members shall be appointed, and a vacancy in any such office may be filled by the Senate on the recommendation of the Committee.

Provided that the first appointment of chairman, honorary director of postgraduate veterinary studies, honorary secretary and representative members may be made as the Senate deems proper.

Where a representative member has leave from the Committee to be absent for a period exceeding three months, the Senate may appoint a person as a representative member in his place during such absence.

5. Members (other than *ex officio* members) shall have such qualifications and hold office for such periods and subject to such conditions as may be prescribed by resolution of the Senate.

6. The Committee and its officers shall have such powers, duties and functions as may be prescribed by

or under resolution of the Senate, provided that all acts of the Committee shall be subject to the By-laws and to any direction which may be given by the Senate.  
7. The Senate shall provide such secretarial assistance as it deems proper for the Committee.

## RESOLUTIONS OF THE SENATE

### POSTGRADUATE COMMITTEE IN VETERINARY SCIENCE

#### The Committee

1. Representative members shall be appointed in respect of the following bodies:

- (a) the Faculty of Veterinary Science;
- (b) the New South Wales Division of the Australian Veterinary Association;
- (c) the Division of Animal Health, Department of Agriculture, N.S.W.;
- (d) the CSIRO;
- (e) the Association of Veterinary Inspectors of N.S.W.;
- (f) the Postgraduate Foundation in Veterinary Science;
- (g) such other bodies, if any, as the Senate may determine.

There shall be four representative members of the New South Wales Division of the Australian Veterinary Association, two representative members from each of the Faculty of Veterinary Science and CSIRO and one from each of the Division of Animal Health, Department of Agriculture, N.S.W., the Association of Veterinary Inspectors of N.S.W., and the Postgraduate Foundation in Veterinary Science.

A recommendation of the Committee to the Senate of any person for appointment as a representative member shall specify the body in respect of which he is to be appointed.

Before making the recommendation the Committee shall consult the body concerned, except in the case of members representative of the teaching staff of the Postgraduate Committee.

2. Co-opted members, if any, shall be selected at the annual meeting of the Committee or at such other times as the Committee may determine.

3. No person shall be a member representative:

- (a) of the Faculty of Veterinary Science, unless he is a member of the Faculty;
- (b) of the New South Wales Division of the Australian Veterinary Association, unless he is a member of the Division;
- (c) of any other body, unless he has such qualifications as the Senate may think proper.

4. (1) Subject to subsection (2), members (other than *ex officio* members) shall hold office as follows—

- (a) a representative member, until he ceases to be qualified to be a member representative of the body in respect of which he is appointed;
- (b) a co-opted member for one year from 1st January following his election; and
- (c) a person who is a member by virtue of his appointment as chairman, honorary director of postgraduate veterinary studies or honorary secretary, until he ceases to be chairman, honorary director of postgraduate veterinary studies or honorary secretary, as the case may be.

(2) The Committee may, by rule approved by the Senate, fix such period as it thinks fit for the holding of office by a member representative of such body as may be specified in the rule or by a person who is a member by virtue of his appointment as

chairman, honorary director of postgraduate veterinary studies or honorary secretary.

(3) The members representative of the New South Wales Division of the Australian Veterinary Association and the Association of Veterinary Inspectors of N.S.W. shall hold office for one year from 1st January following their appointment.

(4) The members by virtue of their appointment as chairman, honorary director of postgraduate veterinary studies or honorary secretary shall hold office for three years from 1st January following their appointment.

(5) The members representative of the Faculty of Veterinary Science, Division of Animal Health, Department of Agriculture, N.S.W., CSIRO, and the Postgraduate Foundation in Veterinary Science, shall hold office for three years from 1st January following their appointment.

5. If any member (other than an *ex officio* member) is absent without leave of the Committee from three consecutive meetings or for more than half the total in any one year, the Committee may recommend to the Senate that his office be declared vacant.

Except in the case of an *ex officio* member the Committee may recommend to the Senate that the office of any member be terminated.

In any case in which it thinks fit the Senate may declare the office of any member to be vacant, or direct that he shall cease to hold office. Any member (other than an *ex officio* member) may resign his office in writing addressed to the Registrar.

#### Powers, duties, and functions of the Committee

6. The Committee may:

- (a) organise postgraduate courses, demonstrations and lectures, and other postgraduate instruction in Veterinary Science within the University or elsewhere;
- (b) engage in such activities as it thinks desirable for promoting postgraduate education, study and work in Veterinary Science;
- (c) co-operate with scientific bodies recognised as having similar or allied objects;
- (d) do such things as it thinks proper for any of the matter mentioned in this resolution.

7. The Committee shall recommend to the Senate:

- (a) the scientific bodies to be recognised as having similar or allied objects;
- (b) the establishments to be approved for postgraduate work.

8. The Committee may determine:

- (a) the tenure of office of lecturers, and the duties to be performed by them;
- (b) the remuneration and expenses to be paid in respect of lectures, demonstrations, and classes;
- (c) the fees, charges, and moneys to be paid to the Committee or to any person on its behalf in respect of lectures, demonstrations, and classes or otherwise.

The Committee may give such directions in regard to any of these matters including the time and mode of payment of the fees, charges, and moneys referred to in paragraph (c) as it thinks fit.

9. All moneys received by or on behalf of the Committee shall be paid to the University forthwith, and shall be set apart as a separate fund, to be known as the Postgraduate Fund in Veterinary Science, and to be used for carrying on the work of the Committee, or set apart as such separate funds for special purposes as the Postgraduate Committee may determine.



All donations, bequests and government grants made for the promotion of postgraduate education in Veterinary Science and such moneys as may be granted or advanced by the Senate to the Committee, shall be paid into such fund as the Postgraduate Committee may determine and applied in accordance with the trust or directions, if any.

**10.** All moneys for expenses incurred by the Committee or to be applied for any purpose within these resolutions shall be paid from these funds.

All requisitions for payment of moneys from these funds shall be signed by the chairman or by the honorary secretary or by an executive officer authorised by the Committee to sign in lieu of the chairman or honorary secretary.

All such requisitions shall be forwarded to the Accountant of the University.

**11.** The Accountant of the University shall render a monthly financial statement to the honorary secretary of the Committee and shall give such information in regard to the funds as the Committee may desire and shall prepare a balance sheet of the funds as at 31st December of the previous year for presentation at the annual meeting.

**12.** The Committee shall each year lay before the Senate a report of its proceedings for the year, and may forward a copy of its report and of the balance sheet of the fund to the Committee of the New South Wales Division of the Australian Veterinary Association.

#### **Officers and sub-committees**

**13.** (1) The Committee shall at the first meeting, provided that this meeting is held before 31st May, following the annual general meeting recommend the appointment of a chairman, an honorary director of postgraduate veterinary studies and an honorary secretary who shall hold office as prescribed under section 4 (4) of these resolutions, provided that in the event of a vacancy occurring the Committee may, at any meeting, recommend the filling of the vacancy for the remainder of the term.

(2) The Committee may at the first meeting, provided that this meeting is held before 31st May, following the annual general meeting elect a vice-chairman and an honorary treasurer who shall hold office so long as the persons so elected remain members of the Committee and provided that in the event of a vacancy occurring the Committee may, at any meeting, fill the vacancy for the remainder of the term.

**14.** The chairman, the vice-chairman, the honorary secretary, the honorary treasurer and the director of Postgraduate Veterinary Science Studies shall, together with such additional members as may be elected by the Committee at the first meeting following the annual general meeting, form the Executive and Finance Committee, which shall have power to co-opt additional members from amongst the members of the Committee. Elected and co-opted members of the Executive and Finance Committee shall hold office until 31st May next following their election or co-option.

**15.** The Committee may appoint such subcommittees as it deems proper.

#### **Meetings**

**16.** The Committee shall normally meet once a term, but may be summoned at any time by the chairman (or in his absence, by the vice-chairman), or by any three members of the Committee.

The annual meeting of the Committee shall be held in Michaelmas term in each year, at which meeting the annual report and balance sheet shall be presented.

Notice of any meeting shall be in writing, and except in any emergency shall be given at least seven days before the meeting. At any meeting of the Committee four shall form a quorum.

#### **By-laws, resolutions and rules**

**17.** The Committee may at any time submit to the Senate proposals for the better working or the amendment of the By-laws or Resolutions including proposals regarding representation of bodies, tenure of office of members, and powers, duties and functions, of the Committee.

**18.** The Committee may make rules for carrying out these Resolutions.

XXXV: POSTGRADUATE  
COMMITTEE IN  
VETERINARY SCIENCE:  
BY-LAWS  
SENATE RESOLUTIONS

## Discipline of academic staff

### BY-LAWS CHAPTER XXXVI

1. (1) Without prejudice to the generality of the provisions of Chapter VI of these By-laws, the Vice-Chancellor shall, under the Senate, have power whether at the direction of the Senate or according to this Chapter to take disciplinary action against an academic staff member for misconduct.  
(2) Any such action by the Vice-Chancellor shall be reported, except as provided by this Chapter, to the next meeting of the Senate.  
(3) The Vice-Chancellor, whether for reasons of convenience or of natural justice, may appoint a Deputy Vice-Chancellor to exercise any or all of the Vice-Chancellor's powers, duties and responsibilities under this Chapter and the Vice-Chancellor shall report every such delegation to the next meeting of the Senate.
2. No disciplinary action shall be proposed or taken except according to natural justice.
3. (1) In this section—  
'censure' means a strong form of public reprimand;  
'disciplinary action' means reprimand, censure or dismissal;  
'dismissal' means dismissal from the service of the University.  
(2) A reprimand may be issued to one or more staff members and shall be communicated in writing signed by the Registrar and shall state as particularly as is reasonable the offending conduct that has led to the reprimand.  
(3) A censure may be issued to one or more staff members and shall be communicated in writing signed by the Registrar and shall state as particularly as is reasonable the offending conduct that has led to the censure.  
(4) Dismissal may be decided upon by the Senate only.  
(5) Subject to the provisions of any Act and of any scheme of superannuation, the pension, superannuation and other rights of the dismissed staff member or members shall be determined conclusively by the Senate.  
(6) Any dismissal shall be communicated to the staff member or members concerned in writing signed by the Registrar.

4. The Vice-Chancellor, on finding sufficient reason to believe that there may be cause for disciplinary action against a member of the academic staff, may take either or both of the following courses of action, advice of which shall be conveyed to the staff member in writing by the Registrar:—

- (a) suspend the staff member (but not with suspension of salary) pending investigation and final determination of the matter (which suspension the Vice-Chancellor may lift or vary at any time);
- (b) investigate the matter or cause it to be investigated.

5. In making the investigation under section 4(b) the Vice-Chancellor or his or her nominee shall have power to require any member of the University staff or any student to appear before the person conducting the investigation with a view to assisting the investigation, but no person so appearing shall be obliged to answer any question.

6. If as a result of the investigation the Vice-Chancellor is of the opinion that disciplinary proceedings should not be taken, the staff member shall be notified accordingly in writing by the Registrar.

7. If as a result of the investigation the Vice-Chancellor is of the opinion that disciplinary proceedings should be taken, the staff member shall, in writing signed by the Registrar, be notified—

- (a) of the Vice-Chancellor's decision to initiate disciplinary proceedings;
- (b) of the substance of the allegations made;
- (c) of the options open to the staff member under section 8; and
- (d) that unless within 14 days he or she notifies the Registrar of an election of an option under section 8, the Vice-Chancellor may initiate proceedings under that section as the Vice-Chancellor sees fit.

8. Disciplinary proceedings may be dealt with in any of the following ways:—

- (a) by the Vice-Chancellor in a summary manner, except that if at any stage either before or during the proceedings the Vice-Chancellor forms the view that the matter is too serious to be so dealt with he or she may determine that this option should not, or should no longer, be available;
- (b) by the Senate;
- (c) by a Staff Proctorial Board.

9. (1) With the written consent of the staff member concerned, the Vice-Chancellor may in his or her own discretion decide to deal with the matter summarily, but not so as to impose any greater penalty than a reprimand.

(2) The staff member may request, and the Vice-Chancellor may recommend to the Senate, that the matter be reported to the Senate without mention of the staff member's name.

(3) If the Vice-Chancellor, during the summary proceedings, forms the view mentioned in section 8(a), the staff member concerned shall be informed accordingly in writing signed by the Registrar and shall be offered the options available under section 8(b) and (c) and advised of the consequences of failing to make an election as referred to in section 7(d).

10. Upon receipt of a matter referred to it by the Vice-Chancellor, the Senate shall—

- (a) refer the matter to a Senate Committee of Investigation;

- (b) without reference to a Senate Committee of Investigation, decide that no further action be taken; or
  - (c) refer the matter to a Staff Proctorial Board.
11. (1) A Senate Committee of Investigation shall consist of 7 Fellows of the Senate, including the Chancellor, the Deputy Chancellor, 3 Fellows elected under section 7(1)(d) of the University and University Colleges Act, 1900, and 2 Fellows elected under section 7(1)(e) of that Act.
- (2) In the absence of the Chancellor and Deputy Chancellor, a member elected by the members present at a meeting of a Senate Committee of Investigation shall be Chairman.
- (3) A quorum for a meeting of a Senate Committee of Investigation shall be 4 members.
- (4) The members of a Senate Committee of Investigation shall be elected each year by the Senate and shall remain in office until their successors have been elected.
- (5) Where the term of office of a member of a Senate Committee of Investigation expires during the hearing of an allegation of misconduct, the member shall continue to be a member of the Committee of Investigation until the hearing of the allegation has been completed.
- (6) All casual vacancies shall be notified by the Registrar at the next meeting of the Senate and shall be filled by the Senate as soon thereafter as conveniently may be done.
- (7) A Senate Committee of Investigation may proceed as it sees fit subject to the requirements of natural justice and these By-laws and if the circumstances warrant disciplinary action according to these By-laws, may recommend it to the Senate, which may accept the recommendation or vary or reject it, but not so as to increase the severity of the action recommended.
12. Where a staff member elects, or the Senate or the Vice-Chancellor decides, to have a matter referred to a Staff Proctorial Board, the Vice-Chancellor shall refer the allegation of misconduct to the Chairman of the Staff Proctorial Panel.

#### STAFF PROCTORIAL PANEL

13. (1) There shall be a Staff Proctorial Panel consisting of—
- (a) the Chairman of the Academic Board; and
  - (b) 6 full-time members of the academic staff (of whom at least 2 shall be professors and at least 2 shall not be professors) elected by and from the members of the Academic Board who are members of the full-time academic staff.
- (2) The members of the Staff Proctorial Panel, referred to in subsection (1)(b), shall be elected at a meeting of the Academic Board held in March each year or within such further time as the Senate may allow.
- (3) Where the office of any member of the Staff Proctorial Panel referred to in subsection (1)(b)—
- (a) falls vacant, whether by resignation, death, retirement, absence on leave from the University or otherwise; or
  - (b) is not filled at the election held at the meeting referred to in subsection (2),
- that office may be filled by a person elected in accordance with subsection (1)(b).
- (4) Subject to subsection (5) and section 18, a member of the Staff Proctorial Panel (other than the member referred to in subsection (1)(a)) shall assume office from the date of election by the Aca-

demical Board and shall hold office until a successor is elected.

- (5) The Senate may, at any time, extend the term of office of any member of the Staff Proctorial Panel and the successor to that member shall not assume office until the expiration of that term as so extended.
- (6) The member of the Staff Proctorial Panel referred to in subsection (1)(a) shall be the Chairman of the Panel.
- (7) In the case of the illness or absence of the Chairman of the Staff Proctorial Panel, the Deputy Chairman of the Academic Board may act as deputy for the Chairman during the Chairman's illness or absence and, during the time the Deputy Chairman acts as deputy, the Deputy Chairman shall have all the powers and authority of the Chairman.
14. The Chairman of the Staff Proctorial Panel shall convene a meeting of the Staff Proctorial Panel as soon as practicable after the Vice-Chancellor has referred an allegation of misconduct against a staff member to the Chairman of the Staff Proctorial Panel.
15. (1) At a meeting of the Staff Proctorial Panel the Chairman of the Panel shall inform the Panel of the allegation of misconduct in respect of which the meeting was convened and the name of the staff member against whom the allegation is made and any member of the Staff Proctorial Panel may, with the consent of the Chairman of the Staff Proctorial Panel, be disqualified at the member's own request from membership of a Staff Proctorial Board to be constituted to hear an allegation against a staff member on the ground that the member may appear to be biased in relation to any matter concerning the allegation.
- (2) When all disqualifications from membership of a Staff Proctorial Board to be constituted to hear an allegation of misconduct have been made under subsection (1), each of the remaining members of the Staff Proctorial Panel shall disclose to the Staff Proctorial Panel—
- (a) whether the member has been or is involved in or associated with any matter concerning the allegation and, if the member has been or is so involved or associated, the nature or extent of the involvement or association; and
  - (b) whether the member has or has had any attitude towards or association with any person known to be involved in or associated with any matter concerning the allegation.
- (3) If, in the opinion of the Chairman of the Staff Proctorial Panel, a disclosure made by a member of the Staff Proctorial Panel under subsection (2) gives rise to a reasonable apprehension that the member would be biased in deciding any matter concerning an allegation of misconduct against a staff member, the Chairman may disqualify that member from membership of the Staff Proctorial Board to be constituted to hear the allegation.
- (4) Where the Chairman of the Staff Proctorial Panel seeks to be disqualified under subsection (1) or where the Chairman makes a disclosure under subsection (2), the senior member of the Staff Proctorial Panel referred to in section 13(1)(b) who has not been disqualified shall have the power to consent to the Chairman being disqualified under subsection (1) or to disqualify the Chairman under subsection (3).

#### STAFF PROCTORIAL BOARD

16. (1) A Staff Proctorial Board shall consist of 3 persons of whom—

- (a) 2 shall be members, but not including the Chairman, of the Staff Proctorial Panel elected by the Staff Proctorial Panel, who are not disqualified from membership of that Board; and
  - (b) 1 shall be a person appointed by the Senate under section 17.
- (2) The member of a Staff Proctorial Board referred to in subsection (1)(b) shall be Chairman of the Staff Proctorial Board.
17. The Senate shall appoint a Chairman of a Staff Proctorial Board annually, or at such other times as appears to be desirable, from among persons who are barristers or solicitors of the Supreme Court of New South Wales of more than 5 years' standing, or who hold or have held office as Judge or Stipendiary Magistrate in any court in Australia, whether State or Federal.
18. Where the term of office of a member of the Staff Proctorial Panel expires while the member is a member of a Staff Proctorial Board constituted to hear an allegation of misconduct, the member shall continue to be a member of the Staff Proctorial Board until the hearing of the allegation is completed.
19. (1) If a member of the Staff Proctorial Panel dies or otherwise ceases to be a member of the Staff Proctorial Panel while a member of a Staff Proctorial Board constituted to hear an allegation of misconduct or if a member of a Staff Proctorial Board is, for any reason, unable to attend a meeting of the Staff Proctorial Board, the remaining 2 members of that Board may, with the written approval of the Chairman of the Staff Proctorial Panel but subject to section 20, continue the hearing of the allegation and make a determination in relation to the allegation.
- (2) If, in the opinion of the Chairman of the Staff Proctorial Panel, it is not possible for a hearing of an allegation of misconduct to be concluded within a reasonable time, then a new Staff Proctorial Board shall be constituted and the allegation heard by it *de novo*.
20. A Staff Proctorial Board shall not hear any allegation of misconduct or make any recommendation to the Senate in relation to such an allegation (other than a decision to adjourn a hearing) in the absence of the Chairman of the Board.

#### HEARINGS BY SENATE COMMITTEE OF INVESTIGATION OR STAFF PROCTORIAL BOARD

21. An allegation of misconduct against a staff member shall be heard—
- (a) if the allegation has been referred to a Senate Committee of Investigation, as soon as practicable; or
  - (b) if the allegation has been referred to the Staff Proctorial Panel for hearing by a Staff Proctorial Board, as soon as practicable after the Staff Proctorial Board is constituted for that purpose.
22. In the hearing of an allegation of misconduct against a staff member, the Committee of Investigation or Staff Proctorial Board—
- (a) shall ensure that the staff member and any witnesses have been correctly identified and that the allegations of misconduct against the staff member have been made known to the staff member;
  - (b) shall have power to summon any member of the University staff or any student to appear to give evidence in relation to the allegation;
  - (c) shall have power to obtain information as to the facts concerning the allegation in any way the Committee of Investigation or the Staff Proctorial Board sees fit and may at any stage seek further information in any manner reasonably possible;
  - (d) shall have full power to determine the procedure of the hearing;
  - (e) shall, if satisfied that there is insufficient evidence to establish the allegation of misconduct, recommend to the Senate that the allegation be dismissed; and
  - (f) shall, if satisfied that there is a case to answer with respect to the allegation, give the staff member an opportunity to answer the allegation.
23. (1) One or more different allegations of misconduct may be heard against one or more staff members at the same hearing.
- (2) If at any time before a recommendation to the Senate has been made in relation to an allegation of misconduct against a staff member, a fresh allegation is made against the staff member, being an allegation which arises out of or relates to the same conduct which is the subject of the previous allegation, the Committee of Investigation or, as the case may be, the Staff Proctorial Board may hear the fresh allegation together with the allegation previously made against the staff member but the staff member shall be given an opportunity to prepare a response to that fresh allegation.
24. Where a staff member fails to appear at the time and place appointed by the Committee of Investigation or Staff Proctorial Board for the hearing of an allegation of misconduct against the staff member, the Committee of Investigation or, as the case may be, the Staff Proctorial Board, may, if satisfied that reasonable and proper steps have been taken to give to the staff member notice of the hearing—
- (a) proceed in the absence of the staff member; or
  - (b) adjourn the hearing to a later date and cause the staff member to be given a notice stating that the hearing is so adjourned and informing the staff member that the hearing will proceed on the later date notwithstanding any further absence of the staff member.
25. (1) A person to whom a question is put at a hearing may object to the question and, subject to subsection (2), the Committee of Investigation or, subject to subsection (3), the Staff Proctorial Board shall decide whether the objection should be upheld.
- (2) A decision in respect of any matter at a hearing of a Committee of Investigation—
- (a) where the matter raises a point of law, shall be made by the Chairman of the Committee; and
  - (b) in any other case, shall be made by the Committee, the Chairman having a deliberative and casting vote.
- (3) A decision in respect of any matter at a hearing of a Staff Proctorial Board—
- (a) where the matter raises a point of law, shall be made by the Chairman of the Board; and
  - (b) in any other case, shall be made by the agreement of at least 2 members of the Board.
26. The Registrar shall designate any person to present evidence in relation to an allegation of misconduct at a hearing of the allegation and that person shall attend the hearing, may question any witness giving evidence at the hearing, may present witnesses and

other evidence and may address the Committee of Investigation or the Staff Proctorial Board on any issue.

27. Any staff member against whom an allegation of misconduct has been made—

- (a) shall be informed of the allegation and of all relevant particulars relating to the allegation;
- (b) shall, subject to section 28(2)(b), have the right to be present at any hearing in which any evidence or submission is given or made in relation to the allegation;
- (c) shall be afforded a reasonable opportunity of bringing to the knowledge of the Committee of Investigation or the Staff Proctorial Board any factual material relevant to the allegation and of bringing before the Committee of Investigation or the Staff Proctorial Board any person who can provide that material;
- (d) shall be afforded a reasonable opportunity of questioning either in person or by a representative any person who has furnished information at the hearing of the allegation;
- (e) shall be entitled to inspect any documentary or other physical evidence placed before the Committee of Investigation or Staff Proctorial Board;
- (f) shall be entitled to address the Committee of Investigation or Staff Proctorial Board on any issue relating to the allegation whether in relation to the allegation or the penalty which may be recommended; and
- (g) shall be entitled to be represented at the hearing of the allegation or to be accompanied at the hearing by a friend.

28. (1) All persons appearing before or present at a hearing of an allegation of misconduct against a staff member shall conduct themselves in a proper manner.

(2) Where a person fails to comply with subsection (1)—

(a) the Committee of Investigation or the Staff Proctorial Board shall inform the Vice-Chancellor of the failure; and

(b) the Committee of Investigation or the Staff Proctorial Board may require the person to leave the hearing.

(3) Where a person who is required under subsection (2)(b) to leave a hearing is the staff member who is the subject of the hearing, the hearing may only continue in the absence of the staff member if the staff member was required to leave the hearing by reason of conduct which was so improper as to unreasonably disrupt the hearing.

29. A Committee of Investigation or Staff Proctorial Board, after hearing an allegation of misconduct against a staff member, shall report its findings to the Senate and, if the circumstances warrant disciplinary action according to these By-laws, may recommend it to the Senate, which may accept the recommendation or vary or reject it, but not so as to increase the severity of the action proposed.

30. Nothing in this Chapter shall prevent an academic staff member from resigning his or her post at any stage of proceedings affecting the staff member, in which case, subject to section 31, the University shall cease all of its proceedings against the resigning staff member and the resignation shall have immediate effect or as may be agreed to by the Vice-Chancellor.

31. Nothing in this Chapter shall exempt or be construed to exempt the Vice-Chancellor or any other officer or member of the University from the duties and obligations imposed by the law respecting crimes.

## **RESOLUTIONS OF THE SENATE DISCIPLINARY HEARINGS**

All disciplinary hearings in the University under the By-laws shall be limited to those persons who in accordance with the By-laws are required or entitled to be present.

## **INDEMNITY TO PERSONS REQUIRED TO PARTICIPATE IN STAFF PROCTORIAL BOARD PROCEEDINGS**

Whereas certain persons may in the future be asked by the University to take part in proceedings pursuant to Chapter XXXVI of the By-laws of the University.

And whereas the University wishes to indemnify such persons against any costs or damages incurred by them as a result of properly carrying out their duties pursuant to the said By-laws.

The University will so indemnify any such person provided that the person complies to the full satisfaction of the University with every request by the University in relation to the conduct of his defence.

## **RESOLUTIONS OF THE ACADEMIC BOARD ELECTION OF STAFF AND STUDENT PROCTORIAL PANELS**

Pursuant to section 13 of Chapter XXXVI of the By-laws and section 15 of Chapter XXXVII, the Academic Board has adopted the following Resolutions relating to the election of 6 full-time members of the academic staff who shall be members of the Proctorial Panels as prescribed in both Chapters and of the 6 student members of the Proctorial Panel as prescribed in Chapter XXXVII. The two panels shall have a common staff membership.

1. (1) Notice of election to be held in March each year shall be given on the agenda for the regular meeting of the Board in February.

(2) This notice shall list the names of those student members of the Board who are eligible for election to the Student Proctorial Panel by virtue of having been enrolled in the University for at least 6 terms.

(3) This notice shall also state that members of the Board desirous of standing for election should give their name to the Dean of their Faculty in the case of academic staff and to the Registrar in the case of students.

2. (1) The Dean of each Faculty shall put forward to the meeting of the Standing Committee prior to the March meeting of the Board the names of one professor and one non-professorial member of the Board who are members of that Faculty and who would be willing to serve as members of both of the Proctorial Panels.

(2) The Standing Committee shall then propose to the Board for election 6 members of the academic staff (of whom at least 2 shall be professors and at least 2 shall not be professors) who are members of the Board.

(3) The Board shall then either appoint the persons as proposed or add further names, in which case an election shall be held at the Board meeting.

3. (1) The Chairman shall convene a meeting of the student members of the Board to be held prior to the March meeting.

(2) The names of any student members who have indicated their willingness to stand for election shall be communicated to this meeting and any further nominations may be accepted at this meeting.

(3) An election shall then be held for 6 student members of the Student Proctorial Panel.

XXXVI: DISCIPLINE OF  
ACADEMIC STAFF:  
BY-LAWS  
SENATE RESOLUTIONS  
ACADEMIC BOARD  
RESOLUTIONS

# Discipline of students

## BY-LAWS CHAPTER XXXVII

### PRELIMINARY

#### 1. In this Chapter—

‘Appeals Committee’ means the Student Disciplinary Appeals Committee constituted in accordance with section 33(1);

‘misconduct’ includes—

(a) conduct on the part of a student which is prejudicial to the good order and government of the University or impairs the reasonable freedom of other persons to pursue their studies or research in the University or to participate in the life of the University; and

(b) refusal by a student to give satisfactory particulars of the student’s identity in response to a direction to do so by a prescribed officer and any other form of wilful disobedience to a reasonable direction of a prescribed officer;

‘prescribed officer’ means a member of the staff of the University so designated by a resolution of the Senate;

‘Proctor’ means a person appointed as Proctor by the Senate on the nomination of the Vice-Chancellor;

‘student’ means a person enrolled as a student of the University or registered as a student in a course conducted within or by the University, but does not include any full-time member of the staff of the University;

‘Student Proctorial Board’ means a Board constituted in accordance with section 18(1);

‘University grounds’ includes all land, buildings and other property owned, leased or otherwise used by the University.

2. A prescribed officer shall, before giving a direction to a student, state to the student the officer’s name and official position or rank.

3. A document or notice which is required to be given to any person under this Chapter may be—

(a) delivered to or left for the person at the address of the person as last known to the Registrar; or

(b) posted by prepaid registered mail to the person at the address of the person as last known to the Registrar,

and shall be deemed to have been given to the person when it has been so delivered or left or at the expiration of 2 days after it has been so posted.

4. Where, in the opinion of the Vice-Chancellor, the Vice-Chancellor is required to exercise any power or discretion or perform any duty in relation to any matter in which the Vice-Chancellor has been, is or may be personally involved, the Vice-Chancellor may appoint a Deputy Vice-Chancellor to exercise those powers or discretions and to perform those duties and the Deputy Vice-Chancellor shall have the power and authority to so act.

### SUSPENSION OF STUDENTS

5. Where, in the opinion of the Vice-Chancellor, a Deputy Vice-Chancellor or a Deputy Principal, the behaviour of a student amounts to misconduct or there is an imminent threat of misconduct by a student, that officer may, for the purpose of halting or preventing misconduct, suspend the student from entering the University grounds or any part thereof for a period not exceeding 1 week.

6. (1) Where, in the opinion of a member of the academic staff, the behaviour of a student in the member’s class or during other work supervised by the member amounts to misconduct or there is an imminent threat of misconduct by a student in the member’s class or during other work supervised by the member, the member may, for the purpose of halting or preventing misconduct, suspend the student from attending the member’s classes or other supervised work for a period not exceeding 1 week.

(2) A member of the academic staff who has imposed a period of suspension under subsection (1) exceeding 24 hours shall forthwith report the suspension and circumstances of the suspension to the Registrar and, unless the suspension was imposed by the Head of a Department or School, to the Head of the member’s Department or School.

7. (1) Where, in the opinion of the University Librarian or a member of the Library staff nominated by the University Librarian for the purpose of this subsection, the behaviour of a student in a library of the University or in relation to any property of the Library amounts to misconduct or there is an imminent threat of misconduct by a student in a library of the University or in relation to any property of the Library, the University Librarian or nominated member of the Library staff may, for the purpose of halting or preventing misconduct, suspend the student from the use of or entry to all or any of the libraries of the University for a period not exceeding 1 week.

(2) The University Librarian or a nominated member of the Library Staff who has imposed a period of suspension under subsection (1) exceeding 24 hours shall forthwith report the suspension and circumstances of the suspension to the Registrar and, unless the suspension was imposed by the University Librarian, to the University Librarian.

8. (1) Where, in the opinion of the Registrar, a member of the Registrar’s staff nominated by the Registrar for the purpose of this section or a member of the academic staff, the behaviour of a student in, or in respect of, an examination or other test amounts to misconduct or there is an imminent threat of misconduct by a student in, or in respect of, an examination or other test, the Registrar, the nominated member of the Registrar’s staff or the member of the academic staff may, for the purpose of halting or preventing misconduct, suspend the student from sitting for the examination or test.

(2) A person who has imposed a suspension under subsection (1) shall forthwith report the suspension and circumstances of the suspension—

- (a) unless the suspension was imposed by the Head of the Department or School within which the examination or test was held, to the Head of that Department or School; and
- (b) unless the suspension was imposed by the Registrar, to the Registrar.

9. A suspension imposed under section 5, 6(1), 7(1) or 8(1) in respect of conduct alleged to be misconduct shall not prevent any subsequent action against the student in respect of the conduct.

10. The Vice-Chancellor may suspend a student, or extend a suspension of a student, from entering the University grounds or any part thereof for the purpose of halting or preventing misconduct by the student pending an inquiry into, or disciplinary proceedings in respect of, alleged misconduct by the student but no such suspension shall be imposed, extended or continued unless, in the opinion of the Vice-Chancellor, it is reasonably necessary to do so.

11. Where, in respect of certain conduct, a student is suspended under section 1, 8(1) or 10 or is suspended under section 6(1) or 7(1) for a period exceeding 24 hours and—

- (a) no subsequent proceedings in respect of the conduct are taken against the student within a reasonable time after the suspension; or
- (b) the student is, in relation to the conduct, found by a Student Proctorial Board or the Vice-Chancellor or on appeal to be not guilty of misconduct,

reasonable allowance shall be made by the University for any academic disadvantage incurred by the student as a result of the suspension.

## COMPLAINTS, INVESTIGATIONS AND SUMMARY PROCEEDINGS

12. (1) Any member of the University staff or student may, by written complaint, inform the Registrar of any conduct by a student which the member or student considers to be misconduct.

(2) The Registrar—

- (a) shall, upon receipt of a complaint referred to in subsection (1), make a recommendation to the Vice-Chancellor as to whether, in the Registrar's opinion, the conduct which is the subject of the complaint warrants investigation; and
- (b) may, without having received any such complaint, make a recommendation to the Vice-Chancellor that conduct by a student which the Registrar alleges to be misconduct warrants investigation.

13. (1) Upon receipt of a recommendation referred to in section 12(2) in respect of conduct by a student, the Vice-Chancellor may, whether or not the Registrar has recommended an investigation of the conduct, determine that no investigation shall be made or direct the Registrar or the Proctor to cause a full investigation of the conduct to be made.

(2) In making the investigation referred to in subsection (1), the Registrar or Proctor shall have power to require any member of the University staff or any student to appear before the Registrar or Proctor with a view to assisting the investigation, but no person appearing shall be obliged to answer any question.

(3) Upon completion of an investigation in relation to an allegation of misconduct by a student, the Registrar or Proctor shall make a recommendation to the Vice-Chancellor—

- (a) that no further action should be taken;
- (b) that the student be given a notice referred to in section 14(2); or
- (c) that the allegation of misconduct be heard and determined by the Vice-Chancellor or a Student Proctorial Board.

14. (1) Upon receipt of a recommendation referred to in section 13(3) in relation to action to be taken in respect of an allegation of misconduct by a student, the Vice-Chancellor may, whether or not it is in accordance with the recommendation—

- (a) decide that no further action should be taken;
- (b) cause the student to be given a notice referred to in subsection (2); or
- (c) refer the allegation of misconduct to the Chairman of the Student Proctorial Panel or, unless the Registrar or Proctor recommended that no action should be taken with respect to the allegation, hear and determine the allegation in person.

(2) A notice given under subsection (1)(b) shall inform the student to whom it is addressed of the allegation of misconduct made against that student and that—

- (a) if, within the period of 14 days immediately following the date upon which the notice was given, the student notifies the Vice-Chancellor that the allegation of misconduct specified in the notice is denied — the allegation of misconduct will be formally heard and determined; and

(b) if, within the period of 14 days immediately following the date upon which the notice was given, the student does not notify the Vice-Chancellor that the allegation of misconduct is denied — the Vice-Chancellor shall, at the expiration of that period, impose on the student a specified penalty unless—

- (i) the student has given to the Vice-Chancellor an explanation concerning the alleged misconduct which the Vice-Chancellor considers adequate, in which case no penalty shall be imposed on the student; or
- (ii) the student has satisfied the Vice-Chancellor that, for any reason, a lesser or different penalty from that specified should be imposed, in which case the Vice-Chancellor shall impose the lesser or different penalty on the student.

(3) If a student to whom a notice is given under subsection (1)(b) does not, within the period of 14 days immediately following the date upon which the notice was given, notify the Vice-Chancellor that the allegation of misconduct specified in the notice is denied, the Vice-Chancellor shall, at the expiration of that period, impose on the student the penalty in the notice unless—

- (a) the student has given to the Vice-Chancellor an explanation concerning the alleged misconduct which the Vice-Chancellor considers adequate, in which case no penalty shall be imposed on the student in relation to the alleged misconduct; or
- (b) the student has satisfied the Vice-Chancellor that, for any reason, a lesser or different penalty from that specified should be imposed, in which case the Vice-Chancellor shall impose

that lesser or different penalty on the student, and shall lay a report of any penalty so imposed upon the table of the Senate and of the Academic Board.

(4) Section 31(4) applies to a report referred to in subsection (3) in the same way as it applies to a report referred to in section 31(3).

(5) If a student to whom a notice is given under subsection (1)(b) denies in accordance with subsection (2)(a) the allegation of misconduct specified in the notice, the Vice-Chancellor shall refer the allegation to the Chairman of the Student Proctorial Panel or, unless the Registrar or Proctor recommended that no action should be taken with respect to the allegation, hear and determine the allegation in person.

#### THE STUDENT PROCTORIAL PANEL

15. (1) There shall be a Student Proctorial Panel consisting of—

- (a) the Chairman of the Academic Board;
- (b) 6 full-time members of the academic staff (of whom at least 2 shall be professors and at least 2 shall not be professors) elected by and from the members of the Academic Board who are members of the full-time academic staff; and
- (c) 6 students who have been enrolled in the University for at least 6 terms elected by and from the student members of the Academic Board.

(2) The members of the Student Proctorial Panel, referred to in subsection (1)(b) and (c), shall be elected at a meeting of the Academic Board held in March each year or within such further time as the Senate may allow.

(3) Where the office of any member of the Student Proctorial Panel referred to in subsection (1)(b) or (c)—

- (a) falls vacant, whether by resignation, death, retirement, absence on leave from the University or otherwise; or
- (b) is not filled at the election held at the meeting referred to in subsection (2),

that office may be filled by a person elected in accordance with the paragraph in subsection (1) which is applicable to that office.

(4) A member of the Student Proctorial Panel (other than the member referred to in subsection (1)(a)) shall assume office from the date of election by the Academic Board and shall, subject to subsection (5) and section 20, hold office until a successor is elected.

(5) The Senate may, at any time, extend the term of office of any member of the Student Proctorial Panel and the successor to that member shall not assume office until the expiration of that term as so extended.

(6) The member of the Student Proctorial Panel referred to in subsection (1)(a) shall be the Chairman of the Panel.

(7) In the case of the illness or absence of the Chairman of the Student Proctorial Panel, the Deputy Chairman of the Academic Board may act as deputy for the Chairman during the Chairman's illness or absence and, during the time the Deputy Chairman acts as deputy, the Deputy Chairman shall have all the powers and authority of the Chairman.

#### STUDENT PROCTORIAL BOARDS

16. The Chairman of the Student Proctorial Panel shall convene a meeting of the Student Proctorial

Panel as soon as practicable after the Vice-Chancellor has referred an allegation of misconduct against a student to the Chairman of the Student Proctorial Panel.

17. (1) At a meeting of the Student Proctorial Panel the Chairman of the Panel shall inform the Panel of the allegation of misconduct in respect of which the meeting was convened and the name of the student against whom the allegation is made and any member of the Student Proctorial Panel may, with the consent of the Chairman of the Student Proctorial Panel, be disqualified at the member's own request from membership of a Student Proctorial Board to be constituted to hear an allegation against a student on the ground that the member may appear to be biased in relation to any matter concerning the allegation.

(2) When all disqualifications from membership of a Student Proctorial Board to be constituted to hear an allegation of misconduct have been made under subsection (1), each of the remaining members of the Student Proctorial Panel shall disclose to the Student Proctorial Panel—

- (a) whether the member has been or is involved in or associated with any matter concerning the allegation and, if the member has been or is so involved or associated, the nature or extent of the involvement or association; and
- (b) whether the member has or has had any attitude towards or association with any person known to be involved in or associated with any matter concerning the allegation.

(3) If, in the opinion of the Chairman of the Student Proctorial Panel, a disclosure made by a member of the Student Proctorial Panel under subsection (2) gives rise to a reasonable apprehension that the member would be biased in deciding any matter concerning an allegation of misconduct against a student, the Chairman may disqualify that member from membership of the Student Proctorial Board to be constituted to hear the allegation.

(4) Where the Chairman of the Student Proctorial Panel seeks to be disqualified under subsection (1) or where the Chairman makes a disclosure under subsection (2), the senior member of the Student Proctorial Panel referred to in section 15 (1)(b) who has not been disqualified shall have the power to consent to the Chairman being disqualified under subsection (1) or to disqualify the Chairman under subsection (3).

18. (1) A Student Proctorial Board shall consist of 3 persons of whom—

- (a) 1 shall be a member of the Student Proctorial Panel elected by the Student Proctorial Panel, being an academic staff member who is not disqualified from membership of that Board;
- (b) 1 shall be a member of the Student Proctorial Panel elected by the Student Proctorial Panel, being a student member who is not disqualified from membership of that Board; and
- (c) 1 shall be a person appointed by the Senate under section 19(1).

(2) The member of a Student Proctorial Board referred to in subsection (1)(c) shall be Chairman of the Student Proctorial Board.

(3) If the Chairman of the Student Proctorial Panel considers it to be desirable, 2 Student Proctorial Boards may be constituted and may hear



different allegations of misconduct simultaneously.

19. (1) The Senate shall appoint 1 or more Chairmen of Student Proctorial Boards annually, or at such other times as appears to it desirable, from among persons who are barristers or solicitors of the Supreme Court of New South Wales of more than 5 years' standing, or who hold or have held office as Judge or Stipendiary Magistrate in any court in Australia, whether State or Federal.

(2) Where the Senate has appointed more than 1 person to be a Chairman of Student Proctorial Boards, the Chairman of the Student Proctorial Panel shall determine which Chairman shall be Chairman of any particular Board.

20. Where the term of office of a member of the Student Proctorial Panel expires while the member is a member of a Student Proctorial Board constituted to hear an allegation of misconduct, the member shall continue to be a member of the Student Proctorial Board until the hearing of the allegation is completed.

21. (1) If a member of the Student Proctorial Panel dies or otherwise ceases to be a member of the Student Proctorial Panel while a member of a Student Proctorial Board constituted to hear an allegation of misconduct or if a member of a Student Proctorial Board is, for any reason, unable to attend a meeting of the Student Proctorial Board, the remaining 2 members of that Board may, with the written approval of the Chairman of the Student Proctorial Panel but subject to section 22, continue the hearing of the allegation and make a determination in relation to the allegation.

(2) If, in the opinion of the Chairman of the Student Proctorial Panel, it is not possible for a hearing of an allegation of misconduct to be concluded within a reasonable time then a new Student Proctorial Board shall be constituted and the allegation heard by it *de novo*.

22. A Student Proctorial Board shall not hear any allegation of misconduct or make any decision in relation to such an allegation (other than a decision to adjourn a hearing) in the absence of the Chairman of the Board.

#### **HEARINGS BY THE VICE-CHANCELLOR OR A STUDENT PROCTORIAL BOARD**

23. An allegation of misconduct against a student shall be heard and determined—

- (a) if the Vice-Chancellor has decided to do so in person, as soon as practicable after the Vice-Chancellor so decides; or
- (b) if the Vice-Chancellor has referred the allegation to the Chairman of the Student Proctorial Panel for determination by a Student Proctorial Board, as soon as practicable after the Student Proctorial Board is constituted for that purpose.

24. In the hearing of an allegation of misconduct against a student, the Vice-Chancellor or a Student Proctorial Board—

- (a) shall ensure that the student and any witnesses have been correctly identified and that the allegations of misconduct against the student have been made known to the student;
- (b) shall have power to summon any member of the University staff or any student to appear to give evidence in relation to the allegation;
- (c) shall have power to obtain information as to the facts concerning the allegation in any way

the Vice-Chancellor or the Student Proctorial Board sees fit and may at any stage seek further information in any manner reasonably possible;

- (d) shall have full power to determine the procedure of the hearing;
- (e) shall, if satisfied that there is insufficient evidence to establish the allegation of misconduct, dismiss the allegation without calling on the student to answer it; and
- (f) shall, if satisfied that there is a case to answer with respect to the allegation, give the student an opportunity to answer the allegation.

25. (1) One or more different allegations of misconduct may be heard against one or more students at the same hearing.

(2) If at any time before a final determination has been made in relation to an allegation of misconduct against a student, a fresh allegation is made against the student, being an allegation which arises out of or relates to the same conduct which is the subject of the previous allegation, the Vice-Chancellor or, as the case may be, a Student Proctorial Board may hear the fresh allegation together with the allegation previously made against the student but the student shall be given an opportunity to prepare a response to that fresh allegation.

26. Where a student fails to appear at the time and place appointed by the Vice-Chancellor or a Student Proctorial Board, for the hearing of an allegation of misconduct against the student the Vice-Chancellor or, as the case may be, the Student Proctorial Board may, if satisfied that reasonable and proper steps have been taken to give to the student notice of the hearing—

- (a) proceed in the absence of the student; or
- (b) adjourn the hearing to a later date and cause the student to be given a notice stating that the hearing is so adjourned and informing the student that the hearing will proceed on the later date notwithstanding any further absence of the student.

27. (1) A person to whom a question is put at a hearing may object to the question and the Vice-Chancellor or, subject to subsection (2), the Student Proctorial Board shall decide whether the objection should be upheld.

(2) A decision in respect of any matter at a hearing of a Student Proctorial Board—

- (a) where the matter raises a point of law, shall be made by the Chairman of the Board; and
- (b) in any other case, shall be made by the agreement of at least 2 members of the Board.

28. The Registrar shall designate the Proctor or any other person to present evidence in relation to an allegation of misconduct at a hearing of the allegation and the Proctor or other person shall attend the hearing, may question any witness giving evidence at the hearing, may present witnesses and other evidence and may address the Vice-Chancellor or the Student Proctorial Board on any issue.

29. Any student against whom an allegation of misconduct has been made, being an allegation which the Vice-Chancellor has referred to the Chairman of the Student Proctorial Panel or decided to hear and determine in person—

- (a) shall be informed of the allegation and of all relevant particulars relating to the allegation;
- (b) shall, subject to section 30(2)(c), have the right to be present at any hearing in which any

- evidence or submission is given or made in relation to the allegation;
- (c) shall be afforded a reasonable opportunity of bringing to the knowledge of the Vice-Chancellor or the Student Proctorial Board any factual material relevant to the allegation and of bringing before the Vice-Chancellor or Student Proctorial Board any person who can provide that material;
  - (d) shall be afforded a reasonable opportunity of questioning either in person or by a representative any person who has furnished information at the hearing of the allegation;
  - (e) shall be entitled to inspect any documentary or other physical evidence placed before the Vice-Chancellor or Student Proctorial Board;
  - (f) shall be entitled to address the Vice-Chancellor or Student Proctorial Board on any issue relating to the allegation whether in relation to the allegation or the penalty which may be imposed; and
  - (g) shall be entitled to be represented at the hearing of the allegation or to be accompanied at the hearing by a friend.
30. (1) All persons appearing before or present at a hearing of an allegation of misconduct against a student shall conduct themselves in a proper manner.
- (2) Where a person fails to comply with subsection (1)—
- (a) at a hearing by a Student Proctorial Board, the Student Proctorial Board shall, if the person is a member of staff of the University, inform the Vice-Chancellor of the failure;
  - (b) at a hearing by the Vice-Chancellor or a Student Proctorial Board, the Vice-Chancellor or, as the case may be, the Student Proctorial Board shall, if the person is a student, inform the person that disciplinary action may be taken in respect of the person's behaviour; and
  - (c) at a hearing by the Vice-Chancellor or a Student Proctorial Board, the Vice-Chancellor or, as the case may be, the Student Proctorial Board may require the person to leave the hearing.
- (3) Where a person who is required under subsection (2)(c) to leave a hearing is the student who is the subject of the hearing, the hearing may only continue in the absence of the student if the student was required to leave the hearing by reason of conduct which was so improper as to unreasonably disrupt the hearing.
31. (1) The Vice-Chancellor or a Student Proctorial Board may, after hearing an allegation of misconduct against a student—
- (a) make a finding that the student is guilty of misconduct but impose no penalty; or
  - (b) impose 1 or more penalties on the student if satisfied that the student is guilty of misconduct.
- (2) The Vice-Chancellor or a Student Proctorial Board may, instead of or in addition to a penalty imposed under subsection (1)—
- (a) where a student is found to have damaged or destroyed any property of the University, order the student to pay to the Registrar such amount as may be determined by the Vice-Chancellor or Student Proctorial Board as compensation for the damage or destruction of the property;
  - (b) where a student is found to have taken or removed any property of the University—
    - (i) order the student to return the property to the University; or
    - (ii) order the student to pay to the Registrar such amount as may be determined by the Vice-Chancellor or Student Proctorial Board as compensation for the taking or removal of the property; or
    - (iii) make orders in respect of the property under sub-paragraphs (i) and (ii); or
  - (c) where a student is found to have taken or removed and damaged or destroyed any property of the University, make orders in respect of the property under paragraphs (a) and (b).
- (3) The Vice-Chancellor and any Student Proctorial Board shall, as soon as practicable after making a determination under subsection (1)(b) to impose a penalty on any student for misconduct or an order under subsection (2), lay a report of that determination or order upon the table of the Senate and of the Academic Board.
- (4) Unless the Senate otherwise determines, only 1 report referred to in subsection (3) shall be required to be tabled at a meeting of the Senate or the Academic Board but the Vice-Chancellor or the person who is presiding at the meeting of the Senate or the Academic Board at which the report is tabled shall state at the meeting the number of persons mentioned in the report, the nature of the misconduct alleged and the penalties imposed or order made.
- ### PENALTIES
32. (1) One or more of the following penalties may be imposed under this Chapter in respect of misconduct by a student:
- (a) expulsion from the University;
  - (b) suspension from admission to or from the use of University grounds or any part thereof, either permanently or for a specified period;
  - (c) suspension from a University course either permanently or for a specified period;
  - (d) a fine;
  - (e) a reprimand or a severe reprimand;
  - (f) a penalty in accordance with academic usage.
- (2) The Vice-Chancellor or a Student Proctorial Board, when imposing a penalty, may suspend the operation of that penalty on such terms as may be determined by the Vice-Chancellor or Student Proctorial Board.
- ### THE STUDENT DISCIPLINARY APPEALS COMMITTEE
33. (1) There shall be a Student Disciplinary Appeals Committee which shall consist of—
- (a) the Chancellor;
  - (b) the Deputy Chancellor; and
  - (c) 7 other Fellows (not including the Vice-Chancellor) elected at the first meeting of the Senate in each calendar year or as soon thereafter as is practicable.
- (2) The members of the Appeals Committee referred to in subsection (1)(c) shall hold office until their successors are appointed or until they cease to be Fellows.
- (3) Any casual vacancy in the office of a member of the Appeals Committee referred to in subsection (1)(c) shall be filled by the Senate as soon as practicable after the casual vacancy arises.

(4) A quorum for a meeting of the Appeals Committee shall be 5.

## APPEALS

34. (1) A student may, in accordance with subsection (2), appeal to the Senate against a determination being—

- (a) a finding by the Vice-Chancellor or a Student Proctorial Board that the student is guilty of misconduct;
- (b) the imposition of a penalty upon the student by the Vice-Chancellor under section 14(3) or by the Vice-Chancellor or a Student Proctorial Board under section 31(1)(b); or
- (c) an order made by the Vice-Chancellor or a Student Proctorial Board under section 31(2).

(2) An appeal by a student against a determination made by the Vice-Chancellor or a Student Proctorial Board—

- (a) shall be filed with the Registrar within the period of 14 days (or such longer period not exceeding 1 month as the Vice-Chancellor may allow) immediately following the date upon which the student was given notice of the determination;
- (b) shall be in writing giving full particulars of the grounds of appeal; and
- (c) may be made only on 1 or more of the following grounds:
  - (i) that the determination is unreasonable or cannot be supported, having regard to the evidence;
  - (ii) that the determination was made in breach of the rules of natural justice;
  - (iii) that particular evidence should not have been admitted or rejected;
  - (iv) that fresh relevant evidence has become available to the student, being evidence that was not available or not known to the student at the time of the hearing;
  - (v) that a provision of this Chapter was not complied with;
  - (vi) that the meaning or effect of any provision of this Chapter was misinterpreted;
  - (vii) that in any way whatever there was a miscarriage of justice;
  - (viii) that the penalty imposed on the student or order made against the student was excessive or inappropriate.

35. Upon receipt of an appeal the Senate shall determine whether to hear the appeal itself or whether to refer the appeal to the Appeals Committee.

36. A Fellow shall not participate in or be present at the hearing of an appeal by the Senate or the Appeals Committee against a determination made by a Student Proctorial Board of which the Fellow was a member or, if the Fellow is the Vice-Chancellor, against any determination.

37. (1) The Senate or the Appeals Committee shall, on the hearing of an appeal by a student—

- (a) allow the appeal if it is of the opinion that the determination of the Vice-Chancellor or Student Proctorial Board should be set aside on any of the grounds of appeal referred to in section 34(2)(c); or
- (b) dismiss the appeal if it is of the opinion that—
  - (i) the determination of the Vice-Chancellor or Student Proctorial Board should not be set aside on any of the

grounds of appeal referred to in section 34(2)(c); or

- (ii) notwithstanding that the determination may be set aside on any 1 or more of the grounds referred to in section 34(2)(c)(ii) to (vii) (both inclusive), no substantial miscarriage of justice has actually occurred.

(2) In allowing an appeal by a student, the Senate or the Appeals Committee may—

- (a) quash a determination made by the Vice-Chancellor or a Student Proctorial Board;
- (b) quash a determination made by the Vice-Chancellor or a Student Proctorial Board and direct that all or any of the allegations the subject of the appeal be reheard by—
  - (i) if the determination was made by the Vice-Chancellor — a Student Proctorial Board; or
  - (ii) if the determination was made by a Student Proctorial Board — another Student Proctorial Board;
- (c) where the appeal was made on the ground specified in section 34(2)(c)(viii), substitute a different penalty for the one imposed or a different order for the one made; or
- (d) where an appeal is made on the ground specified in section 34(2)(c)(iv), consider any fresh evidence offered by the student and determine the matter itself without directing a rehearing.

38. (1) In relation to the hearing of an appeal by a student, the student, any representative of the student and the Proctor or other person designated for that purpose by the Registrar may make written submissions or, with the consent of the Senate or Appeals Committee, may make oral submissions.

(2) The Senate or the Appeals Committee shall, except in the case of an appeal made on the ground specified in section 34(2)(c)(iv), determine an appeal on the basis of such official record of evidence as may have been taken at the hearing of the allegation in respect of which the determination was made.

(3) The provisions of sections 24, 26, 27(1), 28, 29 and 30 shall apply to and in respect of the hearing of an appeal by the Senate or the Appeals Committee in the same way as they apply to and in respect of the hearing of an allegation by the Vice-Chancellor or a Student Proctorial Board.

39. Where a student has filed an appeal in accordance with section 34(2) against a determination of the Vice-Chancellor or a Student Proctorial Board to impose a penalty for misconduct or against an order made by the Vice-Chancellor or a Student Proctorial Board under section 31(2), the penalty or order shall not be enforceable against the student until the appeal is withdrawn or the Senate or the Appeals Committee has determined the appeal.

40. The Senate may at any time, on the recommendation of the Vice-Chancellor, quash a determination made by the Vice-Chancellor, a Student Proctorial Board, the Appeals Committee or itself, whether or not an appeal has been made against that determination.

41. Subject to section 40, the determination of the Senate or the Appeals Committee on an appeal shall be final and conclusive.

*Transitional.*

42. Where, before the commencement of section 43—

- (a) a Proctorial Board had commenced a hearing but had not made a determination in respect of an allegation of misconduct against a student; or
- (b) the Senate or an Appeals Committee had commenced the hearing of an appeal by a student arising out of a decision of a Proctorial Board but had not made a determination in respect of the appeal,

a Student Proctorial Board constituted by the same members as the Proctorial Board, the Senate or the Appeals Committee, as the case may be, shall continue to hear and determine that allegation or appeal under this Chapter as if the initial proceedings had been commenced before or conducted by the Student Proctorial Board.

*Saving.*

43. A Proctorial Panel or Proctorial Board constituted in accordance with these By-laws before the commencement of this section, the members of which held office as members of the Panel or Board immediately before that commencement, shall, subject to this Chapter, be deemed to be duly constituted under this Chapter as a Student Proctorial Panel or Student Proctorial Board, as the case may be.

## **RESOLUTIONS OF THE SENATE**

### **DISCIPLINARY HEARINGS**

All disciplinary hearings in the University under the By-laws shall be limited to those persons who in accordance with the By-laws are required or entitled to be present.

### **INDEMNITY TO PERSONS REQUIRED TO PARTICIPATE IN STUDENT PROCTORIAL BOARD PROCEEDINGS**

Whereas certain persons may in the future be asked by the University to take part in proceedings pursuant to Chapter XXXVII of the By-laws of the University.

And whereas the University wishes to indemnify such persons against any costs or damages incurred by them as a result of properly carrying out their duties pursuant to the said By-laws.

The University will so indemnify any such person provided that the person complies to the full satisfaction of the University with every request by the University in relation to the conduct of his defence.

## **RESOLUTIONS OF THE ACADEMIC BOARD**

### **ELECTION OF STAFF AND STUDENT PROCTORIAL PANELS**

Pursuant to section 13 of Chapter XXXVI of the By-laws and section 15 of Chapter XXXVII, the Academic Board has adopted the following Resolutions relating to the election of 6 full-time members of the academic staff who shall be members of the Proctorial Panels as prescribed in both Chapters and of the 6 student members of the Proctorial Panel as prescribed in Chapter XXXVII. The two panels shall have a common staff membership.

1. (1) Notice of election to be held in March each year shall be given on the agenda for the regular meeting of the Board in February.  
(2) This notice shall list the names of those student members of the Board who are eligible for election to the Student Proctorial Panel by virtue of having been enrolled in the University for at least 6 terms.  
(3) This notice shall also state that members of the Board desirous of standing for election should

give their name to the Dean of their Faculty in the case of academic staff and to the Registrar in the case of students.

2. (1) The Dean of each Faculty shall put forward to the meeting of the Standing Committee prior to the March meeting of the Board the names of one professor and one non-professorial member of the Board who are members of that Faculty and who would be willing to serve as members of both of the Proctorial Panels.  
(2) The Standing Committee shall then propose to the Board for election 6 members of the academic staff (of whom at least 2 shall be professors and at least 2 shall not be professors) who are members of the Board.  
(3) The Board shall then either appoint the persons as proposed or add further names, in which case an election shall be held at the Board meeting.
3. (1) The Chairman shall convene a meeting of the student members of the Board to be held prior to the March meeting.  
(2) The names of any student members who have indicated their willingness to stand for election shall be communicated to this meeting and any further nominations may be accepted at this meeting.  
(3) An election shall then be held for 6 student members of the Student Proctorial Panel.

# Honorary and visiting appointments

## RESOLUTIONS OF THE SENATE

### HONORARY AND VISITING APPOINTMENTS

The Senate has adopted the following guidelines and procedures for honorary and visiting appointments:

1. That there be five types of honorary and visiting appointments as follows:

- (a) Visiting Professor
- (b) Professorial Fellow
- (c) Honorary Associate
- (d) Research Affiliate
- (e) Visiting Scholar

Guidelines and procedures for these appointments are set out following section 4 below.

2. That the names of persons in all five categories should, where possible, be listed under their departments in the University Calendar although they may not necessarily be members of Departments, Faculties or Boards. No person appointed to any of these positions shall become *ipso facto* a member of any Department, School, Faculty or Board because of such appointment.

3. That all persons upon whom one of these honorary titles has been conferred should be covered by insurance for any accident which occurs while they are in the University of Sydney.

4. That the privileges to be allowed to a person upon whom one of these honorary titles has been conferred should be determined by the Vice-Chancellor on the advice of the Head of the Department and of the Professor most concerned and may include the use of space, access to laboratories and research facilities, participation in departmental activities generally and the right, in appropriate circumstances, to apply through the Head of Department to research funding bodies.

#### Visiting Professor

The title of Visiting Professor may be conferred by the Senate on a Professor from another University or a person of equivalent status who is either:

- (i) visiting a department of the University of Sydney or
- (ii) filling a Chair in the University made temporarily available and being paid out of funds allocated for the Chair.

In either case the Visiting Professor would be expected to make a substantial contribution to the teaching and/or research work of the University of Sydney.

#### Procedures

1. A recommendation for appointment as a Visiting Professor should be made by the Head of Department, acting on the advice of the Professor most concerned, to the Vice-Chancellor, giving a full *curriculum vitae*, the nature of the duties to be performed and the source of funding, if applicable.

2. If the Vice-Chancellor considers there is a *prima facie* case and the appointment is for a period not exceeding twelve months, he will recommend to Senate that the title be conferred.

3. If the Vice-Chancellor considers there is a *prima facie* case and the appointment is for more than twelve months, he will refer it to an appropriate committee of the Academic Board.

4. A recommendation for appointment will be considered by the Academic Board and, if recommended, transmitted to Senate for approval.

#### Professorial Fellow

The title of Professorial Fellow may be conferred by the Senate on a person with a professional status equivalent to the rank of professor and who, without receiving an emolument from this university, makes a substantial contribution normally on a continuing basis to the teaching and/or research work of the University.

#### Procedures

1. A recommendation for appointment as a Professorial Fellow should be made by the Head of Department, acting on the advice of the Professor most concerned, to the Vice-Chancellor, giving a full *curriculum vitae*, an assessment of the person's standing in the profession and the nature of the contribution the person will make to the Department.

2. If the Vice-Chancellor considers there is a *prima facie* case, he will ask the Academic Board to appoint a committee to consider the recommendation.

3. The committee, usually totalling ten persons, is to be constituted as follows:

- (a) *Ex-officio members*: The Vice-Chancellor and Principal, the Deputy Vice-Chancellor concerned with academic matters, the Chairman of the Academic Board and the Dean of the Faculty concerned.
- (b) Persons nominated by the Vice-Chancellor.
- (c) Persons nominated by the Dean of the Faculty. These will include at least one from outside the University who is a senior member of a related discipline or of a relevant profession.

4. A recommendation for appointment will be considered by the Academic Board and, if recommended, transmitted to Senate for approval.

5. An appointment shall terminate on 31 December of the year for which the person is appointed but may be renewed by the Vice-Chancellor on the recommendation of the Head of Department, acting on the advice of the Professor most concerned. Any recommendation for re-appointment should certify that the level of contribution to the Department will be maintained.

#### Honorary Associate

1. The title of Honorary Associate may be conferred by the Senate on persons distinguished for their knowledge or skill and generally of status equivalent to the rank of a Reader and who undertake a substantial contribution to the teaching and/or research work of the University of Sydney. If it is necessary or desirable, a former member of staff of Senior Lecturer or oc-

XXXVII: DISCIPLINE OF  
STUDENTS:  
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casionaly, Lecturer status may be appointed to exercise supervision of a higher degree candidate.

2. The duties of an Honorary Associate may include:

- (a) acting within the University of Sydney as Associate Supervisor of candidates for higher degrees except in situations where such supervision may, in accordance with the by-laws and resolutions relating to the degree concerned, be carried out away from the University (for example, in relation to certain PhD candidatures)
- (b) lecturing and associated examining (this could be a short course of lectures for which the Lecturer would be unpaid)
- (c) research (this would normally involve frequent and regular attendance at the University throughout the year)
- (d) other substantial contribution.

A combination of (b) and (c) is also a possible qualification if sufficient detail of the programme for the year can be provided.

3. Duties of Honorary Associates may not include:

- (a) administrative work
- (b) organisation of courses.

4. A person could qualify for appointment as an Honorary Associate under 2(a), (c), or (d) and still be paid for part-time lecturing or be involved in organisation of courses and administration, independent of the Honorary Associate appointment.

#### *Procedures*

1. A recommendation for appointment as an Honorary Associate should be made by the Head of Department, acting on the advice of the Professor most concerned, on the appropriate form, giving a full *curriculum vitae* and the specific duties to be carried out.

2. The Chairman of the Academic Board will review the recommendation and if the Chairman considers it is appropriate it will be forwarded to the Academic Board for consideration and for transmission to Senate for approval.

3. If the Chairman has any doubts about the recommendation, it will be referred to the permanent committee of the Academic Board which reviews the appointment and re-appointment of Honorary Associates. This committee consists of the Chairman of the Academic Board, the Deputy Chairman of the Academic Board and the Deans of the Faculties of Arts, Science and Engineering.

4. An appointment shall terminate on 31 December of the year for which a person is appointed but may be renewed. A recommendation for re-appointment should be made by the Head of Department, acting on the advice of the Professor most concerned, on the appropriate form and the Head of Department should state the specific duties to be performed and certify that the contribution to the Department is being maintained.

5. Recommendations for appointment may be made at any time but the committee will consider the full list of appointments and re-appointments for the following year and will report its recommendations to the October meeting of the Academic Board for transmission to Senate. The Academic Board may reject a recommendation on the grounds of insufficient qualifications or professional standing or insufficient duties.

6. The Vice-Chancellor shall be informed if there is any change in the duties performed by the Honorary Associate during the year and if the duties are considered insufficient, he may recommend to Senate that the appointment be terminated.

#### **Research Affiliate**

The title of Research Affiliate may be conferred by the Vice-Chancellor on a person who is associated with the University of Sydney for a short or long period and is not normally receiving any payment from this university or on a former member of staff who continues to have a research association with a department.

#### *Procedures*

1. A recommendation for appointment as a Research Affiliate should be made by the Head of Department acting on the advice of the Professor most concerned to the Vice-Chancellor, giving a full *curriculum vitae* and the nature of the research association with the department.

2. The Vice-Chancellor or a Deputy Vice-Chancellor will consider the recommendation and, if in his opinion it is appropriate the Vice-Chancellor will confer the title of Research Affiliate and his action will be reported to Senate for ratification.

3. An appointment shall terminate on 31 December of the year for which a person is appointed, but may be renewed by the Vice-Chancellor or a Deputy Vice-Chancellor provided the Head of Department certifies that the research association will be maintained. The Vice-Chancellor will report all re-appointments to Senate.

#### **Visiting Scholar**

1. The title of Visiting Scholar may be conferred by the Vice-Chancellor on a visitor who wishes to be attached to a Department without necessarily making a major contribution to the research or teaching programmes.

2. The title should not be used when the Scholar is of professional status and his contribution to the Department is such that he could be appointed a Visiting Professor.

## **RESOLUTIONS OF THE ACADEMIC BOARD**

### **APPOINTMENT OF HONORARY ASSOCIATES**

The Board adopted the following principles in connection with the appointment of Honorary Associates in 1975.

1. That the Board issue a clear statement that only 'persons distinguished for their knowledge and skill' should be recommended for appointment as Honorary Associates.

That those persons appointed from outside the University as Honorary Associates should have a professional status or a professional reputation equivalent to that required for appointment to a Readership.

That if it is necessary or desirable, there is no reason for abandoning the practice of appointing persons of Senior Lecturer, or occasionally, Lecturer status, who have left the services of the University, so that they may exercise part-time supervision of a higher degree candidate.

2. That in respect of all new appointments, it has become apparent that Heads of Departments are providing the minimum information on the academic duties they wish to arrange for Honorary Associates. Heads of Departments should therefore be reminded of the Senate Resolutions which state that 'These duties may include lecturing, research, examining and acting as associate supervisor of studies for higher degrees.'

That Heads of Departments should be reminded that the duties of Honorary Associates 'shall not include any administrative work or the organisation of courses of study.'

3. That there seems to be reason to doubt whether fullest regard has been given by Heads of Departments in recent years as to the appropriateness of many re-appointments of Honorary Associates. The Board should therefore require in future not only the name of the person for re-appointment, but also some certification that the duties are needed or desired and some indication of the duties for the year in question.
4. That the Academic Board have a permanent Committee which will review doubtful cases and that this Committee consist of the Chairman, the Deputy Chairman and the Deans of the Faculties of Arts, Science and Engineering.

That this Committee should meet at least once a year — preferably in October—to look at the full list of appointments and re-appointments of Honorary Associates and to make recommendations of a positive or negative nature and to report these cases to the Board for acceptance or rejection.

5. That Heads of Departments be asked to supply the qualifications, professional appointment and proposed duties for all recommended appointees and re-appointees for 1975, and that a review be made early in 1975.

On 17 February 1975, the Board agreed that, in future, requests for appointment and re-appointment of Honorary Associates should supply the name and status of the person recommended and the specific grounds for appointment as an Honorary Associate. If this involves supervision of postgraduate students, the name of each student and information about the degree for which he or she is a candidate should be supplied.

# University of Sydney Library

HONORARY AND  
VISITING  
APPOINTMENTS:  
SENATE RESOLUTIONS  
ACADEMIC BOARD  
RESOLUTIONS  
UNIVERSITY OF  
SYDNEY LIBRARY:  
SENATE RESOLUTIONS

## RESOLUTIONS OF THE SENATE

### LIBRARY COMMITTEE<sup>1</sup>

1. There shall be a Library Committee being a Committee of the Academic Board and consisting of the Vice-Chancellor, the Deputy Vice-Chancellor, either the Chairman or a Deputy Chairman of the Academic Board nominated by the Chairman, the Registrar, the University Librarian, the Associate Librarians, other members of the permanent full-time teaching staff of the University, appointed by the Academic Board, three student members appointed by the Academic Board and other members co-opted by the Committee on a short-term or a long-term basis.

2. The number and method of appointment of the members of the Committee appointed by the Academic Board including the person who shall be Chairman of the Committee, shall be determined by the Academic Board, provided that the staff members appointed by the Board shall include at least one from each Faculty.

3. At a meeting of the Committee, eight members shall form a quorum.

4. (1) The Committee shall consider and report on—

- (a) general Library policy including the regulations concerning the use of the Library;
- (b) all matters referred to it by the Senate, the Academic Board, the Vice-Chancellor, the Chairman of the Library Committee and the University Librarian.

(2) (a) The Committee shall advise the Vice-Chancellor on the financial needs of the Library.

(b) The Committee shall advise the University Librarian on the use of such funds as are from time to time allocated for expenditure to the University Librarian.

(c) The University Librarian shall consult the Committee on the use of such funds as are from time to time allocated for expenditure on the Library.

5. The Committee shall report its proceedings to the Academic Board and shall also present an annual report for transmission to the Senate.

<sup>1</sup> See also Academic Board resolutions this section.

## USE OF THE UNIVERSITY OF SYDNEY LIBRARY

1. These resolutions and the regulations made pursuant to them apply to the use both of the Fisher Library and the Branch libraries, which together constitute the University of Sydney Library. The use of Departmental libraries which house University of Sydney Library material, but for which the University Librarian does not provide staff, is the responsibility of the respective Heads of Departments, in consultation, where appropriate, with the University Librarian.

2. The University Librarian may, in respect of the University of Sydney Library, make regulations on the following matters:

- (a) The conduct of readers in the libraries;
- (b) the conditions on which books and other items may be used in the libraries;
- (c) the categories of books or other items that may be borrowed;
- (d) the conditions on which books or other items may be borrowed;
- (e) the procedures to be followed when borrowing or returning a book or other item;
- (f) all other matters associated with the use of the University of Sydney Library in accordance with these resolutions.

3. The University Library is provided primarily for the use of members of the University. Other persons may use the Library subject to approval by the Senate in the case of particular categories of person, or by the University Librarian in the case of individuals. Persons granted the privilege of use under this Resolution

may be called upon at any time by the University Librarian or by officers of the Library staff to show good cause for this use.

4. The categories of persons who are eligible to borrow books and other items from the Library are set out in the Second Schedule.

5. The University Librarian may impose fines or other penalties as set out in the Third Schedule on any person who fails to observe these resolutions or the regulations made pursuant to these resolutions.

## FIRST SCHEDULE

### Conduct of readers in the library

1. Every authorised user of the Library has a right to pursue his work without unnecessary disturbance or distraction, and has an obligation to respect the rights of others in this respect.

2. To this end, noise, disturbance, and unseemly behaviour are not permitted in the Library.

3. Smoking is permitted only in those areas designated as Smoking Areas by the official provision of ashtrays.

4. Talking is forbidden in formal reading areas, in book stacks, and in Catalogue and Reference areas, except that in the latter two areas quiet conversation is allowed for the purpose of seeking assistance in the consultation of the catalogues or the use of the collections.

5. Because of possible damage to the Library property eating and drinking are not permitted in the Library.

## SECOND SCHEDULE

### CATEGORIES OF BORROWERS FROM THE LIBRARY

I. Undergraduate borrowing privileges	II. Academic/higher degree borrowing privileges
1. <i>Students of the University</i>	1. <i>Fellows and former Fellows of the Senate</i>
(a) Candidates for the degree of Bachelor	2. <i>Staff of the University</i>
(b) Candidates for the Diploma in Education	(a) Full-time and part-time members of the teaching staff
(c) Non-matriculated and non-degree students	(b) Research Fellows; Senior Research Assistants; Research Assistants; Professional Officers; Senior Programmers, Programmers
2. <i>Staff of the University</i>	(c) Administrative Staff, Graduate Assistants (or equivalent) and above.
(a) Categories of staff not included in II	(d) Assistant Librarians Grade III and above.
3. <i>Others</i>	(e) Retired academic and senior administrative staff.
(a) Graduates of universities or persons with equivalent qualifications as determined by the University	3. <i>Students of the University</i>
(b) Adult Education Intensive Course students	(a) Candidates for the degrees of Master or Doctor
(c) Full-time students of the Sydney Institute of Education	(b) Candidates for diplomas other than the Diploma in Education
	4. <i>Other</i>
	(a) Full-time and part-time academic staff of other universities and of New South Wales colleges of advanced education
	(b) Principals and Deputy Principals of the University Colleges
	(c) Full-time and part-time members of the teaching staff of research institutes and foundations affiliated with the University
	(d) Postgraduate students (by research) of other universities and colleges of advanced education in New South Wales.



6. Only those notices which have been authorised by the University Librarian or his appointed representative may be distributed or posted in the Library.
7. Books and other items which are the property of the Library shall not be mutilated, defaced, or deliberately misplaced.
8. In those libraries where readers are permitted to bring in their personal belongings, such belongings must be presented for inspection on request of a member of the Library staff when leaving the Library.
9. Books being borrowed shall be presented for inspection on leaving the Library on request of a member of the Library staff, even if the borrowing procedure has previously been completed.
10. Any person, whether or not a member of the University, when using the Library, shall produce identification on request of a member of the Library staff.

### THIRD SCHEDULE

#### Fines and other penalties

##### I. FINES

- (a) Items borrowed and overdue from the Undergraduate Library, Research Library or Branch Libraries:  
40 cents for each day the library is open (excepting Sundays and public holidays) to a maximum of \$10.00.
- (b) Items borrowed and overdue from Reserve Collections:  
\$1.00 for the first half-hour or part thereof, and \$1.00 for each successive hour or part thereof to a maximum of \$10.00.
- (c) Lost or mutilated transaction cards, bar-coded labels, or borrowers' cards:  
\$3.00.

##### II. OTHER PENALTIES

- (a) *Failure to return a recalled item:*  
A borrower who fails to return an item recalled under Regulation III (f) within one week of the issuing of the recall notice will have his borrowing privileges suspended until the item is returned and will be liable for fines as if the item was overdue.
- (b) *lost or damaged items:*
  - (1) Where an item is lost, returned damaged or not returned after the issue of an overdue notice, the borrower will be charged for the item at replacement cost, plus a processing fee.
  - (2) An item lost or not returned, and charged for as above (1) remains the property of the Library. If it is returned within a reasonable time of the charge set out in (1) being imposed or within a reasonable time after the issue of an overdue notice, the charge may be waived and the maximum fine substituted, at the discretion of the University Librarian or his delegate.

**III. MISCONDUCT OR OTHER BREACH OF THE RULES**  
The University Librarian has authority under Chapter VIIIA of the By-laws to suspend any student from use of the Library for the purpose of halting or preventing misconduct, and to report any case of misconduct on the part of a student to the Registrar for disciplinary action.

#### REGULATIONS MADE PURSUANT TO SECTION 2

##### I. Conduct of readers in the libraries

Readers shall at all time adhere to the rules of conduct set out in the First Schedule. The detailed applicability of these rules to a particular situation shall be the responsibility of the appropriate member of the Library staff on duty in the particular library at the time.

##### II. Availability of material for loan

All books and other items in the Libraries are normally available for loan subject to the general discretion of the University Librarian, provided that items may from time to time be placed on restricted use, e.g. in Reserve, and that the following categories of items are normally not available for loan from the libraries concerned.

- (a) UNDERGRADUATE LIBRARY
  - (1) Items marked NOT FOR LOAN
  - (2) Recordings
  - (3) Browsing collection
  - (4) Periodicals
- (b) RESEARCH LIBRARY
  - (1) Items marked NOT FOR LOAN
  - (2) Examination papers
  - (3) Microforms
  - (4) Newspapers
  - (5) Periodicals
  - (6) Recordings
  - (7) Reference books
  - (8) University calendars
- (c) RARE BOOK LIBRARY  
No material is available for loan.
- (d) BRANCH LIBRARIES
  - (1) Items marked NOT FOR LOAN
  - (2) Periodicals
  - (3) Other material in categories (a) to (c) of Regulation II where applicable.

##### III. Conditions of borrowing

- (a) Items may be borrowed by the categories of borrowers listed in the Second Schedule for the following periods:
- (b) Items may not normally be borrowed if the borrower has other items overdue for return, or has unpaid fines outstanding in his name, or is in some other way in breach of Library Regulations.
- (c) Items shall be returned on or before the date shown on the date due slip in the item.
- (d) A borrower remains responsible for an item marked out in his name until it is returned to the

	Undergraduate Borrowing Privileges	Academic/Higher Degree Borrowing Privileges	Other Libraries (Interlibrary Loans)
Undergraduate Library	1 week	1 week	4 weeks (with approval of Undergraduate Services Librarian)
Research Library	2 weeks	8 weeks	4 weeks
Branch Libraries	As for Research Library subject to such local modifications as are appropriate and are posted publicly in the library concerned over the signature of the University Librarian.		

Library and the transaction cleared by the Library staff.

(e) The following conditions apply in relation to the extension of the period for which an item may be borrowed:

- (1) Undergraduate Library—no extension is possible.
- (2) Research Library—except where the item has been reserved for another person, the borrowing period may be extended by up to two extensions of two weeks each for holders of undergraduate borrowing privileges, and by one extension of eight weeks for holders of academic/postgraduate borrowing privileges, and one extension of four weeks for interlibrary loans.
- (3) Branch Libraries—as for Research Library, subject to such local modifications as are appropriate and are posted publicly in the library concerned over the signature of the University Librarian.

(f) The following conditions apply in relation to the recalling of items on loan before the date due:

- (1) If the item is needed for a Reserve Collection—recallable after the expiration of one week from the date of initial loan.
- (2) If the item has been requested by another borrower—recallable after the expiration of one week from the date of initial loan (two weeks if borrowed under academic/higher degree privileges).

(g) Reserve collections. At the discretion of the University Librarian items in heavy demand may be removed to a Reserve collection, and the period of borrowing restricted.

#### IV. Borrowing procedures

- (1) No item of Library property may be removed from the Library except by way of loan to an authorised borrower.
- (2) In borrowing an item, a reader shall follow the official instructions displayed at the circulation desk(s) and/or on official Library notice boards, and shall present his authority to borrow upon request by any member of the Library staff.
- (3) Borrowers' cards are not transferable.

## RESOLUTIONS OF THE ACADEMIC BOARD

### LIBRARY COMMITTEE

1. (1) Pursuant to resolutions 1 and 2 of the Resolutions of the Senate relating to the Library Committee the Academic Board shall appoint—
  - (a) at its regular meeting in February 1986 and at the regular meeting of the Board in February in every alternate year thereafter and on the nomination of the Standing Committee of the Board, the following staff members of the Library Committee:
    - (i) three members each from the Faculties of Arts and Science;
    - (ii) two members from the Faculty of Medicine;
    - (iii) one member from each of the other Faculties; and
  - (b) at its regular meeting in March each year three student members of the Committee who should preferably be student members of the Academic Board and of whom one shall be a postgraduate student and two undergraduate students.

(2) The members of the Committee appointed in accordance with resolution 1(1)(a) shall be nominated by the Standing Committee after advice from the deans of the faculties concerned.

(3) The members of the Committee appointed in accordance with resolution 1(1)(b) shall be nominated by the student members of the Academic Board prior to the March meeting of the Board each year.

(4) The members of the Committee appointed by the Board in accordance with resolution 1(1)(a) shall hold office for a period of two years from 1 March immediately following their appointment.

(5) A vacancy occurring by death, disqualification or resignation of any member of the Committee appointed by the Academic Board shall be filled by election by the Board if the vacancy occurs in the first year of a two-year term of office and by co-option by the Library Committee if the vacancy occurs during the second year of a two-year term of office.

(6) A member of the Committee shall cease to hold office if that person ceases to hold the qualifications in respect of which the person was eligible for membership.

2. (1) The Chairman of the Library Committee shall be elected by and from the members of the Academic Board.

(2) The election of the Chairman shall be held at the February meeting of the Board in 1986 and at the February meeting in every subsequent second year.

(3) Nominations for election to the position of Chairman of the Committee are to be lodged with the Registrar before the meeting of the Standing Committee held immediately prior to the meeting of the Board at which the election is to be held.

(4) In the event of no nominations being received by the due date the Standing Committee shall be requested to nominate a candidate for election by the Board.

### LIBRARY USER SUB-COMMITTEES

The Board adopted the following Resolutions regarding the establishment and function of User Sub-Committees for three branch libraries in the University (Mathematics, Burkitt and Badham)—

1. That wherever a Branch Library (or other similar Library) exists within the University system, the Library Committee encourage the establishment of an appropriate User Committee.

2. Wherever the nature of a library's holding is the major concern of only one Faculty, the most appropriate arrangement would be for the User Committee to be the Faculty Library Committee and the Library Committee itself should not proceed to set up a User Sub-Committee unless the appropriate Faculty has not done so and is unwilling to do so.

3. As previously, Faculty Library Committee would report to the parent Faculty in the first instance.

4. In the case of libraries for which it is not appropriate to establish Faculty Committees, the Library Committee should set up User Sub-Committees, responsible directly to the Library Committee, to which they would ordinarily report.

5. User Sub-Committees should include one or more representatives of each User Department or Faculty, nominated by the Head of Department or Dean concerned but appointed by the Library Committee. In addition such committees should include one or more undergraduate and postgraduate student members, appointed by the Library Committee, and *ex officio*,

the Chairman of the Library Committee, the Librarian (or his nominated representative) and the Librarian in Charge of the Branch (or other) Library concerned.

6. The User Sub-Committee would normally elect a chairman from among its members provided always that the Chairman of the Library Committee would have the right to attend any meeting and take the chair. The Sub-Committee would meet at least once a term and report to the Library Committee at least once each year.

7. User Sub-Committees should be appointed biennially at the first regular meeting of the incoming Library Committee or as soon thereafter as practicable.

8. At the present time there are three informal User Committees in existence:

- The Burkiitt Library User Committee
- The Badham Library User Committee
- The Mathematics Library User Committee

Two of these were set up recently under the auspices of the Library Committee, and the other has been in existence for several years.

9. It is suggested that the existing informal committees be accorded formal recognition as User Sub-Committees of the Library Committee for 1977 and that the proposed procedure for appointing the Sub-Committees be implemented first in 1978. For the purposes of appointing the Sub-Committees the appropriate User Departments and Faculties for the three libraries should include:

<i>Burkiitt</i>	The Departments of: Anatomy Histology and Embryology Physiology
<i>Mathematics</i>	The Departments of: Pure Mathematics Applied Mathematics Mathematical Statistics
<i>Badham</i>	The School of Biological Sciences The Faculty of Agriculture The Faculty of Veterinary Science The Department of Histology and Embryology The Department of Physiology

## Additional resolutions of the Senate

UNIVERSITY OF  
SYDNEY LIBRARY:  
SENATE RESOLUTIONS  
ACADEMIC BOARD  
RESOLUTIONS  
ADDITIONAL  
SENATE RESOLUTIONS

### RESTRICTION UPON NUMBER OF STUDENTS WHO MAY ENROL

The Senate has resolved that the Senate may admit or decline to admit any matriculated student to any particular Faculty or particular course and may determine the number of students who shall be permitted to enrol or continue in any Faculty or for any course.

In the event of more students seeking to enrol or continue in any Faculty or course than the number so determined, students up to that number shall be selected by such methods of determining merit as the Senate thinks proper and only the students so selected shall be permitted to enrol or continue in that Faculty or course.

The Senate has determined<sup>1</sup> that there shall be restriction of entry into first year in each of the Faculties. The quotas for undergraduates in first year in 1987 are as follows:

Agriculture.....	110
Architecture .....	75
Arts .....	1260
Dentistry .....	85
Economics .....	340
Education	
(1) Primary.....	40
(2) Human Movement .....	40
(3) Secondary .....	35
(4) Early Childhood .....	5
Engineering	
(1) Electrical .....	80
(2) Other branches .....	220
Law	
(1) Combined courses .....	210
(2) Straight Law .....	80
Medicine.....	230
Music.....	14
Pharmacy .....	130
Science .....	680
Veterinary Science	90
<b>TOTAL .....</b>	<b>3724</b>

The Senate has determined that—

- (a) there shall be an overseas quota, entry to which is limited to private overseas students who have qualified to matriculate with an Australian secondary educational programme;
- (b) the quotas for overseas students for 1987 are as follows:

Agriculture.....	4
Architecture .....	7
Arts .....	60
Dentistry .....	4
Economics .....	20
Engineering .....	
(1) Electrical .....	5
(2) Other branches .....	15
Law .....	5
Medicine.....	6
Music.....	1
Pharmacy .....	8
Science .....	22
Veterinary Science.....	4
<b>TOTAL .....</b>	<b>161</b>

The Senate determined the Special Admissions quota for 1987 as 180. The Overseas and Special Admissions quotas are included in the first year quotas.

The Senate has resolved that for candidates seeking admission to a Faculty or course on the basis of results obtained at the Higher School Certificate Examination taken after 1st October 1981 selection will be based on each applicant's aggregate mark arrived at by dividing his results in each course in matriculation subjects by the unit value of that course and then adding together the marks in his ten best units.

#### ADMISSION OF STUDENTS TO FIRST YEAR

The Senate has determined that the Registrar, acting in consultation with the Committee representing the various Faculties and Courses, be authorised to offer a small number of places to applicants for places in the various quotas who would otherwise have been unsuccessful and who had demonstrated meritorious performance at another tertiary institution provided that the performance at the other institution was relevant to the application.

In addition a student's tertiary record in relevant courses may be taken into account in considering the application for an offer of a place, even where the student's selection aggregate would have gained him or her selection into a quota. Faculties and Boards of Studies wishing to implement this Resolution will be required to make the necessary recommendation to the Board through the Admissions Committee no later than March of the year preceding that in which implementation is desired.

#### DEFERRED FIRST YEAR ADMISSIONS

1. Except as provided in resolutions 2 and 3, a person granted admission to First Year in any Faculty or under any Board of Studies may be permitted to defer enrolment in that Faculty or under that Board of Studies for one year on making written application to the Registrar, provided that the request for deferment has been made by the date set for the acceptance of the offer of admission in the first round of offers. Requests for deferment received after this date or for deferment for more than one year may be granted on the showing of good cause.

2. Deferment of enrolment will not normally be granted to enable an applicant to undertake another tertiary course of study except where the other course has a direct bearing on the proposed university course.

3. A graduate who has been granted admission to First Year in the Bachelor of Music degree course will not be permitted to defer enrolment unless there has been an extreme and unpredictable change of circumstances.

4. An applicant who has previously attended a tertiary institution and who has been granted admission

to an undergraduate degree course will not be permitted to defer enrolment unless there has been an extreme and unpredictable change of circumstances.

#### SUSPENSION OF CANDIDATURE FOR A BACHELOR'S DEGREE AND RE-ENROLMENT AFTER SUSPENSION

(i) A student who has enrolled for the degree of Bachelor and who wishes to suspend candidature for more than one year must seek the approval of the appropriate faculty or board of studies, which, where appropriate, having considered advice from the department(s) concerned, will determine any conditions for re-enrolment.

(ii) In the case of candidates proceeding towards a Bachelor's degree in the Faculty of Medicine, the Faculty may exercise its powers under resolution (i) above in the case of candidates who wish to suspend candidature for one year or more.

(iii) A student who has not obtained permission to re-enrol will be required to apply for re-admission in accordance with procedures determined by the faculty or board of studies concerned.

#### RESTRICTION UPON RE-ENROLMENT

The Resolutions of the Senate concerning the *Restriction Upon Re-enrolment of Certain Students who fail in Annual Examinations* are as follows:

1. The Senate authorises any Faculty or Board of Studies to require a student who comes within the provisions of Resolutions 8 to 24 below to show good cause why he should be allowed to re-enrol or to repeat a year of candidature or a course in that Faculty or Board of Studies.

2. Subject to Resolution 5, the Faculty or Board of Studies may exclude a student who fails to show good cause from—

- (a) the degree course or year of candidature concerned and / or
- (b) the course or courses concerned both in that Faculty or Board of Studies and in any other Faculty or Board of Studies in which that course or those courses may be taken.

3. Subject to Resolution 5—

- (a) any student who has been excluded from a Year of candidature or from a course or courses by a Faculty or Board of Studies in accordance with Resolution 2 and who wishes to re-enrol in that Year of candidature or that course or those courses may apply for such re-enrolment after at least two academic years and that Faculty or Board of Studies may permit him to re-enrol in the Year or the course or courses from which he was previously excluded;
- (b) any student who has been excluded from a course or courses by one Faculty or Board of Studies in accordance with Resolution 2 and who wishes to enrol in that course or courses in another Faculty or another Board of Studies may apply for such enrolment after at least two academic years and that other Faculty or Board of Studies may permit him to enrol in the course or courses from which he was previously excluded.

4. Except with the express approval of the Faculty concerned a student excluded from a Year or course who is re-admitted shall not be given credit for any work completed in another Faculty or Board of Studies or another University during the period of exclusion.

5. Before exercising its powers under Resolution 2 or 3 in relation to an individual course, a Faculty or Board of Studies shall consult the Head of the Department or School responsible for the course.

6. The Senate authorises the Faculty or Board of Studies as a whole or a Faculty Committee or Board of Studies Committee representing the main teaching departments in each Faculty or Board of Studies, to carry out all duties arising out of Resolutions 1, 2, 3, 4 and 5.

7. (1) Subject to Resolution 7(2), a student who, having been excluded in accordance with these Resolutions, has been refused enrolment or re-enrolment in any year or course by any Faculty or Board of Studies, or any Faculty Committee or Board of Studies Committee, may appeal to the Senate.

(2) A second or subsequent appeal to the Senate shall only be heard by leave of the Chancellor or the Deputy Chancellor.

#### A. Students in all Faculties and Boards of Studies

8. The Senate authorises any Faculty or Board of Studies to require a student to show good cause why he should be allowed to repeat in that Faculty or Board of Studies (a) a year of candidature in which he has failed or discontinued more than once or (b) any course in which he has failed or discontinued more than once whether that course was failed or discontinued when he was enrolled for a degree supervised by that Faculty or Board of Studies or by another Faculty or Board of Studies.

9. The Senate authorises the several Faculties or Boards of Studies to require a student who, because of failure or discontinuation has been excluded from a Faculty or course, either in the University of Sydney or in another tertiary institution, but who has subsequently been admitted or readmitted to the University of Sydney to show good cause why he should be allowed to repeat either (a) the first year of attendance in which after such admission or readmission he fails or discontinues, or (b) any course in which in the first year after admission or readmission he fails or discontinues.

#### B. Faculty of Agriculture

10. (1) The Senate authorises the Faculty of Agriculture to require a student to show good cause why he should be allowed to re-enrol in the Faculty of Agriculture if, in the opinion of the Faculty, he has not made satisfactory progress towards fulfilling the requirements for the degree.

(2) Satisfactory progress cannot be defined in all cases in advance but a student who has

- (i) twice failed, or discontinued enrolment to count as a failure, any course as defined in Resolutions 1, 2, 3 and 5 relating to the degrees of Bachelor of Science in Agriculture or Bachelor of Agricultural Economics or

- (ii) at the annual examinations in the second or any subsequent year of enrolment, failed more than sixty percent of the units for which enrolled and has also obtained a weighted average mark of less than fifty percent in the total number of units for which enrolled in the two most recent years of enrolment,<sup>1</sup>

shall be deemed not to have made satisfactory progress.

(3) In cases where the Faculty permits the re-enrolment of a student whose progress has been deemed unsatisfactory, the Faculty may require the completion of specified courses in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he should be allowed to re-enrol in the Faculty of Agriculture.

#### C. Faculty of Architecture

11. The Senate authorises the Faculty of Architecture to require a student who is a candidate for the degree of Bachelor of Science (Architecture) or Bachelor of Architecture to show good cause why he should be allowed to re-enrol in the Faculty of Architecture if in any two successive years of attendance he fails to gain credit for at least 40 units.

#### D. Faculty of Arts

12. (1) The Senate authorises the Faculty of Arts to require a student to show good cause why he should be allowed to re-enrol in the Faculty of Arts if, in the opinion of the Faculty, he has not made satisfactory progress towards fulfilling the requirements for the degree.

(2) Satisfactory progress cannot be defined in all cases in advance but a student who—

- (a) has not passed at least three courses during the first two years of enrolment in the Faculty;
- (b) has failed or discontinued enrolment in more than one course twice;
- (c) has failed to pass any courses in any two consecutive years of enrolment in the Faculty; or
- (d) having been admitted subsequent to having completed one or more years of enrolment in another faculty or board of studies or at another tertiary institution but having a record of failure in that faculty or board of studies or institution then fails to pass at least one course in the first year of enrolment in the faculty;

shall be deemed not to have made satisfactory progress.

(3) For the purposes of these Resolutions a student who enrolls in four First Year courses in any one academic year and who varies that enrolment by withdrawing from one of the courses shall not be regarded as having discontinued or failed that course.

(4) In cases where the Faculty permits a student whose progress has been deemed unsatisfactory to re-enrol, the Faculty may require the completion of specified courses in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he should be allowed to re-enrol in the Faculty of Arts.

#### E. Faculty of Dentistry

13. The Senate authorises the Faculty of Dentistry to require a student to show good cause why he should be allowed to re-enrol in the Faculty of Dentistry:

(1) when he has failed Second Year in the Faculty of Dentistry, if he has already taken more than one year to qualify for admission to Second Year; or

(2) when, having first enrolled in the Faculty prior to 1 January 1978 and having failed any course in his last enrolment under the By-laws in force prior to 1 January 1978, he subsequently fails at the first annual examination for which he is required to present himself.

<sup>1</sup> This section applies only to students enrolling in the Faculty for the first time in 1978 or a subsequent year.

#### F. Faculty of Economics

14. (1) The Senate authorises the Faculty of Economics to require a student to show good cause why he should be allowed to re-enrol as a candidate for the degree of Bachelor of Economics, if in any two successive years of attendance, he fails to gain credit for at least 16 units.

(2) In cases where the Faculty permits the re-enrolment of a student whose progress has been deemed unsatisfactory, the Faculty may place restrictions on the number and type of courses in which the student may re-enrol in that year and may require the completion of specified courses in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he or she should be allowed to re-enrol in the Faculty of Economics.

*For students commencing undergraduate study after 1 January 1987*

- 14A. (1) The Senate authorises the Faculty of Economics to require a student to show cause why the student should be allowed to re-enrol as a candidate for the degree of Bachelor of Economics or Bachelor of Economics (Social Sciences) if in any two successive years of enrolment, the student fails to gain credit for more than two courses.

(2) In cases where the Faculty permits the re-enrolment of a student whose progress has been deemed unsatisfactory, the Faculty may place restrictions on the number and type of courses in which the student may re-enrol in that year and may require the completion of specified courses in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he or she should be allowed to re-enrol in the Faculty of Economics.

#### G. Faculty of Engineering

15. (1) The Senate authorises the Faculty of Engineering to require a student to show good cause why he should be allowed to re-enrol in the Faculty of Engineering, if in the opinion of the Faculty, he has not made satisfactory progress towards fulfilling the requirements for the degree.<sup>1</sup>

(2) Satisfactory progress cannot be defined in all cases in advance but a student who (i) has failed to gain credit for at least half of his enrolment in any year or (ii) has failed a major course more than once shall be deemed not to have made satisfactory progress.<sup>1</sup>

(3) In cases where the Faculty permits the re-enrolment of a student whose progress has been deemed unsatisfactory, the Faculty may require the completion of specified courses in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he should be allowed to re-enrol in the Faculty of Engineering.

#### H. Faculty of Law

16. See sections 8 and 9 above.

<sup>1</sup> This section applies only to students who enrolled in the Faculty for the first time in 1976 or in a subsequent year. For Resolution governing students who commenced prior to 1976, see Calendar 1975, page 303, which read—

The Senate authorises the Faculty of Engineering to require a student to show good cause why he should be allowed to re-enrol in the Faculty of Engineering if in any two successive years of attendance he fails to gain credit for 24 units, unless in the second of these two years he successfully completes all courses attempted in that year.

#### I. Faculty of Medicine

17. The Senate authorises the Faculty of Medicine to require a student to show cause why the student should be allowed to re-enrol in the Faculty of Medicine—

- (a) in accordance with Sections 8 and 9 above; or  
(b) if, during the transition to the courses of study prescribed in the Resolutions of the Senate relating to the degrees of Bachelor of Medicine and Bachelor of Surgery to take effect from 1 January 1986, a student fails a year of candidature deemed by the Faculty to be equivalent to a year which the student has previously failed.

#### J. Faculty of Science

18. (1) The Senate authorises the Faculty of Science to require a student to show good cause why he should be allowed to re-enrol in the degree of Bachelor of Science if in the opinion of the Faculty he has not made satisfactory progress towards fulfilling the requirements for the degree.

(2) Satisfactory progress cannot be defined in all cases in advance, but a student who has not gained credit for 58 or more units should be asked to show good cause why he should be allowed to re-enrol as a candidate for the degree of Bachelor of Science if in any two successive years of attendance he fails to gain credit for half the unit value of courses attempted, unless in one of these two years he successfully completes all courses attempted in that year.

(3) In cases where the Faculty permits the re-enrolment of a student whose progress has been deemed unsatisfactory, the Faculty may require the completion of specified courses in a specified time, and if the student does not comply with these conditions, the student may again be called upon to show good cause why he should be allowed to re-enrol in the degree of Bachelor of Science.

19. (1) The Senate authorises the Faculty of Science to require a student to show good cause why he should be allowed to re-enrol in the degree of Bachelor of Pharmacy if in the opinion of the Faculty he has not made satisfactory progress towards fulfilling the requirements for the degree.

(2) Satisfactory progress cannot be defined in all cases in advance, but a student who has not gained credit for 58 or more units shall be asked to show good cause why he should be allowed to re-enrol as a candidate for the degree of Bachelor of Pharmacy, if in any two successive years of attendance he fails in the first of these years to gain credit for 14 units and then fails to gain a total of 22 units in the two years of attendance.

(3) In cases where the Faculty permits the re-enrolment of a student whose progress has been deemed unsatisfactory, the Faculty may require the completion of specified courses in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he should be allowed to re-enrol in the degree of Bachelor of Pharmacy.

#### K. Faculty of Veterinary Science

20. (1) The Senate authorises the Faculty of Veterinary Science to require a student to show good cause why he should be allowed to repeat Second Year in the Faculty of Veterinary Science if he has

already taken more than one year to qualify for admission to Second Year.

(2) The Senate authorises the Faculty of Veterinary Science to require a student to show good cause why the student should be allowed to repeat First Year in the Faculty of Veterinary Science if that student has failed all the subjects of the First Year in the Faculty of Veterinary Science or has obtained a weighted average mark of less than 40% in those subjects.

#### **L. Board of Studies in Divinity**

21. See sections 8 and 9 above.

#### **M. Faculty of Education**

22. (1) The Senate authorises the Faculty of Education to require a student to show good cause why he or she should be allowed to re-enrol in the Bachelor of Education degree course, if, in the opinion of the Faculty, he or she has not made satisfactory progress towards fulfilling the requirements for the degree.

(2) Satisfactory progress cannot be defined in all cases in advance, but a student who—

- (a) has not passed at least three courses during the first two years of enrolment (not necessarily in consecutive calendar years);
  - (b) has failed or discontinued enrolment in more than one course twice; or
  - (c) has failed to pass any courses in any two consecutive years of enrolment in the Faculty;
- shall be deemed not to have made satisfactory progress.

(3) In cases where the Faculty permits a student whose progress has been deemed unsatisfactory to re-enrol, the Faculty may require the completion of specified courses in a specified time and if the student does not comply with these conditions the student may again be called upon to show good cause why he or she should be allowed to re-enrol in the Bachelor of Education degree course.

#### **N. Board of Studies in Music**

23. (1) The Senate authorises the Board of Studies in Music to require a student to show good cause why he should be allowed to re-enrol in the Bachelor of Music degree course if, in the opinion of the Board of Studies, he has not made satisfactory progress towards fulfilling the requirements for the degree.

(2) Satisfactory progress cannot be defined in all cases in advance but a student who (i) has not passed at least three courses during the first two years of enrolment (not necessarily consecutive calendar years) or (ii) has failed or discontinued enrolment in more than one course twice shall be deemed not to have made satisfactory progress.

(3) In cases where the Board of Studies permits the re-enrolment of a student whose progress has been deemed unsatisfactory, the Board of Studies may require the completion of specified courses in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he should be allowed to re-enrol in the Bachelor of Music degree course.

#### **O. Board of Studies in Social Work**

24. (1) The Senate authorises the Board of Studies in Social Work to require a student to show good cause why he should be allowed to re-enrol in the

Bachelor of Social Studies degree course if, in the opinion of the Board of Studies, he has not made satisfactory progress towards fulfilling the requirements for the degree.

(2) Satisfactory progress cannot be defined in all cases in advance but a student who (i) has not passed at least three courses during the first two years of enrolment (not necessarily consecutive calendar years) or (ii) has failed or discontinued enrolment in more than one course twice shall be deemed not to have made satisfactory progress.

(3) In cases where the Board of Studies permits the re-enrolment of a student whose progress has been deemed unsatisfactory, the Board of Studies may require the completion of specified courses in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he should be allowed to re-enrol in the Bachelor of Social Studies degree course.

#### **GOOD CAUSE<sup>1</sup>**

The Senate has adopted the following definition of 'good cause':

All acceptable reasons cannot be defined in advance, but:

- (a) Serious ill health or misadventure, properly attested, will be considered.
- (b) Demands of employers, pressure of employment, time devoted to non-university activities will not ordinarily be accepted except as they may be relevant to reasons advanced in (a).
- (c) A student's general record, e.g. in other courses, will be taken into account. (In particular, where students transfer from other Faculties, regard will be had to their record in the previous Faculty.)

#### **ADMISSION AFTER EXCLUSION**

Applications for admission to a faculty or degree course from persons who have been excluded from a course or courses at this University or another tertiary institution shall be considered by the Admissions Committee of the Academic Board, acting on the advice of the faculties and boards of studies.

#### **CREDIT FOR COURSES AFTER EXCLUSION FROM ANOTHER INSTITUTION**

A student gaining a place in the First Year quota at the University of Sydney after having been excluded, or having been asked to show good cause why he should not be excluded, from another tertiary institution shall not be automatically granted credit for courses completed at the other institution. Such a student may, however, at the discretion of the Faculty or Board of Studies concerned be granted credit for or exemption from or in particular courses on the grounds of the work completed at the other institution.

#### **HIGHER DEGREE THESES**

1. (1) It is the policy of the Senate that a candidate for a higher degree should not normally be permitted to undertake a programme of advanced study and research which is likely to result in the lodgement of a thesis which cannot be available for use immediately, to be read, photocopied or microfilmed.

<sup>1</sup> See also the Academic Board Resolutions relating to Failure and Re-enrolment after Discontinuation.

- (2) An applicant for admission to candidature for a higher degree shall be required to acknowledge awareness of this policy when applying for such admission.
- (3) Subject to Resolutions 2 and 3, a higher degree thesis lodged in the University Library or in a departmental library shall be available immediately for use by any person entitled to use the Library or that departmental library and may be read, photocopied or microfilmed by or on behalf of such a person at the discretion of the Librarian or, in the case of a departmental library, the Head of Department provided that each user and recipient of a copy of a thesis shall, in a written statement signed by him, undertake to respect the author's rights under the law relating to copyright.
- (4) Except as provided in Resolution 2, a candidate for a higher degree lodging a thesis for examination shall sign the following undertaking:
- 'I ..... understand that if I am awarded a higher degree for my thesis entitled '.....', being lodged herewith for examination, the thesis will be lodged in the University Library and be available immediately for use by any person entitled to use the Library and may be read, photocopied or microfilmed by or on behalf of such a person at the Librarian's discretion. I understand that the Librarian would require each user and recipient of a copy of the thesis to undertake in writing to respect my rights under the law relating to copyright.
- Signed..... Date.....
2. (1) If, at any time between application for admission to candidature and the lodgement of the thesis, it shall appear to the Supervisor and to the Head of the Department that successful prosecution of the candidature will require the use of confidential material which the candidate would not be at liberty fully to disclose in the thesis, the matter shall be reported as soon as practicable to the Faculty or Board of Studies concerned.
- (2) The Faculty or Board of Studies may, if it thinks fit, recommend to the Academic Board that the candidate be granted—
- (a) permission to include in an appendix to the thesis such material as is essential to the thesis but which, for a limited period, may not be available for general inspection and
- (b) exemption, in respect of such an appendix, from the requirement to give the undertaking specified in Resolution 1 (4).
- (3) Subject to the provisions of Resolution 3, if the Academic Board resolves to grant such permission and exemption, the Librarian shall restrict access, for a period to be specified by the Academic Board, to any appendix referred to in Resolution 2 (2) (b). This period of restriction shall not exceed five years unless there are exceptional reasons for an extension of the period.
3. (1) The Librarian may grant access to an appendix to a thesis to which access has been restricted in accordance with Resolution 2 (3), to a scholar who—
- (a) demonstrates *bona fide* concern with the material in that appendix and
- (b) has the written consent of either
- (i) the author of the thesis or
- (ii) the Head of the Department concerned in a case where the author cannot be contacted, notwithstanding that all reason-

able steps have been taken to contact him.

- (2) Notwithstanding any other provision of these Resolutions, the examiners of a thesis, including any committee or board of postgraduate studies of a Faculty or Board of Studies or any committee of the Academic Board which is directly concerned with the examination of such thesis, shall have access to the thesis and any appendix of it for the purposes of any examination or re-examination.

4. Immediately a candidate for a higher degree lodges the prescribed number of copies of the thesis with the Registrar for examination, the Registrar shall arrange for a label stating the rights of the author under the laws relating to copyright to be affixed to the inside of the front cover of each copy.

5. For the purposes of these resolutions references to 'theses' shall be taken to include also reference to treatises, dissertations and other similar productions where there is a requirement that a copy of the production be lodged by the Registrar with the Librarian.

#### Public availability

The following resolutions relating to public availability of higher degree theses should be read in conjunction with the above:

1. A candidate for a higher degree who is preparing for publication material in the thesis submitted for the degree may apply in writing for deferment of the availability of that thesis in the University Library for a specific period of time.
2. The Dean of the Faculty or Chairman of the Board of Studies concerned may, if satisfied that such a deferment is necessary to protect the interests of the applicant:
- (a) authorise the Registrar not to lodge the thesis in the Library for a period not exceeding six months from the date of award of the degree; and may also
- (b) recommend that the Faculty or Board of Studies concerned request the Academic Board to approve a longer period of deferment or an extension of the original deferment, provided that the total period of deferment shall not exceed twelve months.

#### CHANGES IN REQUIREMENTS FOR DEGREES AND DIPLOMAS

##### Amendment of by-laws and resolutions of Senate and of the Academic Board

1. The Senate has adopted the following timetable for consideration of recommendations by faculties and boards of studies for amendments of By-laws and Resolutions of the Senate—

- (a) Proposals to provide for a new bachelor's degree or to make significant changes to the requirements for a bachelor's degree shall be submitted to the Academic Board no later than its regular meeting in November and to the Senate by no later than its regular meeting in December, thirteen months before the year in which it is proposed they should take effect.
- (b) Proposals to provide for new degrees and diplomas other than bachelor degrees shall be submitted to the Academic Board by no later than its regular meeting in July and to the Senate by no later than its regular meeting in August of the year previous to that in which it is proposed they should take effect.



- (c) Proposals to provide for changes in the requirements for degrees or diplomas other than in (a) above shall be submitted to the Academic Board by no later than its regular meeting in July and to the Senate by no later than its regular meeting in August of the year previous to that in which it is proposed they should take effect.
- (d) Where any proposal involves amendments to the By-laws implementation of the proposal must await approval by the Governor-in-Council. As the machinery for that approval is not under the control of the University no guarantee can be given that approval of amendments submitted in accordance with the above timetable can be obtained before 1 March in the year of intended implementation.
- (e) In special circumstances and subject to the provisos in (d) above the Academic Board and the Senate may consider amendments at a date later than mentioned in sections (a) to (c).

#### **Amendment of resolutions of faculties and of boards of studies**

2. (1) Amendments of resolutions of Faculties and of Boards of Studies to provide for new courses or for changes in the requirements for degrees or diplomas for which a Faculty or Board of Studies is responsible to take effect not earlier than 1st January of the following year shall be made by no later than 30th June.
- (2) Where there are special reasons the Faculty or Board of Studies concerned may consider amendments at a later date.

#### **ESQUIRE BEDELL**

The Esquire Bedell shall attend on the Chancellor or the Deputy Chancellor on public academic occasions and shall consult with the Vice-Chancellor on the ceremonial procedure suitable for such occasion.

#### **ACCEPTANCE OF ACADEMIC APPOINTMENTS**

- (i) A person offered an appointment to a Chair or position of Associate Professor or Reader is required to notify acceptance or non-acceptance within a period of four months or such other period as Senate may determine in a specific case on the advice of the Vice-Chancellor, from the date of the University's letter offering the appointment.
- (ii) A person offered any other academic appointment is required to notify acceptance or non-acceptance within a period of two months or such other period as the Vice-Chancellor may determine in a specific case.
- (iii) In all cases the appointment must be taken up within six months or such reasonable period as the Vice-Chancellor may determine on the advice of the Head of Department.
- (iv) An appointment is not deemed to have been made until the appointee has taken up duty.

#### **PROBATIONARY APPOINTMENTS: DEFINITION**

The Senate approved the following recommendation:—

The Board, after considering a report from the Committee appointed to maintain regular consultation with the Deputy Vice-Chancellor, recommended that in future in any reference to Lectureship or Senior Lectureship appointments, (1) the term 'short-term appointment' be not used and the term 'probationary appointment' be substituted, and (2) it be clearly indicated that a probationary appointment to a Lectureship or Senior Lectureship is for a period of three years in the first instance with the possibility of permanency during or shortly after that period.

In the Committee's report it was said that the title 'Short-term Lecturer' was likely to be confused with what this University called a 'Fixed-term Lecturer' and what some other universities called a 'Contract Appointment'. The Federation of Australian University Staff Associations had been running a campaign through newspaper advertisements in Australia and the United Kingdom warning prospective applicants against being snared into a 'fixed-term' appointment in the expectation that it might lead to permanency. This University's continued use of the title 'Short-term Lecturer' would be likely to bring what was in fact a probationary appointment under suspicion.

For the information of the Senate the Board reported that at present a Lectureship or Senior Lectureship advertisement includes the following statement:

The Lectureship (or Senior Lectureship) is permanent but may be filled for three years in the first instance with the possibility of permanency during that time.

If the foregoing recommendation was adopted, the advertisement could then be worded as follows:

The position may be filled either on a permanent basis or, in the first instance, for a probationary period of three years with the possibility of permanency being granted during or shortly after that period.

#### **CLINICAL ACADEMIC APPOINTMENTS**

The Senate approved the following recommendation—

##### **1. Titles**

- (a) There shall be four levels of appointment which shall be entitled:
  - (i) Clinical Professor
  - (ii) Clinical Associate Professor
  - (iii) Clinical Senior Lecturer
  - (iv) Clinical Lecturer
- (b) Those clinical lecturers who are part-time teachers in the teaching hospitals in the University of Sydney shall be appointed in future as clinical lecturers in (a specified subject) (part-time) and shall be appointed in accordance with the procedures already existing for such appointments.

##### **2. Method of appointment**

- (a) The award of academic status shall be conferred by the same processes of University government which apply to the initial appointment of full-time academic staff.
- (b) Both the academic appointment and the level of appointment shall be reviewed by the same processes of University government which apply to full-time academic staff. (*Note:* It is implied that there shall be no difference in the academic qualifications which should be possessed by a full-time or clinical appointee, with respect to the level of appointment.)

### 3. Conditions of appointment

- (a) The Faculty of Medicine shall recommend whether the appointee should become a member of the Faculty. In certain circumstances, the Faculty may recommend that the appointee represent the interests of a group of colleagues who also hold joint appointments.
- (b) An appointee who is a member of the Faculty of Medicine shall be a member of the Academic Board only in special circumstances to be defined by the Board.
- (c) The appointee shall be responsible for his academic duties to the Head of an appropriate University Department or to the Dean of the Faculty of Medicine when no such Department exists.
- (d) The appointee shall carry out teaching, administrative and any other duties as directed by the Head of the Department or when appropriate, the Dean of the Faculty of Medicine. The appointee shall not receive additional payment for undergraduate teaching or examining.
- (e) The appointee shall hold an academic title only whilst employed in the same capacity as when first appointed.
- (f) The appointee shall be appointed for three years in the first instance, and be eligible for re-appointment.

The Board made this recommendation on condition that:

- (i) The appointments would be made from full-time members of staff of the teaching hospitals;
- (ii) the appointments would be made primarily to meet teaching needs in the University departments concerned, which the University could not otherwise satisfy;
- (iii) the teaching hospitals would be willing to release the appointees to provide their services to the University;
- (iv) in each case the award of clinical academic status and the level of appointment would be considered by the appropriate University committee and the Academic Board, on the recommendation of the Faculty of Medicine.

### PROCEDURES FOR CONSULTATION BETWEEN THE SENATE AND THE ACADEMIC BOARD IN RESPECT OF SOME SENIOR ADMINISTRATIVE APPOINTMENTS

The Senate approved the recommendation—

1. that when one of the senior administrative positions, viz. those of Vice-Chancellor and Deputy Vice-Chancellor, falls vacant, the Senate will appoint a Joint Committee consisting of (a) members *ex officio* (namely, the Chancellor, the Deputy Chancellor, the Vice-Chancellor and Principal (except in cases where the position of Vice-Chancellor is under consideration) and the Chairman of the Academic Board), (b) members appointed by the Senate and (c) members equal in number to those appointed under (b), to be appointed by the Senate on the nomination of the Academic Board.

In order to represent the width of interest on the Board, it would be desirable to have four members appointed under 1(c).

2. that it recognises that the Joint Committee will be a committee of the Senate which will report to that body but the Board would wish the Joint Committee's recommendations on the conditions of appointment and

the method of advertisement and, in the case of a position of Deputy Vice-Chancellor, the specifications for the position, to be referred to the Academic Board for comment.

The Board resolved that the members of the Board to be nominated to Senate for appointment to the Joint Committee be nominated to the Board by the Standing Committee of the Academic Board.

### ENDOWMENT OF ACADEMIC POSITIONS

On 7 April 1986 the Senate approved the following guidelines relating to endowment (external or private funding by gift in perpetuity or by annual grants) of academic positions. Staff who are or might expect to be involved in discussions about possible external/private funding of academic positions, are asked to take note of these guidelines.

- (a) No new endowed post or endowment of an existing post will be approved by Senate unless it is in the interest of the University to do so.
- (b) No appointment will be made except in accordance with the regular processes approved by Senate on advice of the Academic Board. These include advertisement of the post and Academic Board recommendation to Senate of appointments.
- (c) Short-term appointments should be for five years (or in special cases three years) as a minimum and all appointments should be at the normal rates of remuneration.
- (d) Funds contributed to raise a lectureship or senior lectureship to the level of a Chair should be sufficient to cover for the designated period the full salary, superannuation, payroll tax and all other costs for the Chair. (In some cases these might include clerical, research assistance and academic staff.) Care needs to be taken in negotiating such arrangements to preserve a proper number of lectureships and senior lectureships.
- (e) Funds intended to endow any academic post completely and perpetually should be large enough to bear the whole cost involved as set out in (d) and the reservation of part of the income earned on capital to sustain the real value of the endowment.
- (f) If endowment is offered in respect of an academic post (for example a lectureship) from which promotion is possible, the funding must be adequate to fund such promotion. Senate may, however, agree to a person holding a rank higher than that of lecturer also being designated as the holder of the endowed lectureship. The costs of the position would continue to be funded by the endowment and the extra costs resulting from a higher rank paid by the University.
- (g) When a benefactor wishes to endow and name a post already sustained by University or other funds, the benefaction must normally be large enough in annual earnings or payments to supply at least two-thirds of the annual cost of the post as set out in (d) above, and should be indexed. The privilege of naming will continue only so long as the appointed funds are available.
- (h) Titles given to academic posts should accord with normal academic propriety and there will be no publicity to the benefactor except in the naming of the post and of its incumbent in, for example, regular University listing of gifts and positions and in normal advertising and reporting of the filling of the post concerned.
- (i) Any special clause in an agreement to fund a post, such as, for example, an opportunity of consultancy in aid of the benefactor, should be

within the limitations of the University's rules on outside work. Research work and some forms of consultancy may require the use by the member of staff concerned of plant, equipment, materials and assistance provided by the benefactor. In all such cases the University should ensure wherever possible that the circumstances are announced in advertising for the post. The University's rules on outside work will not normally allow a benefactor to claim an exclusive right to any consultancy work that a member of staff may be able to undertake. It is the responsibility of the Vice-Chancellor to ensure that every post is used for the purposes of the University and to report problems to Senate.

- (j) Appointments made to posts from special endowments, whether or not naming privileges are involved, will normally cease when the funds providing for them are no longer adequate, provided that an endowed post may be held vacant until funds are available. Endowed short-term posts will at termination impose no residual financial obligation on the University.
- (k) Where an endowed post is to be held only part-time within the University, the above rules shall be applied as nearly as is reasonably possible.

#### LAW EXTENSION COMMITTEE

On 7 September 1964 the Senate of the University agreed to the establishment of the Law Extension Committee. The Senate resolved as follows:

1. There shall be a Law Extension Committee to undertake, subject to the authority of the Senate, the organisation, supervision and control of courses in Law appropriate for students presenting themselves for the examinations conducted by or on behalf of the Solicitors' Admission Board and the Barristers' Admission Board for such other body or bodies as may be set up from time to time to conduct examinations for the admission of Barristers and / or Solicitors.

2. The Committee shall consist of the Chancellor, the Deputy Chancellor, the Vice-Chancellor (*ex officio*), the Dean of the Faculty of Law and three other members of the Faculty of Law appointed by the Senate on the nomination of the Faculty, a Judge appointed by the Senate on the nomination of the Chief Justice of New South Wales, two Barristers appointed by the Senate on the nomination of the New South Wales Bar Association, two Solicitors appointed by the Senate on the nomination of the Law Society and not more than four other persons appointed by the Senate. The persons appointed by the Senate shall hold office for two years and shall be eligible for reappointment.

3. The Committee shall elect a Chairman from amongst its members and the Chairman shall hold office for two years. He shall be eligible for re-election.

4. The Committee shall admit to a course of instruction only a student who is a student at law or a person entitled to sit for the Solicitors' Admission Board examinations under the Rules of Court from time to time applying, provided that a student who is at the same time a candidate for the degree of Bachelor of Laws in the University of Sydney or any other university shall not be admitted save for the course in Legal Ethics and Trust Accounts, in which case such degree candidates of the University of Sydney may be admitted.

5. The Committee, in addition to organising lectures as courses of instruction in Sydney, shall arrange for courses of instruction to be available to students admitted in accordance with resolution 4 who reside outside the Sydney Metropolitan Area either by way of

lectures in appropriate areas in New South Wales or by correspondence from Sydney.

6. The Committee shall not itself conduct any examinations as mentioned in resolution 1 or any examination accepted as equivalent. However, the Committee may, at the request of the Joint Examinations Board of the Supreme Court of New South Wales, nominate persons to administer and assess work carried out by candidates for examinations conducted as set out in resolution 1.

#### SPORTS UNIONS, SRC AND FACULTY SOCIETIES, SUPRA AND UNION

1. There shall be the following societies which shall be governed by their respective Constitutions subject to these Resolutions: The Students' Representative Council, the University of Sydney Union, the Sydney Postgraduate Representative Association, the Sydney University Sports Union and the Sydney University Women's Sports Association.

2. (1) Except as provided in Resolution 3, the Senate requires a student who seeks to enrol—

- (a) for a degree of Bachelor; or
- (b) for the Diploma in Education; or
- (c) as an undergraduate non-degree student; to be a member of the following organisations provided that the relevant society or societies remain on the list in Resolution 1:

the student body that elects the Students' Representative Council, the University of Sydney Union, and, for a male student, the Sydney University Sports Union, and, for a female student, the Sydney University Women's Sports Association.

(2) Except as provided in Resolution 3, the Senate requires a student who seeks to enrol—

- (a) for a degree or diploma other than those mentioned in Resolution 2(1);
- (b) as a Master's Preliminary student; or
- (c) as a postgraduate non-degree or non-diploma student;

to be a member of the following organisations, provided that the relevant society or societies remain on the list in Resolution 1:

the Sydney University Postgraduate Representative Association, the University of Sydney Union, and, for a male student, the Sydney University Sports Union, and, for a female student, the Sydney University Women's Sports Association.

(3) A student required to be a member of any of the organisations listed in Resolution 2(1) or 2(2) shall, prior to the completion of enrolment, pay the subscriptions approved by the Senate in accordance with Resolution 5.

3. (1) The Senate exempts from the requirement to be a member of or to pay subscriptions to either the Sydney University Sports Union or the Sydney University Women's Sports Association a student who—

- (a) is enrolled for a degree of Master or Doctor, for a Diploma other than the Diploma in Education, as a Master's Preliminary student or as a postgraduate non-degree or non-diploma student; or
- (b) is duly certified as medically unfit; or
- (c) has attained the age of 50 years;

provided that such a student, notwithstanding this exemption, may become a member of an organisation named in this sub-section on the payment of the subscription referred to in Resolution 2(3).

- (2) The Senate exempts from the requirement to be a member of or to pay subscriptions to one or more of the following societies a student who is a Life Member of or has paid the entrance fee, if any, and five annual subscriptions to the society or societies concerned:
- the University of Sydney Union
  - the Sydney University Sports Union
  - the Sydney University Women's Sports Association
- (3) The Senate exempts from the requirement to be a member of and to pay subscriptions to the Sydney University Postgraduate Representative Association a member of the full-time staff of the University.
- (4) The Registrar, after consultation with the President of the organisation concerned or with the President's nominee, may grant exemption—
- (a) to an applicant for enrolment in the University from the requirement to be a member of and to pay subscriptions to, or
  - (b) to a student enrolled in the University from the requirement to be a member of and to pay subscriptions to,
- one or more of the organisations referred to in Resolution 2, provided that the Registrar is satisfied that the applicant for enrolment or the enrolled student objects to being such a member on grounds of conscience. Students granted such exemption on grounds of conscience are required to pay an equivalent sum into the Jean D. Foley Bursary Fund.
- (5) In the case of a non-degree student who is enrolled in a course or courses at this University as part of candidature for a degree or diploma at another University or institution the Registrar may grant exemption from the requirement to be a member of and to pay subscriptions to one or more of the organisations referred to in Resolution 2.
- (6) An exemption granted in pursuance of this Resolution may, at the discretion of the Registrar, be for one year of enrolment or for such period as the student remains enrolled at the University.
4. For a society to remain on the list in Resolution 1 its Constitution must be approved by the Senate and no amendment of the Constitution of a society listed in Resolution 1 shall take effect or have any validity or force whatsoever until it is approved by the Senate.
5. The Senate will collect from members of the organisations named in Resolution 2, provided that the relevant society or societies remain on the list in Resolution 1, subscriptions for each organisation at rates approved by the Senate at its October meeting each year or at such other meeting as the Senate may determine and shall pay to the Students' Representative Council, the Sydney University Postgraduate Representative Association, the University of Sydney Union, the Sydney University Sports Union and the Sydney University Women's Sports Association, the proceeds of these subscriptions at such times as the Vice-Chancellor in his discretion may decide.
6. If in the opinion of the Vice-Chancellor any society should breach the provisions of these Resolutions the Vice-Chancellor may suspend the payment of further sums collected as subscriptions for the society concerned and report the circumstances to the Senate for its determination.
7. No society referred to in Resolution 1 shall directly or indirectly expend or cause or allow to be expended its funds or any part of them except in accordance with its Constitution.

8. A society referred to in Resolution 1 shall not act in any way contrary to the provisions of the University and University Colleges Act.

9. If the Senate is not satisfied that the Constitution or procedures of an organisation outside the University to which a society listed in Resolution 1 wishes to pay affiliation fees are consistent with the purposes of the University the Senate may approve for this purpose an additional subscription which shall be voluntary and no funds other than those paid voluntarily shall be paid to such outside organisation.

10. (1) Every society listed in Resolution 1 shall report annually to the Senate on its activities and supply audited financial statements, together with a balance sheet and such further information as the Senate may from time to time require.

(2) The Senate may from time to time require an audit by an auditor of its own appointment.

11. (1) The Senate shall appoint a tenured member of the academic staff of the Faculty of Law as an Adviser.

(2) The Adviser shall advise a member of staff or student when requested to do so by that member or that student whether a payment or proposed payment by a society of which the Senate requires a student to be a member is, in his opinion, *ultra vires*.

(3) The Adviser shall inform the Vice-Chancellor when such advice is sought and given and shall in addition make an annual report to the Senate on advice sought and given.

#### SYDNEY UNIVERSITY PRESS

1. There shall be within the University the Sydney University Press.

2. The objects of the Sydney University Press shall be to undertake the publication of works of learning and to carry on the business of publication of such works in all its branches.

3. (1) The Board of the Sydney University Press shall consist of seven members appointed in accordance with subsection (2).

(2) The members of the Board shall be appointed by the Senate from time to time for such term of appointment as the Senate determines provided that no member shall be appointed for a term of longer than five years at the one appointment.

(3) The Senate shall from time to time designate one of the members appointed Chairman and one Deputy Chairman.

4. Subject to the direction and control of the Senate the Board shall supervise the financial, administrative and other business of the Sydney University Press.

5. (1) A meeting of the Board shall be convened by direction of the Chairman or on the requisition of any two members addressed to the Secretary. The meeting shall be convened by written notice from the Secretary at least three days before the meeting, specifying the time and place of the meeting.

(2) At a meeting of the board three shall form a quorum.

(3) In the absence of the Chairman the Deputy Chairman shall preside. In the absence of the Chairman and Deputy Chairman a member elected for the meeting shall preside.

(4) The presiding officer shall have a vote and in case of equality of votes a casting vote.

6. (1) The Board may from time to time recommend that the Senate appoint a Director and other staff who shall have such duties as the Board from time to time assign.

- (2) Any person appointed as Director of the Sydney University Press shall be *ex officio* Secretary to the Board.
- (3) The Director or any other paid member of the staff of the Sydney University Press shall not at the same time be a member of the Board.
7. (1) The funds of the Sydney University Press shall consist of such sums as the Senate may from time to time designate for the purpose together with such moneys as are received by the University as a result of the activities of the Sydney University Press.
- (2) As soon as practicable after the close of each year a statement of income and expenditure for the preceding twelve months ending 31st December together with a Balance Sheet as at that date shall be submitted to the Board.
8. The Board shall as soon as practicable after the close of each year lay before the Senate a report on the activities of the Board for the preceding twelve months ending 31st December.

### LOST PROPERTY

The Senate has made the following resolutions relating to lost property:

1. Lost property handed in to the University will be held for three months from the date of its finding after which time the University may dispose of the property.
2. The University may for the time being dispose of lost property handed in to the University in the following ways:
  - (a) All items except books or cash may either be given to a recognised University club or society to be disposed of at a disposal sale or auction, or disposed of in like manner by the University, as often as is deemed practicable by the Registrar, and any profits from such sale or auction, be donated to a charity approved by the Vice-Chancellor;
  - (b) all books may be sent to the Library and retained or destroyed at the discretion of the librarian;
  - (c) all cash may be donated to a charity approved by the Vice-Chancellor.
3. Any person who becomes aware of his property having been handed into the University may claim such property and on producing reasonable evidence of ownership will have the property returned to him. If the property has been sold the amount which has been realised by the sale will be paid by the University to the owner in lieu of the property.
4. The University will publish within the University and in a daily metropolitan newspaper at least 14 days before any proposed sale or auction, a notice giving details of the sale or auction.
5. The Vice-Chancellor will consult with the President of the Students' Representative Council and such other persons he considers necessary before determining the charity to be paid the profits.

### SAFETY POLICY

This University recognises the need to accept, and does accept, its responsibility towards the safety and health of its staff and students in their work.

It is the policy of this University to exert every effort to reduce the number of accidents which occur within the University and, if possible, to eliminate all such accidents and consequent suffering, hardship and loss involved.

Each head of department and any officer who has staff or students under his control shall be responsible for their safety.

To ensure that this policy is carried out the University will:

- (1) Provide and maintain safe and healthy working conditions for its staff and students.
- (2) Observe and implement the relevant Acts and Regulations.
- (3) Promote safety and health in all its activities by education and instruction.
- (4) Insist on all staff and students observing safety and health rules and regulations.
- (5) Take disciplinary action against any member of staff or student who, by refusal or neglect, fails to observe safety or health requirements.
- (6) Encourage each person in the University to regard accident prevention as his individual responsibility.
- (7) Require that each head of department will formulate appropriate safety rules for his department and will appoint a departmental safety officer.
- (8) Indemnify departmental safety officers against claims made against them in respect of acts or omissions committed while acting as such Safety Officers (other than claims for which they would be liable for if they had not been appointed).

### CONTROL OF TRAFFIC WITHIN THE UNIVERSITY

#### Preamble

University grounds are private property. It is a privilege to bring a vehicle into the grounds. These Resolutions control that privilege.

For the purpose of these Resolutions 'main campus' means that area of the University grounds situated between Parramatta Road and City Road and 'Darlington campus' means that area situated in Darlington.

#### Entry

1. Vehicles may not enter the University grounds other than as provided for in these Resolutions.
2. (1) Vehicles bearing a current permit issued in accordance with Resolution 7 may be admitted to the grounds in accordance with these Resolutions by the Security Patrol Officers and Gatekeepers.
- (2) Vehicles, not bearing permits, whose entry has been previously arranged with the Bursar may be permitted to enter and shall proceed and be parked in accordance with instructions given by the Security Patrol Officers and Gatekeepers and as controlled by Resolution 8 (Casual visitors).
- (3) Service and delivery vehicles may be admitted to the grounds at the discretion of the Security Patrol Officers and Gatekeepers, and may remain therein only for the minimum period required for the provision of services and delivery of goods.
- (4) Taxi cabs carrying or summoned to collect passengers may be permitted to enter the grounds.

#### Restricted entry—motor cycles and motor scooters

3. (1) Motor cycles and motor scooters shall not be permitted to enter the main campus by the University Avenue gate but may enter by the Ross Street, City Road or Western Avenue gate for the purpose only of parking in one of the special areas provided for motor cycles and motor scooters adjacent to the gate of entry.

(2) Motor cycles and motor scooters shall not be permitted to enter the Darlington campus except for the purpose of being parked in the special area provided for motor cycles and motor scooters at the corner of Darlington Road and Codrington Street.

(3) Subject to Resolutions 3 (1) and (2), motor cycle and motor scooter traffic shall be prohibited within the University grounds.

#### **Entry prohibited**

4. Notwithstanding any other provisions contained in these Resolutions, the Security Patrol Officers and Gatekeepers shall be authorised to refuse entry to any vehicle.

#### **Speed limit**

5. The speed limit within the grounds shall be 25 k.p.h.

#### **Parking**

6. (1) Subject to Resolution 6 (4), vehicles bearing a current yellow permit which is not crossed with a black line may—

- (a) enter the main campus and be parked therein only in areas designated as unrestricted parking areas by signs and / or road markings and
- (b) enter the Darlington campus and be parked therein only in areas designated for Visitors' Parking (in accordance with the designated time limit).

(2) Subject to Resolution 6 (4), vehicles bearing a current yellow permit which is crossed with a black line may—

- (a) enter the Darlington campus and be parked therein only in areas designated as unrestricted parking areas by signs and / or road markings and
- (b) enter the main campus and be parked therein only in areas designated for Visitors' Parking (in accordance with the designated time limit).

(3) Subject to Resolution 6 (4), vehicles bearing a current purple permit may enter the Darlington campus only and be parked therein only in areas designated as unrestricted parking areas by signs and / or road markings.

(4) Between the hours of 3.45 pm and 6.00 am on week-days and at any time on Saturdays, Sundays or public holidays vehicles bearing a current yellow or purple permit may enter the main campus and the Darlington campus and be parked therein in areas designated as unrestricted parking areas by signs and / or road markings.

#### **Issue of permits**

7. (1) On the receipt of an application on the prescribed form and on payment of the prescribed fee the Bursar shall issue annual permits in accordance with the Table set out at the end of these Resolutions.

(2) Except in the case of a Fellow of the Senate, an applicant who is eligible for a yellow permit and whose normal place of work is other than in the main campus shall be issued with a yellow permit which is crossed with a black line.

(3) On the receipt of an application on the prescribed form, the Bursar may, in special circumstances, issue an annual or other permit to any person not otherwise provided for in this Resolution.

#### **Casual visitors**

8. (1) The Bursar may authorise entry to vehicles carrying persons, being neither members of staff nor students enrolled at the University, who have legitimate business within the University grounds. The number of vehicles authorised to enter and park under this Resolution will be limited on each day to the number of places available in parking areas reserved for visitors.

(2) A fee of \$1.00 shall be paid on the occasion of each entry of a vehicle permitted to enter the grounds under this Resolution.

(3) Vehicles admitted under this Resolution may be parked only in Visitors' Parking areas.

(4) The entry fee of \$1.00 shall not apply between the hours of 6.00 pm and 6.00 am on week-days or at any time on Saturdays, Sundays or Public Holidays.

#### **Conference parking**

9. The Bursar may authorise persons attending conferences within the University to park within the University grounds during the conference on payment of the entry fee referred to in Resolution 8. Such permits shall be limited to the number of vehicles the University can accommodate at the particular time and shall be issued only to the organisers of the conference through whom individuals must apply.

Vehicles admitted under this Resolution may not be parked in areas reserved for visitors' vehicles or any other specified class of vehicle.

#### **Permits—conditions of issue**

10. Subject to Resolution 12, the permit issued under the provisions of Resolution 7 shall be affixed, in accordance with the instructions accompanying the permit, on the inside of the upper or lower corner of the driver's side of the windscreen or at the top or bottom of the middle of the windscreen of the vehicle for which it is issued and shall not be valid unless so affixed.

11. Subject to Resolution 12, the permit shall not be transferable.

12. (1) A person who is eligible to hold a permit and who uses two vehicles may purchase, for an additional \$10 per annum, a portable permit to enable such approved vehicles to enter and be parked in the University grounds, provided that only one such vehicle shall enter and be parked in the grounds at the one time.

(2) The portable permit shall be shown on entry to the University grounds and shall be displayed prominently on the inside of the lower corner of the driver's side of the windscreen of the vehicle at all times while the vehicle is in the University grounds and shall not be valid unless so displayed.

(3) With each portable permit a distinguishing mark, as approved by the Bursar, shall be issued for each of the approved vehicles and shall be affixed, in accordance with the instructions accompanying the distinguishing mark, on the inside of the lower corner of the driver's side of the windscreen of the vehicle.

13. The permit shall remain the property of the University and must be surrendered on demand made by the Bursar.

14. A replacement permit shall be issued only on the production of the original permit or clear evidence that the original has been removed and destroyed.

15. The University shall accept no liability for any damage to or loss of property, or for injury to persons, occasioned within the University grounds in conse-

quence of a vehicle being permitted to enter the University grounds.

16. A recommendation of the Director of the Student Health Service shall be obtained in determining the eligibility of an applicant under Resolution 7 (1) (xi).

17. An applicant for a permit to enter or park within the University grounds shall state—

- (i) his name, residential address, and status, and
- (ii) the name of the owner, the make and registered number of the vehicle, and may be required to produce his driver's licence, certificate of registration, and/or authority to attend classes.

18. (1) An annual permit shall be valid for one year from the first day of July in the year of issue.

(2) Permits may be issued for periods of less than one year, at a reduced rate related to the annual fee, as approved by the Bursar.

18A. (1) Members of staff who are eligible for a permit may alternatively be provided on request with a book of ten gate entry tickets one of which must be surrendered to the gatekeeper on each occasion that they bring their approved vehicle onto the grounds on weekdays.

(2) Ticket books will be inscribed with the registration number(s) of the approved vehicle(s), and may only be used for those vehicles, in general accordance with the provisions relating to portable permits in Resolutions 11 and 12.

(3) Books of tickets shall be valid for entry to either the main campus or the Darlington campus as specified in Resolution 6, and shall have coloured covers to correspond with the respective permit colours for those areas.

(4) Books must be displayed on the dashboard of the parked vehicle with the front cover showing the registration number of the vehicle being clearly visible.

(5) Alteration of registration numbers on covers will not be permitted; substitute books will be issued by the Parking Office on application.

(6) Books of tickets sold to eligible staff as a substitute for the appropriate permit will be priced \$10 each.

(7) Books of tickets sold to other persons approved by the Bursar to allow entry for a specified period will be priced at \$10 for each book.

#### **Penalties and observance of Senate resolutions**

19. (1) All persons bringing vehicles into the University grounds or parking therein shall observe these Resolutions controlling traffic within the university.

(2) An alleged breach of these Resolutions involving a vehicle bearing a permit shall be notified to the permit holder by either—

- (a) the placing of a notice of breach under the windscreen wiper of the vehicle

or

- (b) a letter from the Bursar, giving details of the alleged breach and requiring the permit holder to present a written explanation to the Bursar within twenty-eight (28) days of the receipt of the notification which shall be deemed to have been received when—

- (i) it is placed on the vehicle

or

- (ii) in the normal course of postage it would have been received when posted to the address of the permit holder last notified to the Bursar.

(3) An alleged breach of these Resolutions involving a vehicle not bearing a permit shall be notified to the owner or driver by either—

- (a) the placing of a notice of breach under the windscreen wiper of the vehicle

or

- (b) a letter from the Bursar, giving details of the alleged breach and requiring the permit holder to present a written explanation to the Bursar within twenty-eight (28) days of the receipt of the notification which shall be deemed to have been received when—

- (i) it is placed on the vehicle

or

- (ii) in the normal course of postage it would have been received when posted to the last known address of the owner of the vehicle.

(4) If an explanation is not received within the prescribed period or if the explanation is not acceptable, the Bursar shall record a breach of these Resolutions and shall advise the permit holder accordingly.

(5) On a second recorded breach, if within twelve (12) months of the first recorded breach, the permit shall be withdrawn for a period of three (3) months from the date of the Bursar's letter notifying the permit holder of the recording of the second breach.

(6) On a third or subsequent recorded breach, if within twelve (12) months of the first recorded breach the permit shall be withdrawn for a period of six (6) months from the date of the Bursar's letter notifying the permit holder of the recording of the third or subsequent breach.

(7) A permit holder shall be deemed responsible for all breaches of these Resolutions involving the vehicle bearing the permit issued to him, whether or not he was the driver when the breach was committed.

(8) Any person who, without authority, brings a vehicle into the University grounds may be subjected to legal action.

(9) A person, not being a permit holder, who commits a breach of these Resolutions may be declared by the Vice-Chancellor to be ineligible for the issue of a permit or for entry to the grounds for a specified or indefinite period notwithstanding his current or future eligibility in terms of Resolutions 7, 8 or 9.

(10) A student, not being a permit holder, who commits a breach of these Resolutions may become subject to disciplinary proceedings under Chapter XXXVII of the By-laws.

#### **Signs and directions**

20. Drivers of vehicles in the University grounds shall obey traffic signs and instructions of the Security Patrol Officers.

21. Angle parking wherever permitted shall be rear to kerb:

#### **General**

22. The term 'the Bursar' where it appears in these Resolutions shall be deemed to include those members of the administrative staff authorised by him to act on his behalf.

Applicant	Class of permit	Prescribed fee per annum
(i) Fellows of the Senate of the University	Yellow	Nil
(ii) Full-time permanent members of the academic or senior administrative staff of the University	Yellow	\$60
(iii) Full-time members of staff of the University who have been employed, if graduates, for two years	Yellow	\$60
(iv) Full-time members of staff of the University who have been employed for six years	Yellow	\$60
(v) Full-time members of staff of the University who are regularly required to work abnormal hours (but not including normal shift-work or overtime) at times when public transport is not reasonably available	Yellow	\$60
(vi) All other full-time and part-time members of staff	Purple	\$60
(vii) Postgraduate students who have successfully completed not less than six full-time academic years or the equivalent thereof	Purple	\$48
(viii) Undergraduate students for whom it is necessary to attend evening classes	Purple (valid from 3.45 pm)	\$48
(ix) Staff and students not otherwise eligible for a permit who for duly certified medical reasons are permitted to park their vehicles in the grounds (see Resolution 16)	Yellow	Nil

**Notes:**

- (1) The fee is reduced by 10 per cent provided the fee is paid in full by no later than 31 May.
- (2) Payments may be made by payroll deductions according to a schedule approved by the Bursar, commencing from the first pay period after the date of the issue of the permit, and ending at the first payday following the date of the surrender of the permit to the Parking Office. No reductions or rebates are allowed for fees paid by payroll deduction.
- (3) Staff paying fees by payroll deduction are not required to make annual application for a permit and will be issued with a new permit on 1 July each year for so long as they are eligible for a permit and continue to authorise payroll deductions for the specified amount. In the event that payment of fees by payroll deductions is terminated by the staff member for a period of less than 6 months, a re-establishment fee equivalent to 25 per cent of the annual fee will be charged to resume payment by payroll deductions.
- (4) A refund of 25 per cent for each full quarter is payable in respect of a permit cancelled prior to 30 June.
- (5) The fee is reduced by 25 per cent for each full quarter that it is taken out after 1 July.

**CENTRE FOR CONTINUING EDUCATION**

1. There shall be a Centre for Continuing Education whose functions shall be determined from time to time by the Senate.

2. In these Resolutions, Continuing Education shall mean any form of education, whether vocational or general (but not including programmes leading to a degree or diploma), that is undertaken after an interval following the end of initial continuous education.

3. The work of the Centre shall include—  
the Discussion Groups Scheme, Special Discussion courses, the *Current Affairs Bulletin*, radio and television programmes prepared within the Centre and any other external activities consistent with 2. above; all forms of co-operation with the University's own Departments that may need administrative assistance in organising courses, lectures, seminars or tutorials within the meaning of the definition of continuing education in 2.

4. The Centre shall, not later than the month of May in each year, lay before the Senate a report for the preceding calendar year.

5. (1) The Centre shall have an Advisory Committee consisting of the Vice-Chancellor and Principal, the Deputy Vice-Chancellors, the Registrar, the Bursar, the Director of the Centre (if there be one) and the following persons to be appointed by Senate: (a) four members of the full-time permanent staff of the Centre nominated by the full-time permanent staff of the Centre, of whom at least two shall be members of the academic staff of the Centre and at least one shall be a member of the non-academic staff of the Centre; (b) three members of the academic staff of the University nominated by the Academic Board; (c) one student nominated by the Sydney

University Students' Representative Council; (d) one student nominated by the Sydney University Postgraduate Representative Association; and (e) four other persons appointed by Senate to represent the range of work of the Centre.

(2) All full-time permanent members of staff who have been assigned to the Centre by the Vice-Chancellor and Principal shall be eligible to participate in a ballot, conducted by the Registrar, for the nomination of the four members of staff referred to in Resolution 5 (1) (a).

6. The first appointment of the Advisory Committee shall be made by the Senate as soon as practicable after the repeal of the Resolutions of the Senate relating to the Board of Adult Education, and shall be made annually in April by the Senate thereafter.

7. (1) Subject to Resolution 7 (2), members appointed to the Advisory Committee shall hold office from the date of their appointment until the next annual appointment of the Advisory Committee.

(2) A person shall cease to hold office in the event of ceasing to hold the qualification which made the person eligible for appointment.

8. Any casual vacancy may be filled by a like method of appointment to that employed for the relevant category of appointment and the person so appointed shall hold office for the balance of the term of the person who is replaced.

9. (1) The Advisory Committee shall be convened by the Vice-Chancellor and Principal or a Deputy Vice-Chancellor and shall meet at least once a term to advise on matters referred to it by the Senate, the Vice-Chancellor and Principal or the Director.

(2) At any meeting of the Advisory Committee six members shall form a quorum.



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# Foundations

<b>University foundations</b>	<b>413</b>
<b>Bequests and endowments</b>	<b>421</b>
<b>Sponsored and endowed lectureships</b>	<b>436</b>



The University has established some twenty-five foundations. These provide opportunities for closer community contact and co-operation in areas of special interest. *Outlines of the objectives of these foundations follow.*

## Accounting and Finance Foundation

On 2 August 1982 the Senate approved the constitution of the Accounting and Finance Foundation within the University of Sydney on the recommendation of an inaugural meeting held on 26 July 1982.

The objectives of the Foundation are to assist the Senate and the Vice-Chancellor on matters associated with the study of accounting and finance by co-operating with industry, commerce and the accounting profession to promote excellence in all fields of accounting and finance in Australia and, without restricting the generality of the foregoing, in particular to—

- (a) work in close co-operation with commerce and industry and the accounting profession, bringing together the co-ordinated skills of the various branches of the accounting and finance disciplines;
- (b) provide financial support for the Accounting Research Centre in furtherance of the aims as set out in the Constitution of the Centre;
- (c) assist in bringing to the Centre as 'Visiting Fellows' stimulating persons of outstanding achievement in order that they may influence practice and research in accounting and finance in Australia;
- (i) A Visiting Fellow may be from abroad or from Australia and may be in an academic career or within the accounting profession.
- (ii) A Visiting Fellow shall normally be appointed for a maximum period of 6 months, but a longer appointment may be made.
- (d) arrange a series of annual lectures to be known as the 'R. J. Chambers Research Lectures in Accounting';
- (e) provide an organisation and a mechanism to assist accountants from the University to work in practice and vice versa, to enable a widening of experience and skills by both parties and to assist, where appropriate, accountants from Australia to study a particular problem abroad;
- (f) provide scholarships to be known as the R. J. Chambers Research Scholarships where appro-

priate to assist candidates enrolled for a degree majoring in accounting or finance in the University; and

(g) do all such things as are incidental to or conducive to the attainment of the above objects or any of them.

## Australian Language Research Centre

On 2 November 1964 the Senate of the University ratified the constitution of the Australian Language Research Centre within the University.

The objects of the Centre are to promote historical and descriptive studies of the English Language in Australia and without restricting the generality of the foregoing, in particular to—

- (a) promote, foster, develop and assist, within the Department of English of the University of Sydney, historical and descriptive studies of Australian English;
- (b) recommend grants to the Department of English for the purchase of plant, equipment and materials or otherwise for the promotion of studies of the English Language in Australia from funds raised by the Centre by way of fees, donations and the like;
- (c) admit to membership of the Centre persons, firms, companies, and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (d) recommend, arrange and sponsor the printing of publications and the issue thereof to members of the Centre and others;
- (e) arrange for lectures, exhibitions and demonstrations;
- (f) assist the University to acquire and turn to account patents, patent rights of inventions, copyright designs, trade-marks or secret processes;
- (g) assist in arranging visits from abroad of experts in the English language;
- (h) enter into any arrangement with any institution or association having objects similar to those of the Centre;
- (i) solicit donations, gifts and bequests to the University of Sydney for Australian language research from members of the public; and
- (j) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

## Birth Defects Foundation

On 7 November 1983 the Senate approved the establishment of the University of Sydney Birth Defects Foundation.

The objects of the Foundation as set out in clause 3 of its constitution are to advise the Senate of the University of Sydney and the Vice-Chancellor on matters associated with birth defects and, without restricting the generality of the foregoing, in particular to:

- (a) promote, foster, develop and assist within the University of Sydney and elsewhere the study of the causes and prevention of birth defects;
- (b) assist in arranging visits of experts in birth defects from within Australia and overseas;
- (c) admit to membership of the Foundation, persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (d) recommend the printing and purchase of publications and the issue thereof to members of the Foundation and others;

- (e) promote seminars, courses, workshops and the like at which visiting scientists, academic staff and students may present papers, give lectures, demonstrations etc., concerning their work to enable their information, skills and influence to spread to a larger number of people;
- (f) solicit from members of the public, donations, gifts and bequests to the University of Sydney for Birth Defects Studies;
- (g) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

#### **Chemical Engineering Foundation**

On 3 August 1981 the Senate of the University approved the constitution of the Chemical Engineering Foundation within the University. The inaugural meeting was held on 15 July 1981. The first meeting of the Council was held on 14 September 1981.

The objects of the Foundation as set out in clause 3 of the constitution are to assist the Senate of the University of Sydney and the Vice-Chancellor on matters associated with education, study and research in chemical engineering within the University of Sydney and, without restricting the generality of the foregoing, in particular to:

- (a) foster good communications between industry and commerce and the Department of Chemical Engineering;
- (b) advise on courses of instruction in chemical engineering;
- (c) encourage students of high calibre to work in the department;
- (d) assist graduates in chemical engineering to make appropriate contributions to industry; and
- (e) facilitate and develop research in chemical engineering with particular reference to industry-oriented projects.

#### **Civil and Mining Engineering Foundation<sup>1</sup>**

On 1 April 1968 the Senate of the University ratified the constitution of the Postgraduate Civil Engineering Foundation within the University. The first meeting of the Council of the Foundation was held on 23 April 1968.

On 6 October 1981 the Senate approved amendments of the constitution to change the name, objects and composition of the Foundation to take account of the amalgamation of the Departments of Civil and Mining Engineering into the School of Civil and Mining Engineering.

The objects of the Foundation, as set out in clause 3 of its constitution, are to assist the Senate of the University of Sydney and the Vice-Chancellor on matters associated with postgraduate education, study and research in civil engineering and in mining engineering in the School of Civil and Mining Engineering within the University of Sydney and, without restricting the generality of the foregoing, in particular to:

- (a) co-operate with the School of Civil and Mining Engineering, the Civil Engineering Graduates Association and the Mining Engineering Graduates Association in furtherance of postgraduate education and research;
- (b) recommend grants to the School of Civil and Mining Engineering for the purchase of plant, equipment and materials, or otherwise, for the promotion of postgraduate education and research, from funds raised by the Foundation by way of fees, donations and the like;

- (c) admit to membership of the Foundation persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (d) recommend the printing of publications and the issue thereof to members of the Foundation and others;
- (e) arrange for lectures, exhibitions and demonstrations;
- (f) assist in arranging visits from abroad of specialists;
- (g) subject to the concurrence of the Vice-Chancellor, enter into any arrangement with any institution or association having objects similar to those of the Foundation;
- (h) solicit donations, gifts and bequests to the University of Sydney for the School of Civil and Mining Engineering from members of the public;
- (i) foster co-operation in postgraduate engineering and research between industry and the School of Civil and Mining Engineering;
- (j) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

#### **Dairy Husbandry Research Foundation**

On 1 April 1958 the Senate of the University ratified the constitution of the Dairy Husbandry Research Foundation within the University. The inaugural meeting was held on 16 April 1959.

The objects of the Foundation as set out in clause 3 of its constitution are to advise the Senate of the University and the Vice-Chancellor on matters associated with dairy husbandry research within the University and, without restricting the generality of the foregoing, in particular to—

- (a) promote, foster, develop and assist dairy husbandry research in the Department of Animal Husbandry within the University of Sydney;
- (b) co-operate with the Department of Animal Husbandry in furtherance of dairy husbandry research;
- (c) recommend grants to the Department of Animal Husbandry for the purchase of plant, equipment and materials, or otherwise, for the promotion of dairy husbandry research, from funds raised by the Foundation by way of fees, donations and the like;
- (d) admit to membership of the Foundation, persons, firms, companies, and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (e) recommend the printing of publications and the issue thereof to members of the Foundation and others;
- (f) arrange for lectures, exhibitions and demonstrations;
- (g) assist the University to acquire and turn to account patents, patent rights or inventions, copyright designs, trade-marks or secret processes;
- (h) assist in arranging visits from abroad of experts in dairy husbandry;
- (i) enter into any arrangement with any institution or association having objects similar to those of the Foundation;
- (j) solicit donations, gifts and bequests to the University of Sydney for the Department of Animal Husbandry from members of the public; and
- (k) do all such things as are incidental or con-

<sup>1</sup> Formerly the Postgraduate Civil Engineering Foundation.

ducive to the attainment of the above objects or any of them.

The Foundation raises the funds to further its aims and objects by annual subscription from its members, limited to 50, and by gifts and donations.

#### **Dental Health Education and Research Foundation**

On 5 March 1962 the Senate approved the establishment of a Dental Health Education and Research Foundation. The Foundation is also known as the Dental Health Foundation — Australia.

The objects of the Foundation are to assist the Senate of the University and the Vice-Chancellor on matters associated with the promotion of education, study, work, and research relating to dental health and the advancement of the art and science of dentistry, and in particular to—

- (a) co-operate with the University and in particular the Faculty of Dentistry for the improvement of the dental health of the community through public education, postgraduate education, and research into the problems of dental health;
- (b) assist dental graduates and undergraduates in obtaining further training to better equip them to undertake research;
- (c) recommend the printing of publications and the issue thereof to members of the Foundation and others;
- (d) arrange lectures, exhibitions and demonstrations or the like;
- (e) admit to membership persons, firms, companies, institutions, and organisations whether incorporated or unincorporated and upon such terms and with such privileges as may be determined by the Foundation from time to time;
- (f) enter into any arrangement with any institution or organisation which has objects similar to those of the Foundation;
- (g) solicit donations, gifts, or bequests to the University of Sydney from members of the dental profession, the general public and any other source deemed appropriate for the promotion of the objects of the Foundation; and
- (h) do all such things as are incidental or conducive to the attainment of the above objects.

#### **Earth Resources Foundation**

On 6 September 1976 the Senate approved the establishment of the Earth Resources Foundation.

The objects of the Foundation, as set out in clause 3 of its constitution, are to advise the Senate of the University and the Vice-Chancellor on matters associated with education, study and research in earth resources in the Department of Geology and Geophysics within the University, and without restricting the generality of the foregoing, in particular to promote, develop and assist education, study and research in geology and geophysics in the Department of Geology and Geophysics generally, and especially foster—

- (a) research into Australian sedimentary basins with potential to yield economic accumulations of fossil hydrocarbons;
- (b) research into the origin and nature of occurrence of ore bodies in Australia;
- (c) research into geophysical and geochemical techniques relating to the exploration for mineral deposits and fossil hydrocarbons;

The objects may be achieved by—

- (a) co-operating with the Department of Geology and Geophysics in furtherance of these ends;

(b) recommending grants to the Department of Geology and Geophysics for the purchase of plant, equipment and materials or otherwise, for the promotion of earth resources research, from funds raised by the Foundation by way of fees, donations and the like;

(c) admitting to membership of the Foundation, persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;

(d) recommending the printing of publications and the issue thereof to members of the Foundation and others;

(e) arranging for lectures, exhibitions and demonstrations;

(f) assisting the University to acquire and turn to account patents, patent rights or inventions, copyright designs, trade-marks or secret processes;

(g) assisting in arranging visits from abroad of experts in earth resources;

(h) entering into any arrangement with any institution or association having objects similar to those of the Foundation;

(i) soliciting from members of the public donations, gifts and bequests to the University of Sydney to foster the objectives of the Foundation;

(j) doing all such things as are incidental or conducive to the attainment of the above objects or any of them.

The Foundation raises the funds to further its aims and objectives by annual subscription from its members, and by gifts and donations.

#### **Electrical Engineering Foundation**

On 1 August 1983 the Senate approved the establishment of the Electrical Engineering Foundation.

The objects of the Foundation as set out in clause 3 of its constitution, shall be to assist the Senate of the University of Sydney and the Vice-Chancellor on matters associated with education, study and research in electrical engineering within the University of Sydney and, without restricting the generality of the foregoing, in particular to:

- (a) foster good communications between industry and commerce and the School of Electrical Engineering;
- (b) advise on courses of instruction in electrical engineering;
- (c) encourage students of high calibre to work in the School;
- (d) assist graduates in electrical engineering to make appropriate contributions to industry; and
- (e) facilitate and develop research in electrical engineering with particular reference to industry-oriented projects.

#### **Foundation for Inorganic Chemistry within the University of Sydney**

On 2 July 1973 the Senate of the University ratified the constitution of the Friends of the Inorganic Chemistry Department of the University of Sydney.

The name of the Foundation was changed to its present style on 7 April 1975.

The objects of the Foundation are to assist the Senate of the University of Sydney and the Vice-Chancellor and Principal on matters associated with education, study and research in Inorganic Chemistry in the School of Chemistry within the University of

Sydney and without restricting the generality of the foregoing, in particular to:

- (a) co-operate with the School of Chemistry in promotion of education, study and research in Inorganic Chemistry;
- (b) recommend grants to the School of Chemistry for the promotion of visits to the University of Sydney by scholars, teachers and research workers from other institutions;
- (c) recommend grants to the School of Chemistry to assist visits by scholars, teachers and research workers from the University of Sydney to other institutions and to scientific conferences where such visits are directly related to education, study and research in Inorganic Chemistry;
- (d) admit to membership of the Foundation, persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (e) recommend the printing of publications and the issue thereof to members of the Foundation and others;
- (f) arrange for lectures, exhibitions and demonstrations;
- (g) solicit donations, gifts and bequests for the promotion of education, study and research in Inorganic Chemistry, in the School of Chemistry;
- (h) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

#### **Frederick May Foundation for Italian Studies**

On 7 June 1976 the Senate approved the establishment of the Frederick May Foundation for Italian studies.

The objects of the Foundation, as set out in clause 3 of its constitution, are to advise the Senate of the University and the Vice-Chancellor on matters associated with Italian studies and, without restricting the generality of the foregoing, in particular to:

- (a) promote, foster, develop and assist the study of the Italian language and culture within the University of Sydney and elsewhere;
- (b) co-operate with the Department of Italian in furtherance of Italian studies at tertiary and pretertiary level;
- (c) recommend grants to the Department of Italian for the purchase of equipment and materials, or otherwise, for the promotion of Italian studies, from funds raised by the Foundation by way of fees, donations and the like;
- (d) admit to membership of the Foundation, persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (e) recommend the printing and / or purchase of publications and the issue thereof to members of the Foundation and others;
- (f) arrange for lectures, exhibitions, performances, etc.;
- (g) assist in arranging visits of experts in Italian language and culture from within Australia and overseas;
- (h) enter into any arrangement with any institution or association having objects similar to those of the Foundation;
- (i) solicit donations, gifts and bequests to the University of Sydney for Italian studies from members of the public;
- (j) do all such things as are incidental or con-

ducive to the attainment of the above objects or any of them.

The Foundation raises the funds to further its aims and objectives by annual subscription from its members, and by gifts and donations.

#### **Medical Foundation<sup>1</sup>**

The constitution of the Medical Foundation was ratified by the Senate on 7 July 1958.

The objects of the Foundation, as set out in clause 3 of its constitution, are to assist the Senate of the University and the Vice-Chancellor on matters associated with the promotion of postgraduate education, study, work, and research in medicine and the advancement of the art and science of medicine, and in particular to—

- (a) co-operate with the Postgraduate Committee in Medicine and the Faculty of Medicine in the furtherance of postgraduate education and research in medicine;
- (b) support the Postgraduate Committee in its public relations in the promotion of these objects;
- (c) admit to membership of the Foundation persons, firms, companies, institutions, and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined by the Foundation from time to time;
- (d) enter into any arrangement with any institution or organisation which has objects similar to those of the Foundation;
- (e) solicit donations, gifts and bequests to the University of Sydney from members of the public for the promotion of the objects of the Foundation; and
- (f) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

#### **Melanoma Foundation**

On 3 September 1984 the Senate approved the establishment of the Melanoma Foundation.

The objects of the Foundation, as set out in clause 3 of its constitution shall be to advise the Senate of the University of Sydney and the Vice-Chancellor on matters associated with malignant melanoma and cancer of the skin and, without restricting the generality of the foregoing, in particular to promote, develop and assist the research and clinical work of the Melanoma Unit in the Department of Surgery within the University of Sydney and in the Royal Prince Alfred Hospital.

For the purpose of attaining its objects the Foundation may:

- (a) promote, foster, develop and assist within the University of Sydney and elsewhere the study of the causes and prevention of malignant melanoma and cancer of the skin;
- (b) assist in arranging visits of experts in the study and treatment of melanoma from within Australia and overseas;
- (c) admit to membership of the Foundation, persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (d) recommend the printing and purchase of publications and the issue thereof to members of the Foundation and others;
- (e) promote seminars, courses, workshops and the like at which visiting scientists, academic staff

<sup>1</sup> Formerly the Postgraduate Medical Foundation.

and students may present papers, give lectures, demonstrations etc., concerning their work to enable their information, skills and influence to spread to a larger number of people;

- (f) solicit from members of the public, donations, gifts and bequests to the University of Sydney to foster the objectives of the Foundation;
- (g) enter into such arrangements or association with the Centenary Institute of Cancer Medicine and Cell Biology as the Senate may approve;
- (h) do all such things as are incidental or conducive to the attainment of the objects of the Foundation or any of them.

#### **Near Eastern Archaeology Foundation**

On 3 June 1985 the Senate approved the establishment of the Near Eastern Archaeology Foundation.

The objects of the Foundation, as set out in clause 3 of its constitution, shall be to assist the Senate of the University of Sydney and the Vice-Chancellor on matters associated with the promotion of research and scholarship in the Archaeology of Cyprus and the Near East within the University of Sydney, and without restricting the generality of the foregoing, in particular to foster such research and scholarship within the Department of Archaeology.

The objects may be achieved by:

- (a) admitting to membership of the Foundation, persons, firms, companies and associations, whether incorporated or unincorporated, upon such terms and with such privileges, as may be determined from time to time;
- (b) soliciting from members of the public, donations, gifts and bequests to the University of Sydney to foster the objectives of the Foundation;
- (c) recommending grants to support research and teaching, for the purchase of plant, equipment and materials, for the provision of scholarships and travelling allowances from funds obtained by the Foundation by way of fees, donations and the like;
- (d) assisting in arranging visits of scholars to and from overseas;
- (e) recommending the printing of publications and reports and the issue thereof to members of the Foundation and others;
- (f) arranging for lectures, exhibitions, workshops and the like;
- (g) doing all such things as are incidental or conducive to the attainment of the above objects or any of them.

#### **Nutrition Research Foundation**

On 5 March 1979 the Senate approved the establishment of the Nutrition Research Foundation.

The objects of the Foundation, as set out in clause 3 of its constitution, are to advise the Senate of the University and the Vice-Chancellor on matters associated with research in human nutrition within the University, in particular to:

- (a) encourage, foster and support research in human nutrition in the Human Nutrition Unit of the Department of Biochemistry and the Commonwealth Institute of Health within the University of Sydney generally;
- (b) support research scholars working in the field of human nutrition within the University of Sydney; and
- (c) improve public education in the field of human nutrition by interpreting and communicating the results of research into human nutrition in Australian conditions.

These objects may be achieved by:

- (a) co-operating with the Human Nutrition Unit of the Department of Biochemistry in furtherance of these ends;
- (b) recommending grants to the Human Nutrition Unit of the Department of Biochemistry for the purchase of equipment, for the provision of scholarships and for the promotion of research, from funds raised by the Foundation by way of fees, donations and the like;
- (c) admitting to membership of the Foundation persons, firms, companies and associations, whether incorporated or unincorporated, upon such terms and with such privileges as may be determined from time to time;
- (d) recommending the printing of publications and the issue thereof to members of the Foundation and others;
- (e) arranging for lectures, exhibitions and research workshops;
- (f) assisting research workers to further their training by working for a period in leading overseas nutrition research centres;
- (g) soliciting from members of the public donations, gifts and bequests to the University of Sydney to foster the objectives of the Foundation;
- (h) doing all such things as are incidental or conducive to the attainment of the above or any of them.

#### **Peripheral Nerve Research Foundation**

On 4 February 1985 the Senate approved the establishment of the Peripheral Nerve Research Foundation.

The objects of the Foundation, as set out in clause 3 of its constitution, shall be to advise the Senate of the University of Sydney and the Vice-Chancellor on matters associated with peripheral nerve research and, without restricting the generality of the foregoing, in particular to:

- (a) promote, foster, develop and assist within the University of Sydney and elsewhere the study of the causes and prevention of peripheral nerve disease;
- (b) assist in arranging visits of experts in peripheral nerve disorders from within Australia and overseas;
- (c) admit to membership of the Foundation, persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (d) recommend the printing and purchase of publications and the issue thereof to members of the Foundation and others;
- (e) promote seminars, courses, workshops and the like at which visiting scientists, academic staff and students may present papers, give lectures, demonstrations etc., concerning their work to enable their information, skills and influence to spread to a larger number of people;
- (f) solicit from members of the public, donations, gifts and bequests to the University of Sydney for studies of peripheral nerve diseases and injuries;
- (g) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

#### **Pharmacy Practice Foundation**

On 3 July 1978 the Senate ratified the constitution of the Pharmacy Practice Foundation within the University of Sydney. The inaugural meeting was held on 9 May 1978.

The objects of the Foundation, as set out in clause 3 of its constitution, are to advise the Senate of the University and the Vice-Chancellor on matters associated with research in pharmacy in the Department of Pharmacy within the University of Sydney, and without restricting the generality of the foregoing, in particular to promote, foster, assist and develop the practice of pharmacy by educational study and research generally, and especially:

- (a) to establish a Chair for this purpose within the Department of Pharmacy, University of Sydney;
- (b) to engage in such other activities to develop the practice of pharmacy that the Council of the Foundation may from time to time determine.

The Foundation raises the funds to further its aims and objectives by annual subscription from its members, and by gifts and donations.

#### **Planning Research Centre**

On 2 November 1964 the Senate of the University ratified the constitution of the Planning Research Centre within the University. The inaugural meeting was held on 4 November 1964.

The objects of the Centre are to advise the Senate of the University and the Vice-Chancellor on matters associated with research within the Department of Town and Country Planning, and particularly to—

- (a) collaborate with other departments within the University of Sydney, or other universities or appropriate institutions, in carrying out fundamental research into problems connected with physical planning and development;
- (b) further the general understanding of the problems of urban and rural development by bringing together, in seminars, short courses, and conferences, members of the business, professional, and academic community;
- (c) make better known, through lectures and publications, knowledge of the facts connected with urban and rural development for the assistance of those responsible at all levels of government, business, and professional activity;
- (d) solicit donations, gifts, and bequests to the University of Sydney to assist the Centre in its activities; and
- (e) undertake any additional matters in furtherance of the above objectives that the Council may from time to time decide.

#### **Postgraduate Foundation in Veterinary Science**

On 7 December 1964 the Senate approved the establishment of the Postgraduate Foundation in Veterinary Science.

The objects of the Foundation are to advise the Senate of the University and the Vice-Chancellor on matters associated with the promotion of postgraduate education, study and research in veterinary science and, in particular to—

- (a) co-operate with the Postgraduate Committee in Veterinary Science in the furtherance of postgraduate education and research in veterinary science;
- (b) support the Postgraduate Committee in Veterinary Science in its public relations in the promotion of these objects;
- (c) admit to membership of the Foundation persons, firms, companies, institutions and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined by the Foundation from time to time;

- (d) enter into any arrangement with any institution or organisation which has objects similar to those of the Foundation;
- (e) solicit donations, gifts and bequests to the University of Sydney from members of the public for the promotion of the objects of the Foundation; and
- (f) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

#### **Poultry Husbandry Research Foundation**

On 7 October 1958 the Senate of the University ratified the constitution of the Poultry Husbandry Research Foundation within the University. The inaugural meeting was held on 12 May 1959.

The objects of the Foundation, as set out in clause 3 of its constitution, are to advise the Senate of the University and the Vice-Chancellor on matters associated with poultry husbandry research within the University and, without restricting the generality of the foregoing, in particular to—

- (a) promote, foster, develop and assist poultry husbandry research in the Department of Animal Husbandry within the University of Sydney;
- (b) co-operate with the Department of Animal Husbandry in furtherance of poultry husbandry research;
- (c) recommend grants to the Department of Animal Husbandry for the purchase of plant, equipment and materials, or otherwise, for the promotion of poultry husbandry research, from funds raised by the Foundation by way of fees, donations and the like;
- (d) admit to membership of the Foundation, persons, firms, companies, and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (e) recommend the printing of publications and the issue thereof to members of the Foundation and others;
- (f) arrange for lectures, exhibitions and demonstrations;
- (g) assist the University to acquire and turn to account patents, patent rights or inventions, copyright designs, trade-marks or secret processes;
- (h) assist in arranging visits from abroad of experts in poultry husbandry;
- (i) enter into any arrangement with any institution or association having objects similar to those of the Foundation;
- (j) solicit donations, gifts and bequests to the University of Sydney for poultry husbandry research from members of the public; and
- (k) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

The Foundation raises the funds to further its aims and objects by annual subscription from its members, limited to 50, and by gifts and donations.

#### **John Power Foundation for Fine Arts**

On 1 May 1972 the Senate of the University ratified the constitution of the John Power Foundation for Fine Arts within the University. The inaugural meeting was held on 28 March 1972.

The objects of the Foundation, as set out in clause 3 of its constitution, are to advise the Senate of the University and the Vice-Chancellor on matters associated with the fine arts within the University and without



restricting the generality of the foregoing, in particular to—

- (a) promote, foster, develop and assist research and scholarship in the Power Institute of Fine Arts of the University of Sydney;
- (b) co-operate with the Power Institute of Fine Arts in order to advance the objectives of the Institute;
- (c) recommend grants to the Power Institute of Fine Arts for the purchase of plant, equipment and materials or otherwise, for the promotion of the fine arts from funds raised by the Foundation by way of fees, donations, and the like;
- (d) assist in arranging visits from abroad of distinguished artists, critics and scholars in the fine arts;
- (e) co-operate with the Power Institute of Fine Arts and other bodies in order to bring major art exhibitions to Australia which might otherwise not be shown in Australia;
- (f) admit to membership of the Foundation, persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (g) solicit donations, gifts and bequests, including gifts of works of art, both by Australian artists and artists of other countries, to the University of Sydney;
- (h) promote regular overseas visits, by students of the University of Sydney, to major art centres, exhibitions or expositions abroad;
- (i) promote good international relations for Australia in the fine arts;
- (j) enter into any arrangement with any institution or association having objects similar to those of the Foundation;
- (k) recommend the printing of publications and the issue thereof to members of the Foundation and others;
- (l) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

The Foundation raises the funds to further its aims and objects by annual subscription from its members, and by gifts and donations.

#### **Research Foundation for Information Technology**

On 3 March 1986 the Senate approved the establishment of the Research Foundation for Information Technology.

The objects of the Foundation are to advise the Senate and the Vice-Chancellor on matters associated with research in information technology in the Basser Department of Computer Science within the University, and without restricting the generality of the foregoing, to promote, develop and assist research in information technology in the Department, and especially to:

- (a) foster good communications between industry and commerce and the Basser Department of Computer Science;
- (b) advise on courses of instruction in information technology;
- (c) encourage both undergraduate and post-graduate students of high quality to work in the Department;
- (d) facilitate and develop research in information technology with particular reference to industry-oriented projects; and
- (e) conduct joint projects and investigations in

conjunction with industry, commerce, government and other community interests.

#### **Save Sight and Eye Health Institute**

On 6 May 1986 the Senate of the University approved the establishment of the Save Sight and Eye Health Institute within the Department of Clinical Ophthalmology of the University.

The objects of the Institute are to assist the Department in extending its activities and, without limiting the generality thereof, in particular in respect of:

- (a) research into visual development in infancy and childhood and factors responsible for defects in visual development;
- (b) research into disorders of the visual system including basic research and development of appropriate management of disorders of the eye and vision;
- (c) complementing the work and research within the Sydney Eye Hospital and co-operating with eye departments and research groups within N.S.W. and the A.C.T. and particularly with the Royal Alexandra Hospital for Children and the Westmead Centre of the Parramatta Hospitals;
- (d) teaching community ophthalmology including the training of family doctors and training Ophthalmologists and other health professionals concerned with eye care;
- (e) increasing community awareness of eye disorders and eye health, including printing, purchase and distribution of publications;
- (f) originating programmes of relevance to training in ophthalmology, eye care and eye health including programmes for developing countries and collaborating with the School of Public Health and Tropical Medicine situated in the University;
- (g) furthering the objectives of Lions N.S.W.-A.C.T. Save Sight Foundation and also, where relevant and appropriate to eye care, Lions Clubs N.S.W.-A.C.T. Public Health Care Foundation;
- (h) collaborating with the Royal Australian College of Ophthalmologists, the Royal Blind Society and the Australian Foundation for the Prevention of Blindness, and other bodies concerned with save sight and/or eye health; and
- (i) supporting the visits of academics and research workers from within Australia and overseas who are likely to assist the Institute in the achievement of its objectives.

#### **Science Foundation for Physics<sup>1</sup>**

On 8 June 1953 the Senate of the University ratified the constitution of the Nuclear Research Foundation within the University. The inaugural meeting was held on 11 and 12 March 1954.

On 5 September 1966 the Senate approved an amendment of the constitution to change the name of the Foundation to the Science Foundation for Physics.

The objects of the Foundation, as set out in clause 3 of its constitution, are to advise the Senate of the University and the Vice-Chancellor on matters associated with nuclear research in the School of Physics within the University and, without restricting the generality of the foregoing, in particular to—

- (a) promote, foster, develop and assist science in the School of Physics within the University of Sydney;

<sup>1</sup> Formerly The Nuclear Research Foundation.

- (b) co-operate with the School of Physics in furtherance of science;
- (c) recommend grants to the School of Physics for the purchase of plant, equipment and materials, or otherwise, for the promotion of science, from funds raised by the Foundation by way of fees, donations, and the like;
- (d) promote research into physics generally;
- (e) admit to membership of the foundation persons, firms, companies and associations, whether incorporated or unincorporated, and upon such terms and with such privileges as may be determined from time to time;
- (f) recommend the printing of publications and the issue thereof to members of the Foundation and others;
- (g) arrange for lectures, exhibitions, and demonstrations;
- (h) assist the University to acquire and turn to account patents, patent rights or inventions, copyright designs, trade-marks or secret processes;
- (i) assist in arranging visits from abroad of experts in science;
- (j) enter into any arrangement with any institution or association having objects similar to those of the Foundation;
- (k) solicit donations, gifts and bequests to the University of Sydney for the School of Physics from members of the public; and
- (l) do all such things as are incidental or conducive to the attainment of the above objects or any of them.

The Foundation raises the funds to further its aims and objectives by annual contributions from its members, limited to 100, and by gifts and donations.

#### **J. D. Stewart Veterinary Science Foundation**

On 3 March 1986 the Senate approved the establishment of the J. D. Stewart Veterinary Science Foundation.

The objects of the Foundation are to advise the Senate of the University of Sydney and the Vice-Chancellor on matters associated with learning and research in the Faculty of Veterinary Science within the University of Sydney, and without restricting the generality of the foregoing, particularly to promote, foster, assist and develop in Veterinary Science study and research generally, and in the first instance:

- (a) to provide permanent buildings and funds for these purposes within the Faculty of Veterinary Science in the University of Sydney, specially for the immediate needs of the Departments of Veterinary Pathology and Veterinary Clinical Studies; and
- (b) to engage in such other activities to develop Veterinary Science as the Council of the Foundation may from time to time determine.

#### **Warren Centre for Advanced Engineering**

On 1 December 1980 the Senate of the University approved the constitution of the Warren Centre for Advanced Engineering within the University.

The objects of the Centre as set out in clause 3 of its constitution are to assist the Senate and the Vice-Chancellor on matters associated with advanced engineering by co-operating with industry to promote excellence and innovation in all fields of engineering in Australia and, without restricting the generality of the foregoing, in particular to:

- (a) work in close co-operation with industry and the engineering profession, bringing together the

co-ordinated skills of the various engineering disciplines and branches;

(b) assist in bringing to the Centre as Visiting Fellows stimulating persons of outstanding achievement in order that they may influence engineering design, practice, organisation and management in Australia;

- (i) A Visiting Fellow may be from abroad or from Australia and may be in an academic career or within some form of industry or may be a person skilled in the art of turning research into products.
- (ii) A Visiting Fellow shall normally be appointed for a maximum period of 6 months, but a longer appointment may be made.

(c) invite applications from appropriate engineers to work with Visiting Fellows in the study of advanced techniques and the applications of those techniques towards finding solutions to current or foreseeable problems;

Applicants chosen would be those with a demonstrated capacity to develop their skills in the field of expertise of the Visiting Fellow and who are believed to be capable of expanding their horizons, standards and expertise.

(d) arrange seminars, courses, workshops and the like at which Visiting Fellows, engineers from industry, academic staff and students may present papers, give lectures, demonstrations etc., concerning their work to enable their information, skills and influence to spread to a larger number of engineers;

(e) recommend the printing of papers and publications and the issue thereof to members of the Centre and others;

(f) carry out studies of problems or projects for industry with or without a fee as determined by the Board;

(g) provide an organisation and a mechanism to assist engineers from the University to work in industry and vice versa, to enable a widening of experience and skills by both parties and to assist, where appropriate, engineers from Australia to study a particular problem abroad;

(h) provide scholarships or financial assistance where appropriate to assist in the achievement of paragraph (g);

(i) do all such things as are incidental to or conducive to the attainment of the above objects or any of them.

#### **Graduate School of Management and Public Policy Foundation**

On 4 August 1986 the Senate approved the Constitution of the Graduate School of Management and Public Policy Foundation within the University of Sydney.

The objectives of the Foundation are to advise the Senate of the University of Sydney and the Vice-Chancellor on matters associated with funding, learning and research in the Graduate School of Management and Public Policy within the University of Sydney and without restricting the generality of the foregoing, particularly to promote, foster, assist and develop study and research within the Graduate School of Management and Public Policy generally, and initially to provide the Graduate School with permanent buildings and facilities for these purposes.

# Bequests and endowments

## BEQUESTS AND ENDOWMENTS

### Alexander Milner Armstrong Memorial Fund

Founded in 1981 by an initial donation of \$300 by his grandson, Dr R. T. M. Whipple, for a memorial to the late Alexander Milner Armstrong BA, one-time headmaster of Orange High School, N.S.W., and augmented by public subscriptions and otherwise. The income of the fund is to be devoted to teaching and research in Land Economy within the University of Sydney, for the award of prizes to students of Land Economy and for such other purposes relating to teaching and research in Land Economy as may be determined by the Senate.

### Ruby Rita Arrow Bequest

Miss R. R. Arrow who died in 1978 bequeathed the residue of her estate to the University for the Department of Medicine.

The University received \$7063.

### Myra Josephine Atkinson Bequest

Miss M. J. Atkinson who died in 1968 bequeathed to the University the residue of her estate, to be applied in research work into the cause of cancer, in memory of her friend, the late Miss Alma Elsie Mary Tyrer, who died in 1961. The residuary value of the estate received by the University amounted to \$55 650.

### His Royal Highness Prince Nawaf Bin Abdul Aziz

Pursuant to a 1977 deed between His Royal Highness Prince Nawaf Bin Abdul Aziz of the Kingdom of Saudi Arabia and the University, His Royal Highness made available \$5 000 000 in two instalments to the University for use by The Science Foundation for Physics for solar energy research.

### Baloran (Sydney University) Trust Foundation

The Fund was established in 1979 with the income to be distributed to the University to be applied for the promotion and advancement of education in such branches of medicine as the Senate of the University may decide.

The University has received \$24 122.

### Anthony Pierre Balthasar Bequest

Dr A. P. Balthasar who died in 1979 bequeathed a legacy of \$50 000 to the University for research into anaesthesia for medical purposes.

The full legacy was received.

### Dorothy May Barr Bequest

Mrs Barr who died in 1983 bequeathed one quarter of the residue of her estate to the University for cancer research within the University as the Senate shall in its absolute discretion think fit.

The sum of \$41 274 has been received.

### William Norman Barron Bequest

William N. Barron who died in 1956 bequeathed the residue of his estate subject to an annuity in favour of his wife, who died in 1975, for the University's general purposes.

The University received \$44 139.

### Walter Reginald Bennett Bequest

Mr Bennett who died in 1950 bequeathed three-sixteenths of the residue of his estate to the University 'for the purpose of medical research' subject to certain life interests now determined.

The sum of \$82 529 has been received.

For more than a century the University's far-sighted benefactors have made possible important developments in teaching and research. Those considering making the University of Sydney a beneficiary in their wills may obtain confidential guidance from the Bursar (Mr Stephen Harrison) or the Registrar (Mr Keith Jennings).

*Those bequests and endowments established to provide scholarships, prizes and bursaries may be found in the section 'Scholarships, Prizes and Bursaries'.*

### Ruby Goodrich Adams Bequest

After a number of bequests to relatives and friends, Miss R. G. Adams who died in 1971 left the residue of her estate to be divided equally between the University and a number of charitable organisations.

The University's share in the residue of the estate was \$9470.

### A. E. Alexander Memorial Fund

The fund was established in 1978 as a result of an appeal by the University and the Royal Australian Chemical Institute (Division of Colloid and Surface Chemistry) to fund a memorial to the late Professor A. E. Alexander, PhD (Cambridge), FAA, Professor of Physical Chemistry in the University of Sydney 1957-1970.

The memorial takes the form of an Alexander Memorial Lecture every other year and the fund now stands at approximately \$13 000.

### Linda May Anderson Bequest

Miss Anderson who died in 1966 left a one-fifth share of the residue of her estate to the Postgraduate Medical Foundation (now the Medical Foundation) subject to a life interest now determined.

An amount of \$11 453 has been received.

### Archibald Research Fund

Jules F. Archibald, journalist, of Sydney died in 1919. Four-fiftieths of the net value of his estate were bequeathed to the University for cancer research.

The university's share of the estate was approximately £6350.

**William and Agnes Bennett Aeronautical Research Fund**

Established in 1955 by a gift of £5000. Subsequently increased to £10 000 by a further gift in 1956, from Agnes E. L. Bennett, OBE, MD *Edin. BSc.*

The Fund is for the purchase of capital equipment for the William and Agnes Bennett Supersonics Laboratory, for travelling grants for research personnel connected with the laboratory, and for the provision of research and technical staff as occasion demands.

**Elizabeth Gatherer Blackwood Bequest**

A quarter share of the residuary estate of Miss Elizabeth Gatherer Blackwood was bequeathed to the University 'to be applied in such a manner as the Dean of the Faculty of Medicine shall for the time being think fit for research in the disease of cancer'.

The University's share in the estate was \$165 680.

**G. G. Blake Radio-Frequency and Electronic Research Fund**

Founded in 1962 by a bequest of £700 to the University for the Department of Chemistry under the will of the late George Gascoigne Blake.

This Fund is to be used specifically towards the various applications of radio frequency and electronics to chemical analysis commenced by the late G. G. Blake.

**Falkner John Blaxland Bequest**

Dr F. J. Blaxland who died in 1982 bequeathed the residue of his estate, subject to a life interest in favour of his wife, to the University for the promotion of education to be used for the benefit of the Faculty of Medicine.

The value of this bequest has been estimated at \$380 000.

**Boden Chair of Human Nutrition**

Alexander Boden, one of the University's graduates, donated \$500 000 between 1976 and 1982 for the establishment of the Boden Chair of Human Nutrition within the Department of Biochemistry.

**Minnie Grace Bonner Bequest**

Miss M. G. Bonner who died in 1959 bequeathed the residue of her estate for the advancement of knowledge in medical science by means of medical research in New South Wales. The Supreme Court of New South Wales, on the Attorney General's application, directed that the residue be distributed as to one-third to the University.

The University received \$10 083.

**Bosch Fund**

In 1927 George H. Bosch, a Sydney merchant, offered the University the sum of £25 000 for the endowment of a Chair of Histology and Embryology, and £1500 for the purchase of apparatus for the Department of Anatomy. The Senate accepted these gifts with gratitude, and expressed its warm appreciation of the generous public-spirited action.

In 1929, Mr Bosch donated a further sum of £220 000 in city properties and securities to the University, thus bringing his gifts to the institution to more than a quarter of a million pounds.

The benefaction was given for the purpose of establishing full-time Chairs in Medicine and Surgery, and for the establishment of a Chair of Bacteriology, and the building and equipping of laboratories for the promotion of medical and surgical knowledge.

**Miss Annie Trestain Bray Bequest**

Miss A. T. Bray who died in 1965 bequeathed one-seventh of her residuary estate to the University 'to be used for research work in connection with the prevention and cure of cancer'.

The University received \$27 795.

**Else Charlotte Bertha Bruce-Stevens Bequest**

Miss E. C. B. Bruce-Stevens who died in 1979 bequeathed the residue of her estate to the University for cancer research.

The University received \$140 573.

**Florence Bryan Bequest**

Miss Bryan who died in 1985 bequeathed one-eighth of the residue of her estate for the general purposes of the Rural Veterinary Centre Camden — Small Animals.

The amount of \$11 772 has been received.

**Margaret Bruce Bryson Bequest**

Miss M. B. Bryson who died in 1961 bequeathed one-quarter of the residue of her estate to the University for cancer research in such manner as the Senate might determine.

The University received assets valued at £9970.

**Brigadier Harry Charles Bundock, DSO, Fund**

Mrs Eleanor Theodora Bundock who died in 1972 bequeathed to the University a collection of Georgian silver valued at \$9300. In addition, after a number of legacies, Mrs Bundock directed that the residue of her estate be held in trust for the University, the income 'to be applied for the purposes of the said University in such manner as the Senate thereof shall determine and I direct that the fund . . . shall be known as the Brigadier Harry Charles Bundock, DSO, Fund.'

The late Brigadier Bundock served in both World Wars, was twice wounded in action, twice mentioned in despatches for outstanding service and was awarded the Distinguished Service Order. His distinguished military career spanned thirty-eight years from 1908 to 1946.

The University receives approximately \$14 000 per annum from the estate.

**Lucy Falkiner Burton Bequest**

Miss L. F. Burton who died in 1981 bequeathed the residue of her estate to the University's Medical Foundation.

The University received \$104 000.

**Busby Research Fund**

Mrs Augusta Eliza Mitchell Busby, who died in 1941 bequeathed to the University the sum of £100 to be applied towards research work. In 1942, the Professorial Board, on the recommendation of the Faculty of Medicine, approved of the bequest being utilised to create a fund, the income from which was to be expended on the purchase of apparatus etc. for research work.

The sum of £100 was received.

**Bushell Chair of Neurology**

In 1978 the Laura Bushell Trust agreed to provide \$40 000 per annum over five years towards activities in neurology. The University conferred the title of Bushell Professor of Neurology on a present professor and the funds made available by the Trust are used to support postgraduate teaching and research activities.

### John and Betty Casey Research Trust

Sydney John Casey who died in 1976 bequeathed the residue of his estate on trust, subject to a life interest, with the income thereafter to be paid in perpetuity to the University for The John and Betty Casey Research Trust to be applied for the education of students and in the development of and study of and research in New South Wales into the pastoral industry generally and, in particular, into nominated areas of research. The research trust shall be administered by a committee of five members.

The capital value of the trust estate has been estimated at approximately \$380 000.

### Challis Fund

In 1880 John Henry Challis bequeathed residuary real and personal estate to the University, 'to be applied for the benefit of that Institution in such manner as the governing body thereof shall direct'.

From the income of the Fund a sum of £7500 was applied for the payment of half the cost of the erection of a new Chemical Laboratory, and a further sum of £1200 devoted to the erection of a marble statue of Mr Challis, which has been placed in the Great Hall, opposite to that of W. C. Wentworth.

Chairs in the following subjects: English Literature, Philosophy, History, Law, International Law and Jurisprudence, Anatomy, Biology and Civil Engineering, are among Challis Chairs and certain lectureships in the Faculty of Law are named Challis Lectureships.

### William Chapman Bequest

William Chapman who died in 1969, bequeathed one-half of his estate to the Senate of the University for the purpose of cancer research in New South Wales and the other half to the Medical Foundation in the University for the purpose of research in heart disease to be carried out in New South Wales.

The value of the residuary estate received was approximately \$1 460 000.

### Ethel Mary Chettle Bequest

Mrs E. M. Chettle who died in 1983 bequeathed the residue of her estate to the University with a request, but without creating any trust or legal obligation, to apply the bequest towards postgraduate work in the Department of Architecture, the Noel Chettle Art Prize, the library of the Faculty of Architecture, and for a new prize in the Faculty of Architecture.

Assets of \$297 592 have been received.

### George Edward Christy Bequest

Mr G. E. Christy who died in 1976 bequeathed his residuary estate to the University subject to a life interest, which terminated in 1962, requesting that the 'proceeds be used for research into the effects of automation in Australia'.

The University received assets valued at \$15 757.

### Francis George and Helena Melville Clark Endowment

Francis G. Clark who died in 1972 bequeathed the residue of his estate to the University for any purposes the Senate thinks fit. The University received \$2 334 918.

In 1984 the Book Repository at Darlington was constructed with funds from this endowment.

### A. M. Cohen Fund

In May 1948 A. M. Cohen donated to the University the sum of £100 to be used for research into the treatment of rheumatoid arthritis.

The Faculty of Medicine has decided to use the income from this Fund for the purchase of books and monographs on rheumatic diseases.

### Violet Cole Bequest

Miss V. Cole who died in 1978 bequeathed two-thirds of the residue of her estate to the University to be applied for general medical research.

The University received \$22 807.

### Crommelin Biological Research Station

Miss Minard F. Crommelin in 1947, by deed of gift, gave the University a property at Pearl Beach 'for the promotion of the study and improvement and preservation of the native flora and protection of the native fauna'. The station is used for teaching and research purposes.

### Laura Agnes Cull Bequest

Miss Cull who died in 1984 made four bequests to the University. A legacy of \$12 000 was for research into the causes of Parkinson's disease, one-seventh of the residue of the estate was for cancer research and three-sevenths of the residue less a life interest was also for research into Parkinson's disease.

The total value of the bequest is estimated at \$275 000.

### Sefton Cullen Settlements Nos 1 and 2

By two settlements made in 1929 and 1945 the late Sefton Cullen settled assets upon trust with the income thereon to be paid to his wife for life and the remainder to his children absolutely. By two supplementary deeds made in 1963 the University was to receive a one-sixth share in the remainder of the settlements for purposes of Scientific Research. There were no children and his wife died in 1975.

The University received assets valued at \$18 349.

### Mrs Elsie Alma Culnane Bequest

Under her will Mrs Elsie Alma Culnane who died in 1957 bequeathed two one-sixth parts of her residuary estate to the University, one part being for diabetes research, and the second part for cancer research.

The total amount received under the will amounted to \$22 478.

### Curatorship of Macleay Museum

In 1888 the sum of £6000 was given to the Senate by the Hon. Sir William Macleay, MLC, to provide for the services of a curator for the collections in Natural History which he had presented to the University.

### Marion Lucy Whitford Dallison Bequest

Miss M. L. W. Dallison who died in 1978 bequeathed the residue of her estate to the Cancer Research Fund within the University.

The University received \$32 454.

### Gertrude Constance Davey Bequest

Mrs G. C. Davey who died in 1949 bequeathed the residue of her estate to the University towards a research fund for the cure of arthritis or similar or kindred ailments.

The University received £23 000.

**W. H. and Elizabeth M. Deane Archaeology Fund**  
Established in 1959 with a gift of £1000 by W. H. Deane to assist the study of Archaeology.

In later years Mr Deane donated a further \$3020 to the fund.

**W. H. and Elizabeth M. Deane Library Fund**

The Fund was established in 1957 with an initial gift of £1000 from Mr W. H. Deane, to be invested and the income used for the purchase of rare books and manuscripts for Fisher Library.

In 1959 Mr Deane donated Deane Chambers and in later years a further \$9021 to the Fund. By 1979 the capital of the Fund was \$200 000. The conditions are—

- (a) that a unit distinct in itself to be known as 'The W. H. and Elizabeth M. Deane Collection' shall be formed within the Fisher Library and there shall be kept therein all books, manuscripts, papers and things purchased from the Library Fund or derived from any other source whatsoever either by way of fund or funds or gifts to the Collection;
- (b) that the objects of the Collection shall be the assemblage and preservation of rarer material in literature, knowledge and art, and so provide facilities for the study of the higher branches of learning by mature scholars;
- (c) that upon such Collection ultimately becoming sufficiently large then the whole Collection shall be housed in a gallery of its own provided for the purpose;
- (d) that all books, manuscripts, papers and things added to and becoming part of the Collection shall be permanently housed within the Collection and in no other place and shall be stamped in black with the stamp of the Collection and in the case of a book bear in addition the bookplate of the Collection, provided however:
  - (i) that any item may for any special purpose such as its better preservation, protection or safety be elsewhere housed if the Librarian shall think it so desirable; and
  - (ii) that if the Librarian shall so approve then any item of the Collection may for the purpose of exhibition or display be placed temporarily 'on loan' for such purpose;
- (e) that every book, manuscript, paper or thing within the Collection shall be catalogued in the catalogue of the Collection and, wherever else additionally catalogued, shall be identified in such catalogues as belonging to the Collection; and
- (f) that any person making use of any material from such Collection in any original work of his own shall acknowledge his indebtedness to the Collection for the use of such material.

**W. H. and Elizabeth M. Deane Pharmaceutical Fund**  
Established in 1958 by the initial gift of £1000 from W. H. Deane, BSc, the interest from this to be used from time to time within the Department of Pharmacy to carry on work in search of direct pain relieving drugs.

Mr Deane completed the fund at \$10 000 in 1967.

**W. S. and Annie E. Deane Library Fund**

Established in 1959 by a gift of £1000 by W. H. Deane to be invested and income used for the purchase of rare books, manuscripts and 'objets de vertu' for the W. H. and Elizabeth M. Deane Collection.

The fund was completed by Mr Deane in 1981 at \$50 000.

**Evelyn Mary Dempsey Bequest**

Miss E. M. Dempsey who died in 1982 bequeathed a small legacy, and half of the residue of her estate subject to a life interest, to the University for cancer research.

The value of this bequest has been estimated at \$340 000.

**Sir Hugh Denison Foundation**

Sir Hugh R. Denison who died in 1941 bequeathed one-third of the residue of his estate upon trust to retain it as a permanent fund and to pay the net income arising therefrom to the University. The income is to be applied for the establishment of a foundation for scientific research to be known as the Sir Hugh Denison Foundation and used as the Senate may deem expedient.

In 1985 the University received \$63 479.

**Helen Isabella Denny Bequest**

Mrs H. I. Denny who died in 1953 bequeathed the residue of her estate to the University for medical research.

The University received £2363.

**Sir Hugh Dixon Collection of Minerals from Broken Hill**

In 1909 the sum of \$7050 was given by Sir Hugh Dixon, of Abergeldie, Summer Hill, to enable the University to purchase a collection of minerals obtained from the Barrier District of New South Wales, made by Mr Edward Aldridge.

**Sir Hugh Dixon Gift of Radium**

In 1918 30 milligrams of radium, valued at £1000 together with certain valuable apparatus, were given to the University by Sir Hugh Dixon, of Abergeldie, Summer Hill. Sir Hugh stated that during the war the radium was to be in the possession of the Royal Prince Alfred Hospital for the purposes of medical research, but within twelve months of the conclusion of the war an agreement was to be made between the University and the hospital as to whether it would be of greater benefit to society generally if used by the hospital, for medical science or for scientific purposes at the University.

**Gordon Dowsett Melanoma Research Fund**

This Fund was established in 1978 in memory of Gordon Edward Dowsett and with the support of Mr E. J. Dowsett, Mrs H. M. Dowsett and E. J. Dowsett & Son Pty Limited who had contributed \$36 500 as at 31 March 1982.

**C. W. S. and D. E. H. Dun Medical Library Fund**

As one of the residuary beneficiaries under the wills of Mrs Daphne Eastfield H. Dun and Dr Charles William Sutherland Dun, both of whom died in 1963, the University established the 'C. W. S. and D. E. H. Dun Medical Library Fund'.

The University received assets valued at \$13 095.

**John Bede Egan Bequest**

John B. Egan who died in 1971 bequeathed a legacy of \$4000 and a one-sixteenth share in the residue of his estate, to the Medical Foundation within the University.

The University received assets to the value of \$9431.

**William Isaac Riddeford Elliott Bequest**

Mr Elliott who died in 1984 bequeathed the whole of his estate to the University for medical research.

The University received \$23 600.

#### **Anita Estlin Bequest**

Mrs Estlin who died in 1981 bequeathed one quarter of the residue of her estate to the University for the purchase of classical literature for the Fisher Library or to otherwise assist the study of classics by the purchase of microfilms or other reproductions or journals or similar materials.

The University received \$21 030.

#### **Sir James Fairfax Bequest**

Sir James Fairfax who died in 1929 bequeathed a legacy of £10 000 to the University for such purpose as the Senate thought fit.

The full legacy was received.

#### **Ian Buchan Fell Bequest**

Ian B. Fell who died in 1961 bequeathed the residue of his estate on trust with the income for the promotion and encouragement of education at the University in particular but not exclusively for the Ian Fell Scholarships, and for the purpose of enabling scientific research.

The university receives approximately \$40 000 per annum.

#### **Thomas Fisher Bequest**

In 1884 Thomas Fisher bequeathed the sum of £30 000 'to be applied and expended by the Senate in establishing and maintaining a library for the use of the University, for which purpose they may erect a building and purchase books and do anything that may be thought desirable for effectuating the purposes aforesaid'.

The main library of the University is named the Fisher Library in recognition of the endowment, and the income from the Fisher Fund is used for the purchase of books and other library materials.

#### **Margo Roslyn Flood Bequest**

Miss M. R. Flood who died in 1974 bequeathed the residue of her estate to the University for the purpose of assisting the research into the health of dogs and other purposes related thereto.

The University received \$6148.

#### **Florance and Cope Chair of Rheumatology**

In 1981 Dorothy Grace Florance provided funds for the establishment of the Chair. The funds are held by the Australian Arthritis and Rheumatism Foundation as trustee to provide an annual grant to the University to fund the Chair in the University's Department of Medicine but to be based primarily at the Royal North Shore Hospital. The trustee may transfer the corpus to the University in due course.

#### **Alexander Young Fullerton Bequest**

Dr A. Y. Fullerton who died in 1946 bequeathed the residue of his estate to the University for the purposes and benefit of the University.

The University received assets valued at \$78 153.

#### **Ernest Albert Garvin Bequest**

Ernest A. Garvin who died in 1962 bequeathed the residue of his estate to the University for cancer research.

The University received \$54 461.

#### **James Herbert Garvin Bequest**

James H. Garvin who died in 1962 bequeathed the residue of his estate to the University for cancer research.

The University received \$38 513.

#### **Arthur and Renee George Chair in Classical Archaeology**

The Arthur T. George Foundation Limited agreed to provide funds towards the continuation in perpetuity of the Chair in Archaeology which has been named the Arthur and Renee George Chair in Classical Archaeology.

In 1978 the University received \$75 000 from the Foundation.

#### **Ivy Jean Gill Bequest**

Mrs I. J. Gill who died in 1976 bequeathed the residue of her estate to the Melanoma Research Unit.

The University received \$9523.

#### **Walter John Glover Bequest**

Walter J. Glover who died in 1968 bequeathed the residue of his estate to the University for the purpose of financing research on the human heart.

The University received assets valued at \$8280.

#### **Roslyn Flora Goulston Research Fund**

In 1948 Mrs Daphne Luber presented to the University the sum of £250 as the first instalment for a fund to be known as the 'Roslyn Flora Goulston Research Fund'. A further £250 was received in 1949. The donor desired the income from the Fund to be made available for the development of pure research in the Department of Biochemistry and to be spent at the discretion of the Head of the Department.

#### **Ronald Edward Graham Bequest**

Ronald E. Graham who died in 1979 bequeathed his library of science fiction to the University.

#### **Carlyle Greenwell Research Fund for Students in Anthropology**

Carlyle Greenwell who died in 1961 bequeathed to the University his residuary estate, subject to certain life interests which terminated in 1961, to be invested and the income to be derived therefrom to be called 'The Carlyle Greenwell Research Fund for Students in Anthropology' and to be applied 'for student research field work and original literacy work in anthropology in such manner as the Senate of the University shall decide.'

The University received assets valued at \$88 959.

#### **Sybil Greenwell Bequest**

Under her will Mrs S. E. V. M. Greenwell who died in 1961, widow of the late Carlyle Greenwell, bequeathed to the University (i) two amounts of \$1000 for two annual prizes or scholarships in the Faculty of Law, one to be known as 'The Caroline Munro Gibbs' and the other as 'The Sybil Morrison' prize or scholarship; (ii) \$3000 for a scholarship in the Faculty of Architecture to be known as the 'Elizabeth Munro Scholarship'; and (iii) her residuary estate, to be known as the 'Sybil Greenwell Bequest' and 'to be applied in support of the small animals section of the Rural Veterinary Centre at Camden'.

The prizes set out in (i) and (ii) above are contained in the prizes section of the Calendar, and the funds under (iii) have been used to support the position of a temporary clinical instructor at the Rural Veterinary Centre, Camden.

#### **Ida Aileen Gummow Bequest**

Miss I. A. Gummow who died in 1967 bequeathed one-quarter of the residue of her estate to the University for cancer research.

The University received assets valued at \$73 116.

**Edwin Cuthbert Hall Bequest**

Under the will of Dr E. C. Hall, of Vacluse, New South Wales, who died on 9 April 1953, his residuary estate was to be held in trust on the death of his wife, Mrs A. W. Hall, 'for the University of Sydney for the endowment of a Professorship in the subjects of Archaeology and Mythology in the Ancient Middle East, namely, Palestine, Egypt and Asia Minor'.

Mrs Hall died in 1958. The amount received at 31 December 1959 totalled about £88 610. In 1960 The Edwin Cuthbert Hall Chair of Middle Eastern Archaeology was established.

**Roy Charles John Hammond Bequest**

R. C. J. Hammond who died in 1973, after a number of legacies, bequeathed one-third of his residuary estate 'to the cancer research fund of the University of Sydney'.

The University received \$121 756.

**Harington Trust Fund**

Thomas Cuthbert Harington, of England, in a will dated 1860, directed that after the death of two nieces (which happened in 1929), 'a fund should be applied for the purposes of a library to be attached to the University of Sydney, to be designated the Harington Library, in such portions at such time or times and in such manner as the Protestant Church of England Bishop for the time being of the diocese in which the said University shall be situate shall determine'.

In 1930 the Senate acknowledged an offer from His Grace the Archbishop of Sydney to hand to the University the principal of the Fund, known as the 'Harington Library Fund', on the following conditions—

- (a) That the Library established by means of the Fund be housed in a room in the University, to be called 'The Harington Library';
- (b) That the interests on the capital be used for the purchase of books dealing directly or indirectly upon religious subjects;
- (c) That the books be selected by a committee consisting of the Archbishop as Chairman, the Vice-Chancellor, and the Professor of Greek.

The assets from the Fund realised in England £488, and this being transferred to Sydney in 1931, brought the capital sum up to about £636.

**Bernard Morris Harris Bequest**

Bernard M. Harris who died in 1974 bequeathed a legacy to the University's Medical Foundation.

The University received \$4324.

**Gladys Emma Harris Bequest**

Under her will Miss G. E. Harris who died in 1977 bequeathed one-tenth of the residue of her estate to the University to be applied for the purpose of medical and particularly cancer research.

The University received assets valued at \$4714.

**Sadie Emma Hart Bequest**

Miss S. E. Hart who died in 1967 bequeathed the residue of her estate to the University for the purpose of research into the causes and treatment of insomnia and cancer.

The University received \$8404.

**Charles Samuel Harte Bequest**

Under the terms of his will C. S. Harte who died in 1971 bequeathed the residue of his estate to the Medical Foundation.

The value of the residuary estate was \$34 385.

**Mr and Mrs Sydney T. Haynes Bequest**

Mrs Rachel Elizabeth Haynes who died in 1961 bequeathed half the residue of her estate to the University for scientific medical research, the Fund to be known by the above name.

The University received £50 712.

**Hebden Research Fund**

By deed of gift of 7 August 1925 Miss Elizabeth Spencer Hebden of East St Kilda, Melbourne, bearing in mind old associations connected with the State of New South Wales, and many benefits received from that State, where her late father, George Hebden, and her late brothers, George Henry Hebden and Charles Spencer Bransley Hebden, lived and died, and in perpetuation of their memory, bequeathed to the University the sum of £5000 to be held in perpetuity for the promotion and support of medical and surgical research work and for kindred subjects.

**Violet Ethel Henderson Bequest**

Under the terms of her will Mrs V. E. Henderson who died in 1973 bequeathed one-half of her residuary estate, after a number of legacies, to 'Sydney University for cancer research'.

The University received \$30 557.

**James Macartney Hill Bequest**

In April 1960 the University was advised that under his will the late J. M. Hill bequeathed the income from his residuary estate, subject to the payment of an annuity to his daughter and to one other condition, to the Senate of the University of Sydney, to be applied 'for such research purposes or work as the said Senate shall in its sole discretion decide to be of use and benefit to mankind'.

The University received assets valued at £18 646.

**John Thomas Hamilton Hill Bequest**

John T. H. Hill bequeathed, subject to certain life interests now determined, the residue of his estate to the University to be applied for or towards research work in the Faculty of Medicine.

The University received assets valued at \$18 032.

**Eric Thomas Wallis Holt Bequest**

Eric T. W. Holt, a grazier of 'Mount Pleasant', Marulan, died in 1971. Under the terms of his will Mr Holt bequeathed a property known as 'Arthursleigh' to the University 'to be applied for the benefit of or purposes of animal research and medical and science research'. The residue of his estate, subject to a life tenancy for Mr Holt's widow, is bequeathed to the University for the same purpose.

Although the residuary value of the estate is not yet known, the gross value may exceed \$1 million.

**Thelma Joyce Hughes Bequest**

Mrs T. J. Hughes who died in 1978 bequeathed half of the proceeds of the sale of her home unit at Chatswood and half of her investments to the University for cancer research.

The University has received \$32 212.

**Hunter Memorial Fund**

Founded in 1926 by subscribers to a memorial of the late Professor John Irvine Hunter by a gift of £500, the income of which is to be devoted to a biennial Hunter Memorial Lecture.

From the amount subscribed and handed over to the University, namely £1750, two portraits were obtained and the balance invested, the interest being de-



voted to library and research purposes. The library is the property of the University and is housed in the Fisher Library.

A Hunter Memorial Committee has been appointed to advise the Senate as to any question that may arise from time to time concerning the application of the Hunter Memorial Funds. The committee consists of the Vice-Chancellor, the Professor of Anatomy, and a practising member of the medical profession to be appointed from time to time. The first member appointed was Dr N. D. Royle.

#### **Ernest Athelston James Bequest**

The late Mr E. A. James who died in 1982 bequeathed the residue of his estate to the University, subject to a life interest, for the furtherance of studies in Social Sciences.

The value of this bequest has been estimated at approximately \$63 000.

#### **Harold James Jardyne Bequest**

Mr Jardyne who died in 1985 left one-ninth of the residue of his estate to the University 'to be applied in such manner as the Dean of the Faculty of Medicine for the time being shall think fit for research in the disease of cancer'.

The sum of \$40 000 has been received.

#### **Leila Grace Johnston Bequest**

Mrs L. G. Johnston who died in 1979 bequeathed the residue of her estate to the University for cancer research.

The University received \$8982.

#### **Mona Kathleen Kelly Bequest**

Under the terms of her will Miss M. K. Kelly who died in 1972 bequeathed one-half of the residue of her estate to the University to be applied for the purpose of cancer research within the Faculty of Medicine.

The University received \$39 445.

#### **R. de W. and S. F. Kennedy Bequest**

Under his will Robert de Witt Kennedy who died in 1962 bequeathed the sum of £5000 to the University for the purpose of medical research for the alleviation of human suffering, 'to be used therefor in such manner as the Senate of the University shall decide'.

#### **J. Kentley Memorial Fund**

James Kentley who died in 1980 bequeathed the residue of his estate to the University to be used for post-graduate study and research or such other related purposes as the Senate may decide.

The University received assets valued at \$69 378.

#### **Alexander Livingstone Kerr Bequest**

Alexander L. Kerr who died in 1938 bequeathed the residue of his estate, subject to several life interests, to the University for research in the prevention and cure of disease.

The University received assets valued at \$35 020 and further distributions may occur.

#### **Joseph Alexander Kethel Bequest**

Under his will Joseph Alexander Kethel who died in 1946 left the residue of his estate, subject to a life interest, to be held in trust for the University for the purpose of cancer research. After the death of the life tenant in 1961, the University received the residue of the estate being capital and income to the value of about \$174 690.

#### **W. A. King Fund**

Under the will of William Alexander King of Artarmon, who died in 1944, the residue of his trust funds in South Africa was bequeathed to the University after the payment of certain expenses and a legacy. The money was to be paid to the Vice-Chancellor of the University and to be applied for the purpose of medical research in such manner as the Senate may determine.

The University received £10 400 Australian currency.

#### **Dorothy Linda Kingsley Bequest**

Mrs D. L. Kingsley who died in 1982 bequeathed the residue of her estate to the University for 'research in the fields of respiratory medicine and/or clinical neuroscience by supporting the establishment of a Chair or Chairs or by supporting the research in these areas of medical science'.

The University has received assets worth \$464 103.

#### **Kooroor Foundation**

Established in 1969 by a gift of \$4810 from the Kooroor Club, the income from the foundation is to be applied for field work and other activities in the Department of Social Work at the discretion of the Head of the Department of Social Work.

#### **Reginald Maney Lake Fund**

The late Mrs Nellie Mildred Blanche Cowburn who died in 1948 bequeathed to the University a legacy of £5000 for the Amy Laura Bonamy Scholarship and half the residue of her estate for medical research, to be known as the Reginald Maney Lake Fund.

The University received \$15 317.

#### **Rolf Edgar Lake Bequest**

Rolf E. Lake who died in 1978 bequeathed the residue of his estate, subject to a life interest in favour of his wife, who died in 1982, upon trust for the University to be used in such research work in the Faculty of Medicine as the Senate acting upon the advice of the Faculty shall from time to time decide.

The University received assets worth \$1 588 331.

#### **Archibald Lane Bequest**

Archibald Lane who died in 1977 bequeathed the residue of his estate to the University for purposes of cancer research.

The University received \$35 125 as the full distribution due from the estate.

#### **Mary Jane Larkin Bequest**

Miss Larkin who died in 1985 left one-quarter of the residue of her estate to the University for research into rheumatic ailments.

The sum of \$10 556 has been received.

#### **Samuel Lasker Bequest**

Samuel Lasker who died in 1943 bequeathed, subject to payment of seven annuities, a one-seventh share of the residue of his estate for the Cancer Research Committee of the University.

The University received assets valued at \$4628.

#### **Gift from Sir Nicholas Laurantus to establish the Study of Modern Greek**

In 1968 Sir Nicholas Laurantus of 'Midgeon' Station, Narrandera, made a gift of \$120 000, half of which was in the form of real estate which was subsequently sold, to establish the study of Modern Greek in the University.

The donor expressed the hope that the introduction of Modern Greek will encourage Australian students to study Greek as a second language and will also provide a means by which persons of Greek origin resident in Australia can maintain an active interest in the language of their mother country.

The Chair of Modern Greek was established in 1970.

#### **Kathleen Joan Laurence Bequest**

Under her will Miss K. J. Laurence who died in 1972 bequeathed much of her estate to the University.

The late Miss Laurence devised, subject to a life interest, her property at Mosman to the University.

One-third of the residue of the Estate is to be applied by the University in memory of her cousin the late Dr George A. Makinson Heydon for a library for the Biological Sciences Building or to form a fund to provide for the purchase of books and scientific journals, with the library to be known as 'The Heydon Library'.

As to the other two-thirds of residue, the sum of \$4000 was bequeathed to the University to establish a fund to be known as 'The Jabez King Heydon Memorial Fund' for a memorial prize in the biological sciences. The remaining part of the residue, subject to the provision of certain funds and interests, was bequeathed to the University for the erection of a residential building for student accommodation to be known as 'The K. J. Laurence Hall'.

The University's share in the estate has been estimated to be in excess of \$600 000.

#### **Lebanon Ladies Association University Fund**

The fund was established in 1953 and is for the purchase of books and journals for the Library, guest lecturers and audiovisual materials in the instruction of Arabic.

The University received \$8650 from the Association.

#### **Leibius Bequest**

Mr Gustav Hugo Leibius who died in 1948 bequeathed to the University a sum of £300 to promote the study of economics and / or social science and / or natural history. In 1949 the Senate resolved that the income from the bequest should be used to purchase books for the Wolstenholme Library, such books to bear a bookplate acknowledging the donor.

#### **William and Amy Lewis Trust**

Established in 1956 by a gift of £500 from Miss E. E. Lewis to commemorate her parents, William and Amy Lewis. Further gifts of £500 were received in 1957 and 1958.

The income from the Fund is to be used for medical research within the University.

#### **Bertha May Light Bequest**

Mrs B. M. Light who died in 1979 bequeathed the residue of her estate to the University to be applied by the Senate within the School of Medicine for post-graduate medical research on such terms and conditions as the Senate should in its absolute discretion think fit.

The University received \$82 765.

#### **Rachel Lipton Bequest**

Mrs Rachel Lipton who died in 1978 bequeathed the greater part of the residue of her estate, subject to the life interest of her husband who died in 1986, for the establishment of a residential college on the campus of the University or nearby as a memorial to Reverend

Bezalel Mandelbaum and his wife Freda, to be known as 'Mandelbaum House'.

The value of this bequest has been estimated at \$500 000.

#### **Sydney Ferguson Little Bequest**

Sydney F. Little who died in 1983 bequeathed his estate to the University for the general purpose of the Medical Foundation.

Assets of \$306 031 have been received.

#### **K. S. H. Livingston Bequest**

The residuary estate of the late K. S. H. Livingston, formerly grazier of Moree who died on 10 January 1969 was bequeathed to the University with the wish that it be applied for cancer research.

The University received assets to the value of \$1 089 450.

#### **Mayo Beazely Livingstone Bequest**

Mayo B. Livingstone who died in 1954 bequeathed a residuary interest in certain real estate to the University, to be applied for the Animal Clinic in the Faculty of Veterinary Science.

The University received real estate valued at \$60 000.

#### **Kenneth Rowland Lobb Bequest**

In March 1977 the University was advised that under his will, the late K. R. Lobb had bequeathed the residue of his estate to the University's Bill White Melanoma Research Fund.

The University received \$19 738 as residuary estate.

#### **Lionel Marcelles Lonsdale Bequest**

L. M. Lonsdale who died in 1970 bequeathed one-half of the residue of his estate subject to a limited life interest to the University to be applied in the Veterinary Hospital and Clinic in Sydney. After setting aside \$5000, the income from which is to be applied towards two scholarships or prizes of \$200 and \$100 to students in the veterinary course, the balance is to be applied in the hospital and clinic for research in the diseases of domestic animals and to the treatment of them.

The University received \$276 064.

#### **L. & L. McAlister University Research Fund**

Leslie Charles McAlister who died in 1976 bequeathed the residue of his estate to the University for the L. & L. McAlister University Research Fund, to be used by the Department of Surgery or other department of the Faculty of Medicine for research into the causes, treatment and cure of cancer.

The University received \$144 704.

#### **MacCallum Fund**

The late Emeritus Professor Sir Mungo MacCallum bequeathed to the University, in addition to a large collection of his books, a sum of £1000 to be employed for the benefit of the University as the Senate may determine.

In 1953 the Senate decided that because of Sir Mungo MacCallum's close association with the Department of English the bequest be used to help that Department. Accordingly the bequest was formed into a fund to be known as 'The MacCallum Fund' from which money will be available as interest free loans. Advances from the Fund are available to permanent members of the Department of English and to graduates in English of outstanding ability to further their scholarship by study abroad or in arranging for the publication of research work.

### **McCaughey Fund**

In 1919 the late Hon. Samuel McCaughey made a bequest to the University in the following terms:

'I declare that my trustees shall, subject to clause 21 of this my will, hold the residue of the said trust funds upon the trusts following, that is to say, in trust, to divide the same into two equal moieties, and as to one of such moieties to divide the same into three equal parts or shares, and to hold the same upon the trust following — that is to say, as to two of such parts or shares to apply and appropriate the annual income thereof, or the balance of such income after payment of all expenses, costs, charges, and outgoings incurred in connection therewith for the University of Sydney, and as to the other third or share to apply and appropriate the annual income thereof, or the balance of such income after payment of all such charges and outgoings incurred in connection therewith for the University of Brisbane, such income to be applied to such purposes as the respective Senates of the said universities may from time to time determine.'

Sir Samuel McCaughey, who was a native of County Antrim, in Ulster, Ireland, came to Australia at twenty years of age, and engaged in pastoral pursuits. In the course of his occupation he amassed a large fortune by skilful management and improvement of his stock, and by making important arrangements for irrigation and conservation of water. He was a member of the Legislative Council from 1899.

The approximate annual income from the Fund is \$70 000.

### **Ruby Lillian McCauley Bequest**

Under her will Miss R. L. McCauley, who died in 1969, bequeathed two-thirds of her residual estate to be applied in two equal parts by the Medical Foundation in the University for research into cancer and heart diseases.

The University received \$15 092.

### **Nina Coomburah McConochie Bequest**

Miss N. C. McConochie who died in 1982 bequeathed her estate to the University for research into the causes and treatment of deformities and disabilities of the human body in such manner as the Senate may determine.

The University received \$498 305.

### **Ronald McGrath Bequest**

Ronald McGrath who died in 1980 bequeathed the residue of his estate, subject to a life estate as to a small part, to the Medical Foundation of the University for the general purposes of the Foundation.

The University received assets valued at \$1 855 000 and a further distribution is likely.

### **Charlotte Carolin Macgregor Bequest**

Mrs C. C. Macgregor who died in 1977 bequeathed one-half of the residue of her estate to the Coppelson Postgraduate Medical Institute within the University.

The University received assets valued at \$5186.

### **Gordon Howard McGregor Bequest**

Gordon H. McGregor who died in 1977 bequeathed the residue of his estate to the University on trust to apply the net annual income to the acquisition of such books and in subscriptions to such periodicals as the Librarian of Fisher Library deems fit and relating to pure sciences.

The University received \$60 000.

### **Martin McIlrath Research Fund**

Established in 1950 by a gift of £50 000 from Martin McIlrath, for research into diseases, the causes of which are not yet known.

### **Irene Ethel McKeachie Bequest**

Miss McKeachie who died in 1984 left one-sixth of the residue of her estate to the University for cancer research,

The University received \$39 887.

### **Dora Jean Mackenzie Bequest**

Miss D. J. Mackenzie who died in 1966 bequeathed the residue of her estate to the University for the Faculty of Medicine for psychiatric research.

The University received \$54 688.

### **Kenneth Alexander MacKenzie Bequest**

Kenneth A. MacKenzie who died in 1958 bequeathed twenty per cent of the residue of his estate to the University with the desire that it be specifically applied for research into coronary diseases.

The University received \$15 110.

### **John Murdoch Main Bequest**

John M. Main who died in 1967 bequeathed, subject to a life interest now determined, half of the residue of his estate to the University for the purchase and installation of machinery, equipment, apparatus and instruments for use or for research in the Department of Civil Engineering and for the perpetuation of 'The John Main Prize'.

The University received assets valued at \$38 672.

### **Captain Harry Markham Bequest**

Under the terms of her will Mrs Nellie Markham who died in 1969 bequeathed the residue of her estate to 'the University to establish a fund to be known as the Captain Harry Markham Bequest with power for the Senate of the said University to use within Australia the capital thereof, and/or the income therefrom in any branch or branches of medical research or any matters or subjects referable thereto as the said Senate may (having regard to the advice and recommendation of the Dean of the Faculty of Medicine) from time to time in its absolute discretion direct . . .'

The University received assets valued at \$187 000.

### **Marks Memorial Fund**

Established in 1933 by a gift of £250 from subscribers to the memorial of the late Dr Herbert J. Marks, for many years Lecturer in the Diseases of Ear, Nose, and Throat. The money is to be invested and the interest made available for subsidising research aimed at improving the knowledge of anatomy, physiology, or pathology of the ear, nose, and throat and of the treatment of such pathological conditions.

The interest from the fund is now used for a prize for a graduate in Medicine of the University who submits a contribution in any one year of original work which adds to the knowledge and understanding of the diseases of the ear, nose, and throat.

### **Hilda Violette Marks Bequest**

Miss Marks who died in 1948, directed that one-third of her residuary estate should be left in trust to the University to be applied for medical research work.

The University received £3800.

### **Ivy Lillian Martin Bequest**

Mrs I. L. Martin who died in 1979 bequeathed the residue of her estate to the University to be applied by

the Senate within the School of Medicine for post-graduate medical research on such terms and conditions as the Senate should in its absolute discretion think fit.

The University received \$62 798.

#### **Joe Miller Trust**

Mrs Lurline Matilda Miller who died in 1966 bequeathed her residuary estate to the University to be applied by it in such manner as the Senate may determine for the purpose of cancer research, to be known as the 'Joe Miller Trust' in memory of her late husband.

The University received \$75 195.

#### **Annie Mildred Mocatta Bequest**

Dr Mocatta who died in 1984 left one-third of the residue of her estate to the University for the purposes of the Florence and Cope Chair of Rheumatology.

It is anticipated that the University will receive approximately \$125 000.

#### **Maud Amelia Elizabeth Morgan Bequest**

Mrs M. A. E. Morgan who died in 1970 bequeathed, subject to seven annuities, the residue of her estate to the University to be applied for the promotion of the objects of the Medical Foundation and particularly for the purposes of research into the causes and treatment of arthritis or in such other manner as the Senate may determine.

The value of this bequest has been estimated at \$53 600.

#### **Sheila Margot Morris Bequest**

Mrs Morris who died in 1983 bequeathed the residue of her estate, which is subject to a life interest, to the University for use in cancer research.

The value of the bequest is estimated at \$27 000.

#### **Matthew John Morrissey Bequest**

Dr Morrissey died in 1984, leaving the residue of his estate to the University with the express wish that the corpus of such portion be held in trust and the income arising therefrom be used by the Fisher Library for the establishment of a collection of Far Eastern (particularly Japanese) pictorial works of art.

Assets of \$292 736 and a number of works of art have been received.

#### **Robert L. Mostyn Bequest**

Robert L. Mostyn who died in 1978 bequeathed a legacy of \$10 000 to the Medical Foundation of the University.

The full bequest has been received.

#### **Dora Moulton Bequest**

Under her will Mrs D. Moulton who died in 1963 bequeathed to the University her residuary estate to be used 'as the proper authorities of the University shall think fit towards the research of the disease of cancer'.

The University received \$7740.

#### **Hilda A. J. Muggridge Bequest**

Mrs H. A. J. Muggridge of Potts Point died in 1941. Under her will and subject to the payment of certain legacies and bequests the residue of the estate was to be divided into eight equal parts and two of such parts were left to the Senate of the University to be applied for the purposes of cancer research in such manner as the Senate may determine. An amount of £8337 was received by way of capital.

#### **John Thomas Nash Bequest**

John T. Nash who died in 1977 bequeathed, subject to a life interest now determined, his estate to the University for medical research purposes, principally in the field of skin diseases.

The University received \$37 500.

#### **Ernest Albert Nettlefold Bequest**

Mr Nettlefold died in 1978 and following the death of the life tenant, the University became entitled to the residuary estate 'for such purposes and in such manner for the benefit of the University of Sydney as the Senate thereof for the time being shall from time to time think fit'.

The sum of \$750 000 has been received.

#### **N.S.W. Racing Research Fund**

In 1982 the state government advised the Australian Jockey Club, the Sydney Turf Club, the N.S.W. Trotting Authority and the University of Sydney that agreement had been reached that '... horse research at the University of Sydney should be funded from the TAB distribution to the galloping and trotting industries up to a maximum of \$40 000 per annum, on the basis that the share paid by each of the two industries is proportionate to its respective share of the distribution'.

#### **Alison M. Northam Bequest**

Miss Northam who died in 1977 bequeathed a legacy of \$4000 to the University for medical research.

The University received the full legacy.

#### **Chair of Ophthalmology and Eye Health**

In 1960 the sum of \$55 000 was donated by OPSM Industries Limited towards the establishment of a Chair of Ophthalmology in the University and to provide for its maintenance. Senate approved the establishment of the Chair in October 1960.

#### **Beatrice and Andrew Osborn Bookfund**

Established in 1982 by Andrew Delbridge Osborn (University Librarian 1959-1962) and endowed by him and his family with gifts totalling more than \$40,000. The income is to be used by the University Library for the purchase of rare books printed before 1701.

#### **Mavis Noble Palmer Memorial Fund**

The University is the residuary beneficiary in the estate of the late Norman Frank Palmer, who died in 1967. Under his will Mr Palmer provided that his residuary estate should be used to establish 'The Mavis Noble Palmer Memorial Fund' in memory of his late wife, Mavis Noble Palmer, 'to be applied for the promotion of the objects of the Postgraduate Medical Foundation in such manner as the Senate may determine'.

The University received distributions totalling \$107 733.

#### **John Stanley Paskins Bequest**

Mr Paskins who died in 1983 bequeathed his estate for such charitable organisations as his trustee in his discretion shall think best fulfil the object of benefiting crippled and handicapped children. The bequest is to be applied for the Paediatric Health Education Unit in the Department of Paediatrics and Child Health at Westmead.

The University received \$17 632.

#### **Emily Frances Paton Medical Fund**

The late Arthur Francis Paton, who died in 1970, bequeathed the residue of his estate to the University 'to be used for such purpose or purposes of the Medical School of the said University of Sydney as the Dean of the Faculty of Medicine for the time being and from time to time may appoint in furtherance of the work of the said Medical School and / or the furtherance of the study of Medical Science in connection therewith'. He also expressed the wish that the fund be known as 'The Emily Frances Paton Medical Fund' in memory of his late mother.

The final value of the estate was \$331 870.

#### **Francis Irvine Patten Bequest**

Francis I. Patten who died in 1967 bequeathed the residue of his estate to the University for the purpose of cancer and heart research.

The University received assets valued at \$62 271.

#### **Eva Ivy Coraline Pedersen Bequest**

Mrs E. I. C. Pedersen bequeathed the residue of her estate to the University's Postgraduate Foundation in Veterinary Science.

The University received \$14 698.

#### **Dugdale Guy Peele Bequest**

Dugdale G. Peele who died in 1960 bequeathed one-fifth of the residue of his estate, subject to two life interests which terminated in 1971, to the University for research into the prevention of the deaths of dogs and other animals due to tick poisoning and for the care of dogs suffering from such poisoning.

The University received \$16 364.

#### **Mary Pfeiffer Bequest**

Miss Pfeiffer who died in 1972 bequeathed her residuary estate to the University as follows: 'to be applied by the Postgraduate Medical Foundation for research into heart disease or if such subject shall not in the determination of the Senate of the University of Sydney be practicable then but not otherwise I direct that the same shall be applied for the promotion of the objects of the Postgraduate Medical Foundation aforesaid in such manner as the said Senate shall determine'.

The University received assets valued at \$57 370.

#### **Philips Foundation for Lighting Education and Research**

This Foundation was established in 1979 by a donation of \$50 000 from Philips Industries Holdings Limited to support lighting education and lighting research within the Department of Architectural Science.

#### **Robert James Pickburn Bequest**

Mr Pickburn, a retired dentist of Cairns, died in 1984 bequeathing his estate to the University for general purposes.

The value of the bequest is likely to approximate \$250 000.

#### **Catherine Pilkington Bequest**

Miss C. Pilkington who died in 1980 bequeathed the residue of her estate for the purpose of cancer research at Royal Prince Alfred Hospital.

The University received \$19 209.

#### **Rosina Mary Pinhey Bequest**

Miss R. M. Pinhey who died in 1958 bequeathed one-quarter of the residue of her estate to the University for

cancer research in memory of her brother Eustace Townley Pinhey.

The University received assets valued at £6437.

#### **Ernest Ellis Pittman Bequest**

Dr E. E. Pittman who died in 1972 bequeathed his entire estate to the University absolutely.

The value of the bequest was \$1 338 762.

#### **Lilian and Winifred Plunkett Trust**

Under the terms of her will Miss W. Plunkett who died in 1974 bequeathed 'the whole of [her] property of whatsoever nature and wheresoever situate to the Vice-Chancellor and the Secretary of the University of Sydney to be applied for such purposes within the said University in such manner as the Senate may determine but especially to support research in the Department of Geology and to be known as the Lilian and Winifred Plunkett Trust'.

The University received assets valued at \$64 969.

#### **James Arthur Pollock Memorial Fund**

In 1952 the University was bequeathed the residuary estate of the late Miss Annie Pollock to be held in trust by the University to establish the James Arthur Pollock Memorial Fund in memory of her brother, the late James Arthur Pollock, DSc, FRSc, Professor of Physics in the University from 1899 to 1922.

The purpose of the Fund is to promote original research in the science of physics in the University. The income from the Fund is to be used only for the purchase of apparatus, equipment, and materials for this purpose and neither the capital of, nor the income from, the Trust Fund is to be used for the payment of salaries or scholarships.

In terms of the will a committee, known as the James Arthur Pollock Memorial Fund Committee, was constituted to advise the Senate of the University on the research projects to be supported from the Fund. The committee comprises the Vice-Chancellor, the Chairman of the Academic Board, the Dean of the Faculty of Science, and the Professors in the subjects of Mathematics and Physics.

#### **John Joseph Wardell Power Bequest**

John J. W. Power graduated Bachelor of Medicine from the University in 1904 and after practising in Sydney went to London for postgraduate study. He maintained a Paris Studio and mixed with some of the most famous names in that city's art world. In 1939 he settled near St Helier, the capital of Jersey, where he continued his painting and studies until 1942 when he died at the age of 62. In his will Dr Power bequeathed much of his fortune to the University.

In May and September 1965 the Senate decided that the Power Institute of Fine Arts should be set up and should comprise:

- (i) The Power Department of Fine Arts
- (ii) The Power Gallery of Contemporary Art, and
- (iii) The Power Research Library of Contemporary Art.

The Senate also decided that:

(a) There should be a Power Professor of Contemporary Art, who should also be Director of the Institute. The Power Professor/Director should be responsible to the Senate for the conduct of the Power Institute of Fine Arts and should present each year a report to the Senate on the activities of the Institute.

(b) The Power Department of Fine Arts should provide courses for the students proceeding to

degrees in the Faculty of Arts and in the Faculty of Architecture and in such other faculties as may from time to time be determined, and for extension courses in the Centre for Continuing Education.

#### **Hilda Pratt Bequest**

Miss H. Pratt who died in 1968 bequeathed fifteen per cent of the residue of her estate to the University for cancer research.

The University has received \$162 929.

#### **Raymond E. Purves Chair in Surgery**

By deed in 1977 The Raymond E. Purves Foundation Limited endowed the Raymond E. Purves Chair in Surgery in the field of Transplantation, by the donation of \$350 000 in two equal amounts.

#### **James Renwick Pye Bequest**

James R. Pye bequeathed the sum of \$5000 to the University in 1970, to be applied for the relief of arthritis.

#### **Aldyth E. Quaife Fund**

Established in 1955 by a bequest of £6650 from the late Aldyth Ettie Quaife.

Under the terms of the bequest the income from the fund is to be applied for the purpose of research in such branch or branches of medicine as the Senate may from time to time determine. The income is at present transferred to the Consolidated Medical Research Funds Account.

#### **Frederick Harrison Quaife Memorial Fund**

In 1929 Dr C. H. Quaife donated the sum of £1500 to the University for the purpose of establishing the Frederick Harrison Quaife Memorial Fund in memory of his late father. The income from the fund is to be used from time to time to purchase books and instruments for use in the Physics Laboratory.

#### **Augusta Sophia Quigley Bequest**

Miss A. S. Quigley who died in 1972 bequeathed to the University a legacy of \$2000 and a share in the residue of her estate, determined by her trustees to be a one-twelfth share.

The University has received assets valued at \$137 461.

#### **Florence Stewart Quiney Bequest**

Miss F. S. Quiney who died in 1983 bequeathed the residue of her estate to the University for the Faculty of Veterinary Science.

The University received \$38 139.

#### **Vera Ramaciotti Bequest**

Miss V. Ramaciotti who died in 1982 bequeathed a legacy of \$5000 to the University to be used for the purposes of medical education and research.

#### **Ida Raw Bequest**

Miss Raw who died in 1983 bequeathed the residue of her estate to the University for research into arthritis.

The University received \$33 473.

#### **Nina Anne Vero Read Bequest**

Miss N. A. V. Read who died in 1967 bequeathed the residue of her estate to the University for the Medical Foundation for research into cancer, cancer detection and heart diseases.

The University received \$109 559.

**Reckitt & Colman Chair of Clinical Pharmacology**  
In 1977 Reckitt & Colman Australia Limited agreed to fund the establishment of the Reckitt & Colman Chair of Clinical Pharmacology.

The University has received \$123 120.

#### **Alan Richard Renshaw Bequest**

Alan R. Renshaw who died in 1975 bequeathed to the University: twenty original paintings by Jeffrey Smart to be kept together as an in-depth collection for exhibition; other works of art considered by the University to be of sufficient quality to be exhibited (those works the University considered unsuitable for exhibition were to be sold and the proceeds used to acquire other works for the purpose of exhibition), and an antique terracotta figure of Boetian origin to be preserved in the Nicholson Museum.

The University has received the full bequest with a value of approximately \$63 000.

#### **Francis Lewis Riethmuller Bequest**

Under his will F. L. Riethmuller who died in 1965 bequeathed to the University of Sydney his residuary estate, subject to certain life interests, to be 'used in the Medical School as the authorities of the said University may see fit'.

The value of the bequest was \$80 430.

#### **Stella Darnley Robb Bequest**

Miss S. D. Robb who died in 1979 bequeathed one-seventh of the residue of her estate to the University for the Chair of Australian Literature.

The University received \$12 803.

#### **Phyllis Wilhelmina Emmeline Roberts Bequest**

Miss P. W. E. Roberts who died in 1974 bequeathed the residue of her estate to the University with the wish that the proceeds be used for the purchase of books for the Fisher Library.

The University received \$54 783.

#### **Phyllis Keighley Robertson Bequest**

Under her will Phyllis K. Robertson who died in 1963 bequeathed to the University one-quarter of her residuary estate for cancer research.

The University received \$5486.

#### **Vera Gladys Robinson Bequest**

Under the terms of her will Vera G. Robinson who died in 1973 bequeathed one-half of her estate to the 'Postgraduate Medical Foundation, the University of Sydney, for Research of the Eyes and Research for Cancer'.

The University received assets valued at \$93 617.

#### **Peter Nicol Russell Endowment for the Department of Engineering**

In 1896 the late Sir Peter Nicol Russell of London (formerly of Sydney), presented to the University a sum of £50 000 for the endowment of the Department of Engineering. In 1904 he gave a second sum of £50 000, making £100 000 in all.

The second gift was made as an extension of the first endowment, with an additional obligation for the establishment of efficient teaching in Electrical Engineering and for the foundation of additional scholarships.

In making the second endowment Sir Peter Russell stipulated that the Government of New South Wales should undertake to hand to the University, within three years, a sum of £25 000 to provide an extension of the buildings of the School of Engineering or to

erect new buildings. This the Government agreed to do, and a building was erected from the designs prepared by the Government Architect.

The Deeds of Gift provide—

(1) That the Department of Engineering at present existing in the University, together with such additions as may be made thereto, shall be called the Peter Nicol Russell School of Engineering.

(2) That the University shall, out of the income to be derived from the endowments, afford both practical and theoretical teaching in the following subjects, in so far as such subjects relate to the School of Engineering, viz., Mechanical Engineering, Electrical Engineering, Surveying, Mining, Metallurgy, Architecture, and such further instruction as the Senate of the University may deem necessary to give effect to the intention of Sir Peter Russell in connection with the P. N. Russell School of Engineering.

(3) That the University shall apply the income of the Fund in the maintenance of the P. N. Russell School of Engineering, but shall not charge such income with any proportion of the cost of the existing buildings, nor with the expense or any proportion thereof of service by ordinary attendants, nor with the expense or any proportion thereof of the Professorships of Mathematics, Chemistry, Physics, Geology, or the Challis Chair of Engineering.

(4) That scholarships shall be established for the encouragement of higher education in Mechanical Engineering to be called Peter Nicol Russell Scholarships.

Other conditions of the Deeds of Gift relate to the mode of investment of the principal sum, and provide that any unused surplus of income shall be added to the principal sum and invested as if it formed a part of this original donation.

#### **Beryl May Saywell Bequest**

Miss B. M. Saywell who died in 1977 bequeathed one-fifth of the residue of her estate to the University for the purpose of cancer and tuberculosis research.

The University received assets valued at \$25 883.

#### **Thea Jean Schnakenberg Bequest**

Mrs Schnakenberg who died in 1981 bequeathed one-quarter of the residue of her estate to the University for canine research in the Faculty of Veterinary Science.

The sum of \$8500 has been received.

#### **Luise Annie Sophie Schwabe Bequest**

Miss Schwabe, who died in 1967, bequeathed the residue of her estate, subject to a life tenancy now determined, to the University 'for the general purposes of the said University absolutely'.

The University received assets valued at \$46 551.

#### **Horace Scotow Bequest**

Horace Scotow who died in 1982 bequeathed to the University shares in Scotow Press Pty Limited, with the wish that the University will use the company's facilities.

The University received the shares valued at \$26 350.

#### **Ethel J. and Lyell Scott Foundation**

Under a 1961 deed of gift, Andrew Lyell Scott donated £10 000 to the University to establish a fund, to be known as the 'Ethel J. and Lyell Scott Foundation'. The income from the Fund is to be used for or towards research into the causes and treatment of Peritonitis.

There is a proviso in the deed to the effect that the Senate, in certain circumstances, may apply the income from the Fund towards research into other diseases.

#### **Everest York Seymour Bequest**

E. Y. Seymour who died in 1966 bequeathed the residue of his estate to his trustees for the purpose of the purchase or construction of a building (or to go towards a fund for the purchase or construction of a building) in the City of Sydney to serve as a centre for the cultivation, education and performance of musical and dramatic arts befitting the City of Sydney by vesting the residue in one of several named beneficiaries or such other public authority as the trustees considered fit. After due consideration the trustees vested the residue in the University for the construction of the Seymour Centre.

The University received distributions of capital totalling \$2 842 671.

#### **Caroline Freda Shaunessy Bequest**

Mrs Shaunessy, who died in 1984, bequeathed one-fifth of the residue of her estate to the University for general purposes.

The sum of \$7638 has been received.

#### **Aileen Marion Sherer Bequest**

Mrs A. M. Sherer who died in 1978 bequeathed the residue of her estate to the University for the Department of Anatomy.

The University received \$27 357.

#### **George Shirley Memorial Fund**

In 1951 an anonymous donor made a gift of £1000 to the University to be used in the Faculty of Agriculture for research and teaching in soil analysis.

#### **Frank Granger Spurway Bequest**

Frank G. Spurway who died in 1966 bequeathed the residue of his estate to the University to be used 'for such purposes as the Senate of the University shall in its absolute discretion think fit'.

The University has received assets valued at \$847 254.

#### **Enid Nesta May Stewart Bequest**

Under her will the late Enid Nesta May Stewart bequeathed to the University her residuary estate 'to be applied towards medical research in such a manner as the Senate thereof shall in its absolute discretion think fit'.

The University received \$34 700.

#### **George Stewart Bequest**

George Stewart who died in 1976 bequeathed half of his interest in the estate of his father Thomas Stanley Summerbays to the University, to be known as the Margaret Stewart Fund for the Department of Psychology for research into relationships between ethics and behaviour.

The University received \$27 350.

#### **Susan Florence Stewart Bequest**

Under her will Mrs S. F. Stewart who died in 1966 bequeathed a proportion of her estate, as determined by her trustees, to the University 'to be applied for the purposes of cancer research as the Senate of the said University may determine'.

The University received \$5118.

**Lily Sinclair Stove and Ada Gladys Mackenzie Stove Bequests**

The late Misses L. S. Stove and A. G. M. Stove bequeathed their residuary estates to the Medical Foundation in the University without condition.

The University received \$52 660.

**Arthur Sulman Bequest**

Under the terms of his will Arthur Sulman bequeathed the sum of \$20 000 to the University, to be applied for the purposes of the Medical Foundation.

**Dr E. L. Susman Bequest**

Dr Eric Leo Susman died in 1959. He was Warden of Clinical Studies at Royal Prince Alfred Hospital. Under his will he bequeathed £5000 to the University, to be invested at the University's discretion. The income from this capital sum (which was received in 1960) is to establish a fund to subsidise any medical graduate of the University 'who may be going abroad to do research or make further studies in any branch of internal medicine or to augment the income of some person who, in the opinion of the University, is a deserving person and who had been awarded a travelling scholarship and who may require further funds for his wife and family to accompany him, or for some similar purpose'.

The subsidy contemplated by the bequest is available every three years.

**Sydney Tapping Bequest**

Sydney Tapping who died in 1959 bequeathed his residuary estate, subject to a life interest, to the University, 'to be applied by the Postgraduate Committee in Medicine for the time being for the purpose of medical research and assisting and encouraging medical graduates to undertake research work'.

On the death of the life tenant in 1966 the residuary estate, which included property and funds to the value of \$100 000, was transferred to the University.

**Evelyn Pansy Templeton Bequest**

Miss Templeton, a retired physical education teacher, died in 1985, leaving the residue of her estate 'upon trust for the University of Sydney Medical School for general research'.

The value of the bequest is estimated to be \$50 000.

**Christian Rowe Thornett Bequest**

Mrs C. R. Thornett who died in 1972 bequeathed to the University, five-twentieths of her residuary estate for the teaching and development of Agricultural Science.

The University received assets valued at \$161 061.

**Albert Thornhill Bequest**

Mrs A. B. Thornhill who died in 1975 bequeathed the residue of her estate to the University to be known as the 'Albert Thornhill Bequest' in memory of her late husband Albert Thornhill, MA (Cambridge) AMC (Oxford) Dip. London School of Dietetics. The bequest is to be used and applied in such manner as the Senate may determine for advancement, encouragement, study and/or development of dietetics and/or the application of dietetic principles to the treatment of disease.

The University has received assets valued at \$17 180.

**Alexander Hugh Thurnburn Fund**

Miss Mary Esme Thurnburn who died in 1970 bequeathed her residuary estate to the University, to es-

tablish the 'Alexander Hugh Thurnburn Fund' in the Faculty of Agriculture, to be used 'for such purposes as the governing body of the University thinks best'.

The University received assets valued at \$194 809.

**Thomas John Treacy Bequest**

Mr Treacy who died in 1985, bequeathed half of his estate to the University 'with a request that the bequest to the University of Sydney be used for research purposes in the Department of Physiology for research other than research in space medicine'.

The value of the bequest has been estimated at \$40 000.

**Ellis Le Geyt Troughton Bequest**

Ellis Le G. Troughton who died in 1974 bequeathed the residue of his estate to the University for the Dene Fry Library. This library is now incorporated into the Badham Library.

The University received assets valued at \$51 084 and further amounts are received as royalties.

**Turland Endowment**

W. C. Turland who died in 1939 bequeathed his residuary estate to the University.

The bequest is known as 'the Turland Endowment' and the income is used to promote, assist and extend 'education, teaching and research in the said University in respect of soil chemistry, soil physics, soil bacteriology, plant disease, plant breeding, insect pests, dairy chemistry and bacteriology, and such other scientific research in the said University, as the said Senate in its absolute discretion shall decide is most calculated to solve all or any of the difficulties of the farmers, graziers, or other primary producers of the State of New South Wales'.

The University received assets valued at \$176 236.

**William Tyree Chair in Otolaryngology**

The Tyree Foundation provided \$250 000 which together with other funds provided for the establishment of the Chair in 1982.

**A. S. Vallack Bequest**

Dr A. S. Vallack who died in 1930 bequeathed half the residue of his estate to provide a capital fund, the income from which was to be devoted to research in the subject of heredity, vegetable, animal or human, more particularly the latter. He provided that the income might be used only to found lectureships and scholarships, for the purchase of equipment, or for other purposes necessitated by such research.

In 1981 the University received assets valued at \$35 773 as capital.

The income is accumulated and about every five years each department is asked to submit a request for its use.

**Ottomar George Vickery Bequest**

Ottomar G. Vickery who died in 1981 bequeathed one-third of the residue of his estate, subject to a life interest, to the University for the Faculty of Engineering.

The value of this bequest has been estimated at \$116 658.

**John Leopold Von Mioduszewski Bequest**

John L. Von Mioduszewski who died in 1942 bequeathed one-third of the residue of his estate, subject to a life interest which terminated, to the University for cancer and other medical research.

The University received assets valued at \$16 973.



#### **George Walker Fund**

Dr G. Walker who died in 1948 bequeathed to the Medical School of the University the residue of his estate after the payment of certain legacies. The bequest amounted to approximately £1146 and it is to be used by the Faculty of Medicine for whatever purpose it shall determine.

#### **Jean Wilgress Walker Bequest**

Mrs Walker who died in 1982 bequeathed the residue of her estate to the University for the establishment of a fellowship to be known as the 'Jean Walker Trust Fellowship' for research or experimental work into the cause of disease or the prevention of disease or treatment of disease in animals in Australia.

The sum of \$396 049 has been received.

#### **Frederic James Wallis Bequest**

Frederic J. Wallis, of Sydney, died in 1960. Under his will he bequeathed to the Senate of the University the sum of £20 000 free of duties, to be allocated for the following purposes:

- (a) as to the sum of £10 000 for any purpose of the Medical Foundation;
- (b) as to the remaining £10 000 for such of the general purposes of the said University of Sydney as its Senate may decide.

The amount of £20 000 was received in 1961.

#### **The Leo and Dulcie Walsh Hearing Research Fund**

In 1984 Mrs D. E. Gam donated assets worth \$10 000 to establish the Leo and Dulcie Walsh Hearing Research Fund in the Department of Surgery.

#### **Frederick William Ward Bequest**

Under the terms of his will F. W. Ward who died in 1934 bequeathed one-third of his estate, after the death of all his children and those legally entitled to a share in the income from the estate, to the University to be applied 'in such manner as the governing body of the said University of Sydney may from time to time think fit in the furtherance of research in some branch of science'.

The University's share in the residuary estate was \$6000.

#### **Oswald Watt Fund**

Colonel Oswald Watt who died in 1921 bequeathed the residue of his estate, valued at £107 948, upon trust to the University 'for such uses for the benefit of the institution as the Senate in its absolute discretion should determine'.

#### **Gwendoline May Weidmann Bequest**

Gwendoline M. Weidmann who died in 1976 bequeathed one-sixth of the residue of her estate to the University 'for the purpose of research into cerebral haemorrhage (or strokes)'.

The University received assets valued at \$26 897.

#### **John Paul White Bequest**

J. P. White, who died in 1973, bequeathed his residuary estate to the Medical Foundation 'for the promotion of research into cancer as the Senate of the University may determine'.

The University received \$19 326.

#### **Wilson Rivers Lovett White Bequest**

Mr White who died in 1976 bequeathed half of the residue of his estate to the University.

The University received \$120 127.

#### **Myra May Williams Bequest**

Myra May Williams who died in 1985 left her entire estate to the University for research into the human heart.

It is anticipated that in excess of \$400 000 will be received.

#### **Marion Ethel Wilson Bequest**

Mrs M. E. Wilson who died in 1981 bequeathed one-half of the residue of her estate to the University for medical research.

The University received \$20 193.

#### **Cyril Raymond Wise Bequest**

Cyril R. Wise who died in 1968 bequeathed \$10 000 to the University for general purposes.

The University received the full legacy.

#### **Genevieve Pearl Wood Bequest**

Under her will the late Mrs G. P. Wood bequeathed one-half of her residuary estate to the University to be used towards cancer research.

The University received \$12 152.

#### **Florence Agnes Wright Bequest**

Miss F. A. Wright who died in 1979 bequeathed one-sixth of the residue of her estate to the Cancer Research Fund at the University for general purposes.

The University received \$10 273.

#### **Elizabeth Wunsch Bequest**

Miss E. Wunsch who died in 1975 bequeathed one-third of the residue of her estate to the University for pharmaceutical research.

The University received \$52 138.

## Sponsored and endowed lectureships

### Allen Allen and Hemsley Visiting Fellowship

The Allen Allen and Hemsley Visiting Fellowship was established in 1984 by an offer from Messrs Allen Allen and Hemsley, Solicitors, to provide funds for the appointment on an annual basis of a distinguished lawyer to the Department of Law. The Fellowship may be awarded not more than once annually to a candidate appointed by the Vice-Chancellor and Principal on the recommendation of the Allen Allen and Hemsley Visiting Fellowship Committee.

Conditions of award of the Fellowship governing eligibility are as follows:

1. The Fellowship may be awarded only to a person who has achieved eminence in legal scholarship by writing or otherwise but shall not be limited to academic lawyers.
2. The Fellow shall be required to undertake full-time teaching duties in relation to undergraduate and graduate students of the department in fields relevant to the applicant's qualifications.
3. Pursuant to the arrangements between the University and Allen Allen and Hemsley, the University is required to make the Fellow available to the firm for such staff seminars, consultations and other public or private engagements as may at the time of the Fellow's appointment or from time to time thereafter be agreed between the head, the firm and the Fellow.
4. The University shall be entitled to copyright in any lectures and papers delivered by the Fellow during the term of tenure of the Fellowship in the course of any engagement undertaken pursuant to 3.
5. The term of the Fellowship will be not less than three months and not more than six months.
6. The method of remuneration is negotiable but shall correspond in value to the current salary rate for a Professor of Law in the University of Sydney for the period of tenure (exclusive of the period of travel to and from Australia) and the Fellow will be provided with one economy return air fare from his or her normal place of residence to Sydney.

### Australian Society of Accountants Research Lecture

In 1945 the Commonwealth Institute of Accountants offered to provide the sum of £30 per annum for a period of five years for the purpose of arranging an annual lecture on Accountancy in the Faculty of Economics. In 1951 the Council of the Commonwealth Institute of Accountants renewed the agreement for a further period of four years commencing in 1952, the

lecture to be given biennially instead of annually and the Institute to provide the sum of £30 in each of the two years in which the lecture was held.

When the Commonwealth Institute of Accountants joined with the Federal Institute of Accountants, the new body was called the Australian Society of Accountants and thereafter the name of the lecture became the Australian Society of Accountants Research Lecture. A sum of \$100 is provided each year the lecture is held.

### Herbert Blaiklock Memorial Lecture

Founded in 1970 by a gift of \$2000 from Lady Persia Gallegghan, daughter of the late Herbert Blaiklock, to establish an annual memorial lecture in the name of her father. Mr J. Blaiklock donated \$1000 in 1973, and Miss Nan H. Blaiklock donated \$500 in 1973 and a further \$500 in 1974, towards the lecture. Annie Hibbard Blaiklock who died in 1981 bequeathed \$4000 towards the lecture.

The following conditions apply to the lectureship:

- (1) The Lecture shall be known as 'The Herbert Blaiklock Memorial Lecture'.
- (2) The purpose of the Lecture shall be to foster interest in Australian Literature and to commemorate the Australian poet Henry Kendall.
- (3) The Lectures shall be arranged annually and the first of the Lectures shall be given on the poet Henry Kendall.
- (4) The Professor of Australian Literature shall be responsible for arranging the Lectures.
- (5) The Lecturer shall be appointed by the Vice-Chancellor on the recommendation of the Professor of Australian Literature.
- (6) The emolument of the Lecturer shall be \$100.
- (7) The annual income of the Fund shall be used for the payment of the Lecturers and any income in excess of this payment may be used for the publication of the Lectures.

### J. I. Carroll Memorial Fellowship

1. The J. I. Carroll Memorial Fellowship was established in 1956 for a period of ten years, maintained by an annual donation of £500 from Electricity Meter and Allied Industries Ltd, as a memorial to the late J. I. Carroll, Chairman and Managing Director of the company.
2. The object of the Fellowship is to provide for the appointment from time to time of a visiting Fellow in the Faculty of Engineering in the University of Sydney.
3. A visiting Fellow shall be appointed by the Senate on the recommendation of the Faculty of Engineering and the Academic Board after nomination by the Dean of the Faculty of Engineering. The Fellow shall undertake such lecturing and other duties as may be arranged by agreement with the Dean of the Faculty.
4. A visiting Fellow shall not be appointed more frequently than once in each second academic year. With the approval of the University of Sydney the Fellow may be permitted during this period to visit other Australian universities.
5. Travelling and accommodation expenses incurred in visiting the University of Sydney by the visiting Fellow and an honorarium of not less than \$210 shall be paid from the fund on the recommendation of the Dean of the Faculty of Engineering.

### George Judah Cohen Memorial Lectureship

The Lectureship was established in 1937 by a gift of £1000 from the sons and daughters of George Judah

Cohen, who died in 1937 aged 94. George Judah Cohen had been an influential figure in business and in community and charitable work in Sydney for many years. He served on the Board of Directors of the Commercial Banking Company of Sydney from 1885 until his retirement shortly before his death: he was Chairman of the Board from 1901 until his retirement. He was also prominently associated with a number of other companies, most notably the Australian Gaslight Co. of which he was a director for 46 years, being Chairman of directors for 44 years. The gift to the University in 1937 was to provide a lectureship to perpetuate the name of George Judah Cohen, the lecture or lectures to be delivered on a subject of national importance.

The capital fund of the lectureship was increased by a bequest of \$4000 to the University by Alroy Maitland Cohen, a son of George Judah Cohen, who died in 1966.

The Lectureship, known as the George Judah Cohen Memorial Lectureship, is administered in accordance with the following conditions:

- (1) The Lecturer shall usually be appointed every second year, beginning with 1939, and the person appointed shall deliver a public lecture or lectures on a subject of national importance.
- (2) The remuneration of the Lecturer shall be determined on the recommendation of the committee appointed in accordance with section 5(a) below.
- (3) The University, in consultation with the Lecturer, shall make arrangements for the publication of the lecture or lectures in a form suitable for public sale.
- (4) The incidental expenses and cost of publication of the lecture or lectures shall be met out of the income from the fund.
- (5) (a) The Lecturer shall be appointed by and the subject of each lecture shall be approved by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board, four members appointed biennially by the Academic Board in February of the year in which the arrangements for the lecture are to be made, and the Director of the Centre for Continuing Education.
- (b) The Committee shall invite all heads of departments and schools to submit suggestions concerning the lectureship and the Committee shall then consult with the heads of the departments and schools whose disciplines may be pertinent to the proposed topic of each lecture before transmitting its recommendation to the Academic Board.
- (6) The Centre for Continuing Education shall be entrusted with the arrangements for the lectures and shall consult with members of the family of George Judah Cohen in making the arrangements.

#### **Cottees General Foods Lecture in Nutrition**

Founded in 1979 by the support of Cottees General Foods Limited as an annual lecture to be given by a visiting lecturer, for example from a university or research organisation, on a subject in the general area of food and nutrition. The value of the Lecture will be up to approximately \$600 to cover the lecturer's expenses and/or an honorarium. The lecturer will be appointed

by the Vice-Chancellor on the recommendation of the Boden Professor of Human Nutrition.

LECTURESHIPS

#### **Malka Einhorn Lectureship in Modern Hebrew**

Founded in 1975 by the support of Mr Stephan Einhorn for a period of eight years, Mrs Felicia Einhorn and others, in the Department of Semitic Studies.

#### **William Hilton Hovell Lectureship in Geology and Physical Geography**

In 1877 certain property situated in Goulbourn was bequeathed by the widow of the late William Hilton Hovell for the endowment of a professorship or lectureship in Geology and Physical Geography, in honour of her late husband. The property was later sold. The lectureship is now held together with the Edgeworth David Chair of Geology.

#### **Geoffrey Wellesley Hyman Memorial Lectureship**

Founded in 1931 by a gift of about £300 from subscribers to a memorial of the late Geoffrey Wellesley Hyman, BA, who while an undergraduate in the Faculty of Law gave his life, in his twenty-fourth year, on 29 February 1930, in trying to save a girl from drowning in the surf at Tamarama Bay, Bondi. The funds were received from the Chairman of the New South Wales Jewish War Memorial Appeal and the President of the Students' Representative Council for establishing a prize, lectureship or scholarship in the Law School. The income is applied for a lectureship in Industrial Law, called the Geoffrey Wellesley Hyman Lectureship.

#### **Linnean Macleay Lectureship**

In 1891 Sir William Macleay bequeathed to the Linnean Society £12 000 to provide for the salary of a bacteriologist to the Linnean Society. As the income from the fund was insufficient to meet the full salary of such a bacteriologist, it was agreed in 1956 that the income from the fund be made available to the University, in part payment of the salary of a lecturer or senior lecturer in the University.

The holder of the lectureship will be a bacteriologist and the title of the position will be the Linnean Macleay Lectureship in Microbiology. Dr (now Professor) Y. T. Tchan was appointed first Linnean Macleay Lecturer in Microbiology.

The laboratory equipment held by the Society for the Macleay bacteriologist was made available on loan to the University for the use of the lecturer.

#### **Liversidge Research Lectureship in Chemistry**

Founded in 1928 by a bequest of £500 from the late Professor Archibald Liversidge, MA LL.D., FRS, Professor of Chemistry in the University, 1874-1907. Bequests of a similar amount and for a similar purpose were also made at the same time to the Royal Society of New South Wales, and to the Australasian Association for the Advancement of Science.

The following conditions apply for the appointment of the Liversidge Research Lectureship in Chemistry:

1. Under the will of the testator the bequest is for the express encouragement of research in chemistry and for the purpose of drawing attention to the research work which should be undertaken and indicating how it might best be carried out. The testator expressed the wish that the subject should be elucidated by as many workers as possible, and stipulated that no lecturer should hold office for more than one year, provided that after an interval of not less than two years a lec-

turer should again be eligible unless in the meantime he had held one of the Liversidge Lectureships founded in the other two institutions named.

2. The University of Sydney may not appoint a member of its own teaching staff to the Lectureship.
3. The University of Sydney Liversidge Research Lecturer will usually be appointed annually.
4. The selection of the Lecturer and a subject shall be made by the Vice-Chancellor and Principal on the advice of a Committee consisting of the Professors of the School of Chemistry, under the chairmanship of the Head of the School of Chemistry.
5. This committee shall be entrusted with the arrangements for the lecture, and shall consult with the Royal Society of New South Wales and the Australian and New Zealand Association for the Advancement of Science.
6. Remuneration of the Lecturer will be at least \$50 and all travel and accommodation expenses incurred by the lecturer as approved by the Vice-Chancellor and Principal will be paid for from the Bequest.

#### **R. C. Mills Memorial Lectureship**

The R. C. Mills Memorial Fund was founded in 1956 for the purpose of establishing a Memorial Lectureship in memory of the late Professor R. C. Mills, who was Professor of Economics from 1922 to 1945.

At 1 January 1976 the Fund amounted to approximately \$4200. The income from this Fund is to be used to meet the expenses of arranging for the delivery and publication of a periodical lecture in the Faculty of Economics, to be called the R. C. Mills Memorial Lecture.

The first lecture was delivered on 29 April 1958.

#### **W. W. Perry Lectureship**

Established in 1924 by a gift of \$250 from an anonymous donor for the foundation of a lectureship in the Faculty of Law in memory of the late William Wentworth Perry, barrister-at-law. The amount was increased in 1925 by a gift of £100 from the same donor.

The income from the gift is devoted to a lectureship in Legal Ethics styled the W. W. Perry Lectureship.

#### **Pollock Memorial Lectureship**

The Pollock Memorial Fund was founded in 1923 as a result of an appeal by the University and the Royal Society to found a memorial to the late Professor J. A. Pollock, DSc, FRSc, Professor of Physics in the University of Sydney, 1899-1922.

The Fund remained in the hands of the trustees of the Royal Society until 1946 when the capital of £573 was transferred to the University.

The Pollock Memorial Lectureship was established in 1946 under the following conditions:

- (1) Pollock Memorial Lectures will be delivered in Sydney, in general at intervals of three years.
- (2) The lectures will be open to the public (free or at a nominal fee) but are not to be popular lectures nor such as are intended for the ordinary lecture room instruction of undergraduates. The lectures should be such as will primarily encourage research and stimulate the lecturer and public to think and acquire new knowledge by research rather than merely giving instruction in what is already known.
- (3) An advisory committee will be appointed, including the Vice-Chancellor, the Registrar, the Dean of the Faculty of Science, the Professors of Physics, the Professors of Mathematics, and representatives of the Royal Society.

- (4) The fee to be paid to the lecturer will be at least sixty dollars.

#### **Kathleen Robinson Lectures on Drama and the Theatre**

Founded in 1957 by a gift of £5000 from Miss Kathleen Robinson. The income is to be used for annual public lectures on Dramatic Literature, Play Writing, Theatrical Production and related subjects. Arrangements for the lectures are made by the Extension Board with the advice of a committee consisting of Miss Kathleen Robinson, the Chairman and the Secretary of the Board of Adult Education, the Chairman of the Academic Board, the Dean of the Faculty of Arts, the Professors of English, two members of the Department of English nominated by them, the Professor of French, the Professor of German and Emeritus Professor A. K. Stout.

#### **Geoffrey Sulman Memorial Lectureship**

Founded in 1933 by a gift of £500 from Sir John Sulman and Lady Sulman for the advancement of the study of Aeronautics in the University. The benefaction, together with the accumulations of the Geoffrey Sulman Memorial Prize Fund, provides for the Geoffrey Sulman Memorial Lectureship in Aeronautics.

#### **G. A. Taylor Memorial Lectureship in Aeronautics**

Founded in 1929 by a gift of £1100 from the G. A. Taylor Memorial Committee to establish a lectureship in Aviation or Aeronautical Engineering.

- (1) The lectureship shall be known as the G. A. Taylor Memorial Lectureship in Aeronautics.
- (2) A course of lectures on some branch of Aeronautics will be delivered by a lecturer appointed annually by the Senate, on the recommendation of the Faculty of Engineering.
- (3) The income from the Fund shall be used for the payment of the lecturer and for any incidental expenses in connection with the lectureship.
- (4) The emolument of the lecturer will be such sum as may be determined by the Vice-Chancellor on the recommendation of the Faculty of Engineering, having regard to the funds available.

#### **Todd Memorial Lectureship**

The Todd Memorial Fund was founded in 1944 for the purpose of establishing a memorial lectureship in memory of the late Professor F. A. Todd who was appointed as Lecturer in Latin in 1903, Assistant Professor in 1913 and Professor of Latin in 1922. He died in 1944.

In 1945 the sum of about £280 was handed to the University, the interest accruing from these funds to be used for the purpose of holding a Todd Memorial Lecture from time to time.

The first lecture was delivered in 1946.

#### **Vernon Memorial Lectureship in Town Planning**

Founded in 1915 by a gift of approximately £810 from subscribers to a memorial of the late Colonel Walter Liberty Vernon, who was Government Architect for twenty-one years, and who designed the original Fisher Library and other buildings at the University.

The following proposal made by the subscribers was approved by the Senate: 'That this meeting of subscribers to the Vernon Memorial Fund offers the sum of £810 6s. 6d. to the Senate of the University for the purpose of founding a course of twenty lectures on "Town Planning", to be delivered biennially, and to be known as the Vernon Memorial Lectureships, the

Senate having the power to reconsider the disposal of the income at ten-year intervals, provided always that the object to which it is applied shall be within the limits of Architecture, Town Planning, or some allied subject'.

During 1938 the Senate reviewed the question of the disposal of the income from the fund. On the recommendation of the Faculty of Architecture and of the Professorial Board, the Senate decided that the *biennial course of lectures should be discontinued and the income of the fund devoted to the establishment of a professional course in Town Planning to be delivered annually and to be open to graduates in Architecture and Engineering and to other qualified persons.*

In 1949 the Senate decided that the income from the Vernon Memorial Fund should be applied to the maintenance of the course of lectures within the Town and Country Planning postgraduate diploma course called 'Architecture as related to Town and Country Planning', or to such other lectures within the Town and Country Planning diploma course as the Faculty of Architecture might from time to time decide.

In 1980 the Senate decided that as the Department no longer offers the course 'Architecture as related to Town and Country Planning', the income from the Vernon Memorial Fund should be used to support part-time teaching in the course 'Urban Design'.

#### **G. A. Wood Memorial Lectureship**

The Wood Memorial Fund was founded in 1929 to establish a memorial to the late Professor G. A. Wood, who was Challis Professor of History from 1891 to 1928.

In 1933 the sum of about £384 was received from the Wood Memorial Fund and it was decided to institute Wood Memorial Lectures, embodying research in history, preferably Australian history, to be given every three years. It was also decided to allow the capital to accumulate until the annual income from the Fund reached the sum of \$36.

The first Wood Memorial Lecture was delivered in 1949.



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# Scholarships, prizes and bursaries

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<b>Bursaries</b>	<b>443</b>
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<b>Matriculation scholarships and prizes</b>	<b>447</b>
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<b>Undergraduate scholarships and prizes</b>	<b>450</b>
(1) by faculty or board of studies	450
(2) by department	485
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<b>Postgraduate scholarships and prizes</b>	<b>500</b>
(1) General research and course awards	500
(2) Postgraduate scholarships and prizes awarded by the University	501
(3) Travelling scholarships awarded by the University	535
(4) Postgraduate scholarships and prizes awarded by external bodies	538
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<b>Prize compositions</b>	<b>542</b>





given to a student who is taking both Latin and Greek for the degree of Bachelor of Arts.

(3) Under the above provisions the usual conditions of private bursaries obtain.

The annual value is \$450.

## Harrie Barrett Bursary

Established in 1981 by the offer of an annual donation of \$1000 for her lifetime by Mrs Harrie Barrett to establish an annual bursary for the maintenance, education and benefit of undergraduate students in the Faculty of Veterinary Science.

The bursary may be awarded on the recommendation of the Dean of the Faculty of Veterinary Science, to a candidate who is enrolled in the third or fourth year of the degree of Bachelor of Veterinary Science, who requires assistance to meet student expenses and who has to the satisfaction of the Dean demonstrated academic merit, good conduct and concern for the welfare of animals. The Dean may consult with the heads of the departments in the faculty. The bursary may be held for up to three years.

Value, up to \$1000 per annum.

## Board of Social Study and Training Bursary

Established in 1941 by a gift of £66 15s 3d from the Board of Social Study and Training. The money was to be held in trust for students undertaking a course in social studies at the University, and who required financial assistance.

The bursary may be awarded on the recommendation of the Head of the Department of Social Work to a candidate for the degree of Bachelor of Social Studies who requires financial assistance to meet student expenses and who has, to the satisfaction of the head of department, demonstrated academic merit in secondary or tertiary education. Value, \$75.

## K. E. Bullen Bursary

For conditions of award see under *Undergraduate scholarships and prizes: Mathematics*.

## Burdekin Bursary

In 1876 the sum of £1000 was given by Mrs Burdekin for the foundation of a bursary, to be called the Burdekin Bursary. The bursary is to be awarded to students whose parents are not resident in Sydney. The annual value is \$200 per annum for three years.

## William and Edith Burrows Bursaries

In 1960 a trust was established by an offer from Miss Elsie Emily Margaret Ockenden for the establishment of a bursary to be called the William and Edith Burrows Bursary. In 1971 further William and Edith Burrows Bursaries were established as a result of a specific provision made in the estate of the late Miss Elsie Emily Margaret Ockenden. The bursaries are awarded to matriculated students who are proceeding to the degree of Bachelor of Dental Surgery in the Faculty of Dentistry. The value of each bursary is approximately \$200.

## Ann Carswell Bursary

Established in 1943 by a bequest of £1000 from the late Ann Carswell. The bursary is awarded to a student who has matriculated and intends to proceed with studies in Arts and who could not proceed without financial assistance. The annual value is \$150.

## Bursaries founded by Mrs M. A. Dalley

### 1. The George and Margaret Shirbin Bursary

Founded in 1922 by a bequest of £2000 from Mrs M.

The bursaries at the disposal of the University have all been created by private foundations. The capital sums are held in perpetuity with the bursary funded from the income from interest on the capital. The value of such bursaries ranges from \$40 to \$1000.

Unless otherwise specified, the bursaries are tenable in any Faculty.

The conditions on which the bursaries are awarded are:

(1) That the Vice-Chancellor shall have received satisfactory assurance that the candidate's own means, and those of his parents, guardians, 'or other friends' (as expressed in some of the foundations), are insufficient to enable him to bear the cost of attending the university without the assistance of a bursary.

(2) The bursaries shall be awarded from year to year on academic merit and the holder shall be diligent and of good conduct.

(3) The bursary or bursaries shall be awarded for an undergraduate degree course.

All students of the University who shall, during their course, have received bursaries or exemptions from fees are invited by the Senate to make returns to the University, when their circumstances in life shall permit, for the purpose of conferring like benefits on future students. The names of all students making such returns will, if so desired, be published in the Calendar.

## Maurice Alexander Bursary

In 1874 the sum of £1000 was given by Mrs Maurice Alexander for the endowment of a bursary in memory of her late husband. The bursary is to be awarded to students whose parents are not resident in Sydney. The value is \$200 per annum for three years.

## Badham Bursary

Founded in 1886 by a gift of £1000 from subscribers to the Badham Memorial Fund for the foundation of a bursary in memory of Professor Charles Badham, DD, Professor of Classics, and last Resident Principal of the University.

### Conditions of award

(1) The bursary is confined to students in the Departments of Latin and Greek.

(2) Other things being equal, preference will be

<sup>1</sup> See also Sources of Financial Assistance to Students in the division of the Calendar entitled 'General Information'.

A. Dalley. Awarded to a soldier who has served abroad in the Australian Imperial Forces in the Great War, or the child or other descendant of such soldier. Other things being equal the bursary shall be awarded to the child or descendant of a soldier who lost his life on active service in the war in preference to any other candidate. It is expressly provided that the award of this bursary should be limited to candidates whose financial circumstances are such that, without the bursary, they would be unable to bear the cost of a university education. \$400, tenable for three years.

**2. The John George Dalley Bursary**

Founded in 1922, by a bequest of £1000 from Mrs M. A. Dalley. \$200, for a male student.

**3. The Mary Catherine Dalley Bursary**

Founded in 1922, by a bequest of £1000 from Mrs M. A. Dalley. \$200, for a female student.

**Duncan Bursary**

In 1901 the sum of £1000 was bequeathed to the University by Mrs Jessie E. Duncan, widow of Dr Duncan, R.N., for the foundation of a bursary in the Faculty of Arts, in accordance with such regulations as the Senate may determine. \$200 per annum.

**Norman John Dunlop Bursaries**

Established in 1941 by a bequest of £20 000 from Mrs Blanche Dunlop, widow of Dr Norman John Dunlop who graduated MB ChM in 1896 in the University of Sydney. The terms of the bequest stipulate that the bursaries are to be awarded to needy and promising students of British parentage of the Protestant faith in the Faculties of Medicine or Science or in the study of surgery.

A bursary shall be awarded by the deans of the Faculties of Medicine and Science to a student enrolled as a candidate for a bachelor's degree in either of these faculties who requires financial assistance to meet student expenses, who has, to the satisfaction of the deans, demonstrated academic merit and who otherwise satisfies the conditions of eligibility as stipulated in the bequest. Value, in the range of \$500–\$1000, to be determined by the deans.

**Alfred William Fairfax Bursary**

Founded in 1923 by a bequest of £1000 from the late Alfred William Fairfax. The income is to be used as a bursary in whatever subject or subjects the university authorities shall, in their absolute discretion, determine. The annual value is approximately \$150.

**Jean D. Foley Bursary**

The Bursary was established in 1983, with funds received following an appeal to former bursary holders. The University decided to use donations received to establish a bursary to be known as the Jean D. Foley Bursary as a tribute to Lady Foley's service to the University. Lady Foley graduated BA in 1946 and DipSocStud in 1947 from the University of Sydney. She served on the staff of the University from 1950 to 1953 and again from 1960 until 1975 when she held the position of Registrar.

The Bursary may be awarded annually on the recommendation of the Vice-Chancellor or a nominee of the Vice-Chancellor, to a candidate for a Bachelor's degree who requires financial assistance to meet student expenses and who has, to the satisfaction of the Vice-Chancellor or his nominee, demonstrated academic merit.

Value: maximum value of \$500. There may be more than one bursary each year, depending upon the availability of funds.

**Alice Mary Frazer Bursary**

Founded in 1921 by accumulations from the two funds mentioned below in accordance with the terms of the deed of gift. Value, up to \$1000.

**Ernest Manson Frazer Bursary**

In 1876 debentures for £1250, at 4 per cent, were given by the Hon. John Frazer, MLC, for the endowment of a bursary, of the annual value of up to \$1000, to be called after the name of his deceased son, Ernest Manson Frazer.

**John Ewan Frazer Bursary**

In 1876 debentures for £1250, at 4 per cent, were given by the Hon. John Frazer, MLC, for the endowment of a bursary, of the annual value of up to \$1000, to be called after the name of his deceased son, John Ewan Frazer.

**Ray Gardiner Memorial Scholarship**

Established in 1982 from a bequest of £1000 in 1953 from Rachel Gardiner in memory of Ray Gardiner, to establish a bursary for the benefit of undergraduate students enrolled in the Faculty of Medicine who are unable to meet the incidental costs of their education.

The bursary is awarded annually on the recommendation of the Dean of the Faculty of Medicine to a candidate proceeding to the degrees of Bachelor of Medicine and Bachelor of Surgery who requires financial assistance in order to meet student expenses and who has, to the satisfaction of the dean, demonstrated academic merit. More than one award may be made each year. Maximum value of each award, \$500.

**Sir Arthur George Fund**

This fund was created in 1974 from the Arthur T. George Foundation to assist students or those who could not begin university studies without assistance. Details of this fund are given elsewhere in the *Calendar* under the section 'Sources of financial assistance to students'.

**Gillam Scholarship**

In 1964 the University received £2040 from the estate of the late Annie Elizabeth Gillam to establish the Gillam Scholarship. It was decided that the scholarship would be awarded to a student not eligible for a Commonwealth Scholarship. The value of the scholarship may be up to \$350.

**Alice Hipsley Bursary**

Founded in 1944 by a bequest of £1000 from the late Alice Ellen Hipsley. Awarded to an undergraduate in the Faculty of Arts who has completed part of his course and, owing to financial difficulties, is unable to continue. Value \$200.

**Hunter-Baillie Bursaries, Nos. I, II, III, IV, V, VI, VII**

In 1877 a sum of £1000 was given by Mrs Hunter-Baillie for the foundation of a bursary, to be called the Hunter-Baillie Bursary for the sons of ministers of religion. A further six bursaries have since been established from accumulations of Hunter-Baillie funds. Value, \$500 each per annum.

**Keenan Bursary**

Established in 1950 by a bequest of £2000 from the late Thomas Joseph Keenan, for a bursary in the Faculty of Medicine. Value, \$200.

**Dr Don Lamond Memorial Fund**

Established in 1979 by a donation of \$6125 from his widow in memory of the late Dr D. R. Lamond, DVSc,

the income from the Fund to provide bursaries for the maintenance, education and benefit of undergraduate students in the Faculty of Veterinary Science. Candidates for the degree of Bachelor of Veterinary Science, other than First Year students, who are in temporary financial need and who have demonstrated aptitude for the course, appropriate academic merit and good conduct, may apply for a grant of up to \$400 from the fund. No more than one grant will be made to any one student.

Applications close on 31 March each year. Enquiries may be made to Dean's Office, Faculty of Veterinary Science.

#### **Levey and Alexander Endowment**

In 1879 a sum of £1000 was given by Mrs Maurice Alexander for the purpose of establishing an endowment in the University in memory of her late parents, Isaac and Dinah Levey and of her late husband, Maurice Alexander. It is intended for young men who shall have gone through the regular university course, and shall have passed the statutory examination for the degree of Bachelor of Arts in the University, and graduated with credit to themselves, and who shall then be desirous of entering a liberal profession, but be without sufficient pecuniary means to bear the cost of the necessary preparation and superior instruction.

It is directed that no regard whatever shall be had to the religious creed or denomination of any candidate, provided that his personal character and repute shall be good, and that in determining any such award the only considerations shall be such as have reference to the character and to the abilities and learning of the candidate, as proved by university examinations, and to his financial position.

The award is to be made to a graduate who shall have recently taken his BA degree; but preference shall be given to one who has graduated with honours.

The professions which are held especially in view are those of medicine and surgery, and of law in either branch, and those of architects, surveyors and engineers; but full discretion is given to the university Senate to include any other secular profession which shall be deemed by them to be of a learned or liberal character.

It is intended that the graduate selected under this endowment shall enjoy the income for three years either by one payment of not exceeding three hundred dollars (when sufficient accumulations are available) for fees or premiums on articles of pupilage; or by half-yearly payment of fifty dollars for three years; or partly in each way, as may be deemed by the Senate best for carrying out the objects in view.

#### **Sir Daniel Levy Bursaries**

Established in 1946 by gifts of £1000 each from Miss Anny Levy and the late Miss Clara Levy in memory of their brother, the late Sir Daniel Levy. Value, \$200.

#### **Roy Lindseth Bursary**

Established in 1983 through the commutation of fees for services rendered to the Earth Resources Foundation by Mr Roy Lindseth, President of Teknica Resources Development Limited of Calgary, Alberta, Canada, in favour of the establishment of a bursary.

The Bursary may be awarded annually, on the recommendation of the head of the Department of Geology and Geophysics, to a candidate for a bachelor's degree enrolled in a course or courses offered by the department who requires financial assistance to meet student expenses and who has, to the satisfaction of the head of the department, demonstrated academic merit. Value, \$180.

#### **John Spencer Nolan Bursary**

Established in 1983 by an endowment of \$20 000 from Miss Edna Spencer-Nolan to establish an annual bursary or bursaries in the Faculty of Dentistry in memory of her father, John Spencer Nolan, who practised dentistry in New South Wales from about 1890 until the early 1930s.

Awarded annually on the recommendation of the Dean of the Faculty of Dentistry to a candidate for the degree of Bachelor of Dental Surgery who requires financial assistance to meet student expenses and who has, to the satisfaction of the dean, demonstrated academic merit in secondary or tertiary education.

Value: Maximum of \$2000 per annum for each bursary. There may be more than one award each year.

#### **Endowment Fund Honouring Sir Frank Packer**

Established in 1972 to assist capable or potentially capable students, either enrolled in the University or seeking to become enrolled in the University, and either proceeding to a diploma or degree or seeking to proceed to a diploma or degree.

In award of grants, preference will generally be given to students who are not receiving benefits under the Tertiary Education Assistance Scheme, but who are potentially and demonstrably capable students.

The number of awards shall be determined by the income available each year. The total value of any one award may be up to, but may not exceed, \$500.

#### **J. G. Raphael Bursary**

In 1879 a bequest of £50 was made to the University in the will of J. G. Raphael. The income of the bequest is used for bursaries — one bursary to be awarded one year and two bursaries the following year. The value of each bursary is approximately \$100.

#### **William Roberts Bursary**

Founded in 1888 by a bequest of land from William Roberts, of Penrith, under certain conditions mentioned in the will. The annual value is \$200.

#### **Horace John Sendall Bursary**

Founded in 1938 by a bequest of £1000 from Alfred Edward Sendall for the endowment of a scholarship or bursary in memory of his father, Horace John Sendall. The Horace John Sendall Bursary has been established under the terms of the bequest. The bursary is of the annual value of \$200, and is tenable in one of the Faculties of Law, Medicine, Engineering, Dentistry, Veterinary Science or Architecture; other things being equal, preference will be given to a student entering the Faculty of Law.

#### **Struth Bursary**

Founded in 1883 by a gift of £1000 from John Struth for the foundation of an exhibition to assist students of intellectual promise, but whose means are not otherwise sufficient for the purpose, in obtaining a degree in the Faculty of Medicine. The bursary is awarded on the following conditions:

(1) The bursary shall be tenable in the Faculty of Medicine for a period not exceeding six years. The tenure shall be subject to the candidate attending satisfactorily at the medical courses and being diligent and of good conduct. The bursary shall be awarded from year to year, and the renewal is subject to the holder passing creditably at the annual degree examination of the year.

(2) The bursary shall be of the value of \$400 per annum. The holder of the bursary will be exempt from the payment of lecture fees. He will, there-

fore, be required to pay all other incidental fees, including matriculation, general service and degree fees, Students' Representative Council fee and the fee for the University of Sydney Union.

(3) The Vice-Chancellor shall have received satisfactory assurance that the candidate is qualified by education and capacity to pursue the medical courses in the University and that the candidate's own means and those of his parents or guardians are insufficient to enable him to bear the cost of attending the medical courses in the University without financial assistance.

#### **Henry Wait Bursary**

Founded in 1900 by a bequest of £1000 from the late Henry Wait of Redfern, for the encouragement of the study of Medicine. The bursary is awarded upon the following conditions:

- (1) The bursary shall be tenable in the Faculty of Medicine for a period not exceeding six years. The tenure shall be subject to the candidate attending satisfactorily at the medical courses and being diligent and of good conduct. The bursary shall be awarded from year to year, and the renewal is subject to the holder passing creditably at the annual degree examination of the year.
- (2) The bursary shall be of the value of \$400 per annum. The holder of the bursary will be exempt from the payment of lecture fees. He will, however, be required to pay all other incidental fees, including matriculation, general service and degree fees, Students' Representative Council fee, and the fee for the University of Sydney Union.
- (3) The Vice-Chancellor shall have received satisfactory assurance that the candidate is qualified by education and capacity to pursue the medical courses in the University and that the candidate's own means and those of his parents or guardians are insufficient to enable him to bear the cost of attending the medical courses in the University without financial assistance.

#### **Dame Edith Campbell Walker Bursaries**

In 1937 £5000 was bequeathed to the University by the late Dame Edith Campbell Walker. Income from this bequest is at present used to provide eleven bursaries per annum. Half of the bursaries are available to female students. The annual value of each bursary is \$300.

#### **Walker Bursaries**

In 1881 the sum of £5000 was given by Thomas Walker of Yaralla, Concord, for the foundation of bursaries. The gift was specially connected with the late resolution of the Senate to grant to women equal participation with men in all university privileges, and it was desired by the founder that a portion of the bursaries — up to one-half, as circumstances might dictate — should be made applicable to students of the female sex. Eight bursaries of the value of \$300 per annum may be awarded.

#### **William Charles Wentworth Bursary, No. I**

In 1876 the sum of £1000 was given by FitzWilliam Wentworth for the foundation of a bursary, of the annual value of \$190, to be called after the name of his deceased father, William Charles Wentworth.

#### **William Charles Wentworth Bursary, No. II**

In 1876 the further sum of £1000 was given by FitzWilliam Wentworth for the foundation of a second bursary, of the annual value of \$190, to be

called after the name of his deceased father, William Charles Wentworth; but the founder directed that this sum should accumulate until it should reach £1500, that a second bursary should then be established, and that the surplus should accumulate until the sum of £1500 should again be reached, when a similar result is to follow. This foundation reached the sum of £1500 in 1886, and a second bursary was established accordingly.

#### **William Charles Wentworth Bursary, No. III**

The fund was established in 1886 by the setting apart of the sum of £500 from the last-named foundation, to accumulate for the establishment of a third bursary in accordance with the directions of the founder; the annual value is \$190.

#### **William Charles Wentworth Bursaries, No. IV—No. XXVIII**

Established from the accumulations of William Charles Wentworth funds; the annual value is \$190 each.

#### **Reverend C. A. White Bursary**

Established in 1954 by a bequest of £1000 from the late Reverend C. A. White to establish a bursary to be awarded annually to a Presbyterian undergraduate who satisfies the Dean of the Faculty of Arts that he has been accepted as a candidate for the Ministry of the Presbyterian Church. Value \$500.

#### **Alice Mary Wingrove Bursary**

Founded in 1964 by a bequest of £500 from the late Alice Mary Wingrove, to be applied by the Senate in its discretion in providing assistance for education at the University in any Faculty for an Aboriginal student. Value \$180.

### **Other bursary assistance**

#### **Bursaries awarded by the Bursary Endowment Board**

A number of bursaries tenable at the University are awarded to candidates of merit at the Higher School Certificate examination whose family income falls within certain limits prescribed by the Bursary Endowment Board.

Applications should be made to the Secretary, Bursary Endowment Board, 35–51 Mitchell Street, North Sydney 2060.

# Matriculation scholarships and prizes

The scholar is required to attend the first year course in mathematics in the Faculty of Arts, Science or Engineering.

MATRICULATION  
SCHOLARSHIPS

## Robert Campbell Scholarships

Founded in 1922 by a bequest of £2000 from the late Lt-Col. Francis Selwyn Campbell, to establish a scholarship for intending students in straitened circumstances, in memory of his father, Robert Campbell, Colonial Treasurer in 1857, and his mother, Ann Sophia Campbell.

From 1922-77 one scholarship valued at \$100 per annum and tenable for two years was available for award each year to a student of sufficient merit who lodged an application showing him/herself to be in straitened circumstances.

In 1977, the Academic Board determined that several scholarships be available for award each year for proficiency at the HSC examination to students in straitened circumstances who are deemed of sufficient merit. The scholarships are tenable in any faculty for the duration of the course being undertaken, provided that the holder satisfactorily passes the examinations of the course. Value \$200 per annum.

## Council of Education Scholarship

Founded in 1889 by a gift of £300 from the trustees of the subscribers to a memorial of the late Council of Education for the foundation of a scholarship to be called the Council of Education Scholarship. Candidates must be children of teachers or officers of not less than three years' standing in the New South Wales Department of Education and must produce a certificate of eligibility. The scholarship is awarded for general proficiency at the HSC examination provided the candidate's work is of sufficient merit. Awarded annually and tenable for three years. Annual value \$400.

## Fairfax Prize

Established in 1872 by a donation of £500 from John Fairfax. The prize was initially awarded as two annual prizes for women for proficiency at the Senior and Junior Public Examinations. From 1918 onwards it was awarded by authority of the University Prizes and Medals Alteration Act, 1917, as one prize.

The prize is awarded annually on the recommendation of the Chairman of the Academic Board to the most proficient woman candidate at the Higher School Certificate examination enrolling full time in the first year of candidature for a bachelor's degree, provided that she has demonstrated sufficient academic merit. Value, \$425.

## Freemasons' Scholarship

Founded in 1880 by a gift of £1000 from the Freemasons of New South Wales under the constitution of the Grand Lodge of England, for the endowment of a scholarship in honour of the District Grand Master of the Order, John Williams. As from 1974, two scholarships are awarded each year, for general proficiency at the HSC examination. Competitors must be the sons of Freemasons of five years' standing of the United Grand Lodge of New South Wales who qualify for matriculation. If at any time there shall be no candidates for matriculation eligible to compete for the scholarships, or if any such candidates fail to show sufficient merit, they will be open to like competition at the first year examination. The scholarships may be held in any Faculty and are tenable for three years, provided that the scholars shall so long faithfully pursue their studies in the University, and shall

Matriculation scholarships and prizes are awarded on the results of the Higher School Certificate examination. Some are awarded in any faculty while others are awarded only in particular faculties.

Candidates for the scholarships in Classics are required to lodge an application with the Registrar of the University by 1 October each year and are required to sit for an additional paper shortly after the Higher School Certificate examination. Candidates in Classics are required to pay a fee of \$3 when lodging their applications.

The university by-laws provide that in connection with the award of scholarships in modern foreign languages, if the examiners shall be of the opinion that any candidate has any exceptional advantage by reason of foreign nationality or parentage or prolonged residence abroad, such candidate shall not be eligible for an award unless there is no other candidate of sufficient merit.

A certificate establishing the candidate's eligibility to compete for the Freemasons' Scholarships, the Council of Education Scholarship, or the James Robinson Orange Memorial Prize should be lodged with the Registrar of the University by 31 March of the year in which the student enrolls in first year at the University.

It is necessary to lodge an application form for an award *only* where this is stipulated.

## Any faculty

### James Aitken Scholarships

Founded in 1878 by a bequest of £1000 from James Aitken of Grafton, for a bursary or scholarship. Up to 1893 it was applied as a bursary. Two scholarships are now awarded annually for general proficiency at the matriculation examination. \$500 each, tenable for three years in any faculty.

### Australian Government assistance

Details of assistance provided by the Commonwealth Government are given elsewhere in the *Calendar* under the section 'Sources of financial assistance to students'.

### Barker Scholarship, No. III

To be awarded at the matriculation examination for proficiency in mathematics. \$400, tenable for one year.

pass the annual examinations with credit. Applications close on 31 March each year.

Value, \$300 per annum each.

#### **Gowrie Scholarships**

Four scholarships which are tenable in Australian universities are awarded annually by the trustees of the Gowrie Scholarship Trust Fund.

Scholarships cover the normal period of the course taken at the University, and are tenable only by members of the forces who have served on active service during World War II, or their children.

Applications should be made to the Secretary, Gowrie Scholarship Trust Fund, 47 Cherry Street, Warrawee, N.S.W. 2074.

#### **Grahame Prize Medal**

Founded in 1891 by a bequest of £100 from William Grahame of Waverley. Formerly awarded to such candidate as shall display the greatest general proficiency at the Senior Public Examination.

From 1918 awarded by authority of the University Prizes and Medals Alteration Act, 1917, to the greatest proficient at the university examinations for scholarships at entrance to the University. Value, \$150.

#### **G. C. Halliday Scholarship**

Founded in 1938 by a gift of £1000 from Mrs Ruby Halliday in memory of her late husband, G. C. Halliday, BA.

The scholarship is awarded by the Academic Board on the recommendation of the trustees of the Sydney Grammar School, to a student proceeding thence to the University.

The scholarship is tenable only in one of the Faculties of Arts, Law, Science, or Engineering, and is awarded annually for general proficiency at the HSC examination. Annual value, \$175, tenable for three years.

#### **Horner Exhibition**

Founded in 1889 by a bequest of £200 from Francis Horner, MA. Awarded for proficiency in mathematics at the matriculation examination. It cannot be held with two other scholarships in the University. In case of equality in order of merit in competition for the exhibition, preference shall be given to a student matriculating direct from the King's School, Parramatta, or in the absence of a student from that school, to a candidate from Newington College, Stanmore. Value, \$350, tenable for one year.

The scholar is required to attend the first year course in Mathematics in the Faculty of Arts, Science, or Engineering.

#### **Kambala Scholarship**

Founded in 1904 by a gift of £250 from the members of the Kambala Girls' Union.

Awarded annually to the pupil from Kambala School who in the opinion of the Vice-Chancellor attains the highest proficiency in matriculation subjects at the HSC examination. If there is no Kambala student who qualifies in any year the amount shall be added to the capital or, at the discretion of the Vice-Chancellor, may be awarded to and distributed among Kambala students already attending the University, to the exclusion of any one or more of them, in such manner and proportion as the Vice-Chancellor may think fit. Value, \$500.

#### **Killeen Prize**

Founded in 1924 by a gift of £100 from the Limbless

and Maimed Soldiers' Association at the request of Mrs F. P. J. Killeen, who selected this form of memorial for her late husband, Lieut. F. P. J. Killeen, first President of the Association. Awarded on the recommendation of the Principal of the Fort Street High School, approved by the Director of Education, to a student proceeding from that school to the University. Annual value, \$100.

#### **Liversidge Scholarships**

Founded in 1928 by a bequest from the late Emeritus Professor Liversidge, who occupied the Chair of Chemistry from 1874 to 1907, of £2000 to form a scholarship fund for proficiency in Chemistry. The Senate has decided that two scholarships, to be known as the Liversidge Scholarships, shall be awarded annually to the two candidates enrolled in Chemistry IA and IB who, in the immediately preceding year, attempted Chemistry and Physics as 4 unit Science at the N.S.W. Higher School Certificate examination and who achieved the highest number of marks in Chemistry.

Each scholarship shall have an annual value of \$350 and shall be tenable for a period of three years, provided the candidate proceeds with the study of Chemistry and achieves a standard each year that is deemed to be satisfactory by the Professors of Chemistry.

#### **Miriam Josepha Makinson Memorial Prize**

Established in 1971 by a gift of \$500 from Miss K. J. Laurence to establish a prize in memory of her late aunt, Miss Miriam Josepha Makinson, who was born on 1 April 1890 and died on 7 March 1919, at the Royal Prince Alfred Hospital, of pneumonic influenza which she contracted when nursing patients there in the epidemic.

Awarded annually to the pupil from the Cremorne Girls' High School who attains the highest proficiency in matriculation subjects at the HSC examination, and who proceeds to the University. Value, \$60.

#### **E. Trenchard Miller Memorial Scholarships**

Established in 1969 by a trust deed between the trustees of Mr Earnest Trenchard Miller, a general importer, and the University of Sydney.

About eight awards are made each year by the trustees on the recommendation of the University for general proficiency at the Higher School Certificate Examination.

Each scholarship has an annual value of \$500 and is tenable for the length of a course, provided satisfactory progress is made.

#### **James Robinson Orange Memorial Prize**

Founded in 1926 by a gift of £200 from the Grand Lodge of the Loyal Orange Institution of New South Wales for the establishment of a prize at the University in memory of the late Hon. James Robinson, MLC. The prize is restricted to children or grandchildren of members of the Loyal Orange Institution who qualify for matriculation, and is tenable in any Faculty or Department of the University. Awarded annually for general proficiency at the HSC or matriculation examination.

The candidate must submit a certificate from the secretary of the Loyal Orange Institution to establish the candidate's eligibility to compete. Value, \$700.

#### **Cecilie Purves Memorial Prize**

Founded in 1955 by a bequest from the estate of the late Emeritus Professor E. R. Holme and awarded under the following conditions:

(1) The prize shall be known as the Cecile Purves Memorial Prize.

(2) The prize shall be awarded to a student, or former student, of the Sydney Church of England Grammar School, who is proceeding to the University of Sydney to study in any Faculty, on the basis of merit to be ascertained by the University by public examination or other means determined.

(3) The proceeds of the prize shall be applied to the purchase of textbooks and/or reference books approved by the Dean of the relevant Faculty.

(4) The prize shall be awarded annually and shall be tenable for a period of three years.

(5) The net income derived from the fund each year shall be divided into three equal parts, and one of such parts shall be paid to or for the student at the commencement of his study at the University, and the subsequent parts will be paid to or for the student at the beginning of successive years if he has satisfactorily completed the previous year's work.

### Queen Victoria Scholarship

In 1905 the sum of £540 was presented to the University by subscribers to a Memorial of the late Queen Victoria for the foundation of a scholarship.

The fund was formed by contributions from the general community, largely from school children.

The conditions of awards are as follows:

(1) That it be awarded to the best girl matriculant of the year, and be tenable for three years under the conditions usually existing for scholarships.

(2) That the scholar shall satisfy the Chancellor, privately, that she requires the money, otherwise it shall be handed over to the Chancellor to be used for a bursary for girls, the original winner retaining the title of Queen Victoria Scholar.

The scholarship is of the value of \$450, and is tenable for three years.

### A. J. Shearsby Prize

Founded in 1958 by a gift of £214 in honour of Mr A. J. Shearsby, of Yass. Awarded annually by the University to the student gaining the highest place in 2 unit Science/Geology at the HSC examination and who continues his or her studies in geology at the University. Value, \$80.

### John West Medal

Founded in 1874 by a gift of £200 from the subscribers to a memorial of the Reverend John West, editor of the *Sydney Morning Herald*. Formerly awarded to the greatest proficient in the Senior Public Examinations.

From 1918 awarded by authority of the University Prizes and Medals Alteration Act, 1917, to the greatest proficient at the university examinations for scholarships at entrance to the University. Value, \$350.

## Faculty of Agriculture

### Martin McIlraith Scholarships

Scholarships valued at approximately \$490 each, tenable for one year, are awarded for proficiency at the HSC examination. Preference is given to ex-service applicants and the sons of ex-servicemen. The scholarships are tenable by men only, except in the case of ex-servicewomen.

Applications should be lodged with the Registrar in March each year.

## Faculty of Arts

### Bowman-Cameron Scholarship

Founded in 1877 by a bequest of £1100 from Andrew Robertson Cameron, MD. Awarded annually for general proficiency at the HSC examination. Value, \$500, tenable for three years in the Faculty of Arts.

This scholarship cannot be held with the James Aitken Scholarship.

### Cooper Scholarship, No. II

Awarded for proficiency in Classics. Value, \$370, tenable for one year. Candidates are required to lodge an application, together with a fee of \$3, with the Registrar by 1 October, and to sit for an additional paper shortly after the HSC examination. Cannot be held with the Nicholson Matriculation Scholarships.

### Garton Scholarship, No. III

Awarded for proficiency in French at matriculation. Value, \$1000, tenable for one year. The scholar is required to attend the course French Language and Literature I during his tenure of the scholarship.

### Konstantin Gawrilow Scholarship

For conditions of award see under undergraduate scholarships and prizes.

### Lithgow Scholarship, No. I

Awarded for proficiency in German at matriculation. Value, \$750 for one year. The scholar is required to attend the course of German I during his tenure of the scholarship.

### Nicholson Matriculation Scholarships

Established in 1979 from a surplus accumulated income of the fund established for the Nicholson Medal. Two scholarships are awarded each year to candidates for the degree of Bachelor of the University of Sydney.

One scholarship is awarded annually to the candidate who enrolls in the course Latin IA and who demonstrated the greatest proficiency in Latin at the HSC examination. The scholar is required to attend the course Latin IA during tenure of the scholarship.

The other scholarship is awarded annually among the candidates who enrol in the course Latin IB to the person who demonstrated the greatest proficiency at the HSC examination. The scholar is required to attend the course Latin IB during tenure of the scholarship.

Value \$100 each, tenable for one year. Neither scholarship can be held with the Cooper Scholarship No. II.

### Salting Exhibition

Founded in 1858 by a gift of £500 (with accumulations) from Severin Kanute Salting, to be applied for the promotion of sound learning. Awarded on the recommendation of the Trustees of the Sydney Grammar School to a student proceeding thence to the University.

From 1860 to 1930 the exhibition was awarded every third year, the annual value being £25 up to 1918 and £50 from 1919 to 1930. From 1933 the exhibition has been awarded annually and is tenable for three years in the Faculty of Arts. Annual value, \$525.

## Faculty of Medicine

### Dr John Osborne, RN, Scholarship

Founded in 1919 by a bequest of £1000 from Mrs Kate Cunningham Moffat, for the foundation of a scholar-

ship or bursary for a medical student from St Paul's College, to be known as the Dr John Osborne, RN, Scholarship or Bursary.

The following regulations have been made by the Senate:

(1) The scholarship shall be awarded annually for general proficiency at matriculation, and shall be tenable for a period of three years in the Faculty of Medicine, so long as the scholar shall be of good conduct and shall attend regularly the courses in the University for candidates for the degrees of Bachelor of Medicine and Bachelor of Surgery, and shall satisfactorily pass the prescribed examinations.

(2) Failure to pass any qualifying examination will entail forfeiture of the scholarship unless such failure be due to illness or special circumstances. The decision in all such cases shall be made by the Senate after receiving a report from the Faculty of Medicine.

(3) The Scholarship is tenable only by a student of St Paul's College.

Value, \$450, tenable for three years.

### Faculty of Science

#### Plumian Scholarship

Established in 1953 by a bequest of £1250 under the will of the late Reverend Henry Plume.

The scholarship is awarded under the following conditions:

(1) The name of the scholarship shall be the Plumian Scholarship.

(2) The scholarship shall be tenable for two years.

(3) The scholarship shall be awarded for general proficiency at the Higher School Certificate Examination to a candidate entering the Faculty of Science and taking at least one of the following subjects in his first year, Biology, Geology or Geography, provided he is of sufficient merit.

(4) In cases where candidates are of equal merit, preference in awarding the scholarship shall be given to a candidate from Barker College, Hornsby.

The scholarship is awarded annually and is valued at \$275.

### Faculty of Veterinary Science

#### Alexander Donald Scholarship

Established in 1946 by a gift of £1000 from Keith Donald, in memory of his son. Awarded to a student of Sydney Grammar School entering the Faculty of Veterinary Science for general proficiency at the HSC examination. The scholarship is tenable for three years and is to be held in abeyance if there is no suitable candidate. Value, \$250.

#### Martin McIlraith Scholarships

Scholarships valued at approximately \$490 each tenable for one year, are awarded for proficiency at the HSC examination. Preference is given to ex-service applicants and the sons of ex-servicemen. The scholarships are tenable by men only, except in the case of ex-servicewomen.

Applications should be lodged with the Registrar in March each year.

## Undergraduate scholarships and prizes

### (1) BY FACULTY OR BOARD OF STUDIES

#### Any faculty

##### Australian Aborigines Scholarship

Established in 1966 by an anonymous donation of \$1000 being the first of five annual donations.

The scholarship is awarded under the following conditions:

(1) The scholarship shall be for the purpose of:

(a) providing scholarships for Australian Aborigines whether they be full-bloods, half-castes or quarter-castes for the purpose of attending the University of Sydney for degree or diploma courses. Such scholarships shall take into account the expenditure by a student for fees, books, scholastic equipment and living expenses and be for such an amount as the University of Sydney in its absolute discretion considers sufficient in the circumstances of each individual student.

(b) giving financial assistance to Australian Aborigines as aforesaid for obtaining secondary education and preparing for a course to be taken at the University of Sydney.

(c) awarding scholarships to Australian Aborigines as aforesaid who may wish to attend other institutions of tertiary education if the University of Sydney considers that the welfare of the Australian Aborigines will be thereby benefited. The University of Sydney shall be entitled in its absolute discretion to determine the conditions under which individual students shall be financially assisted and the amount of assistance to be given.

(2) The scholarships shall be awarded by a committee consisting of the Chairman of the Academic Board, the Deans of the Faculties of Arts and Science, the Professor of Social Anthropology and the Registrar.

(3) The scholar shall be required to study as a full-time student:

(a) for the purpose of obtaining a degree or diploma in the University of Sydney, or

(b) for the purpose of obtaining secondary education and qualifying for Matriculation in preparation for a course to be taken in the University of Sydney, or



(c) for the purpose of obtaining education in another institution of tertiary education approved by the committee.

(4) The scholarship shall be tenable during such time as the student makes sufficiently satisfactory progress in his studies.

(5) The amount of the scholarship shall be determined from time to time by the committee.

### **Beauchamp Prizes**

For conditions of award, see under *Prize Compositions* at the end of this section of the Calendar.

### **G. S. Caird Scholarships**

Founded in 1923 by a bequest of £4000 from Miss Elizabeth R. Caird, for the purpose of founding in perpetuity such scholarships as the Council of the University shall think best, no individual scholarship to be larger than the annual interest on the sum of £1000. All scholarships founded are to be called G. S. Caird Scholarships, in commemoration of the late Mr G. S. Caird. In 1924, a further sum of £3576 3s. 7d. was received from the trustees of the estate, making a total of £7576 3s. 7d.

The Senate has allocated seven scholarships of \$500 per annum to the Departments of Philosophy, Geography, Zoology, Botany, Economics, Electrical Engineering, and Dentistry.

### **Noel Chettle Prize for Art**

Established in 1978 by the offer of an annual donation of \$500 from Mrs E. M. Chettle, in memory of her husband, Noel Chettle, and in support of his interest in the encouragement of youthful ideas in art.

Awarded annually by a Committee of the University of Sydney consisting of the Head of the School of Undergraduate Studies in the Faculty of Architecture, the heads of the Departments of Architecture and Fine Arts or their representatives and two representatives of the Sydney University Art Workshop, one being the Director who will act as convener, the other being a member of the full-time or part-time teaching staff of the Workshop nominated by the Director.

The prize, which may be shared, shall be awarded to a student or students at the Sydney University Art Workshop, other than a member of the full-time or part-time teaching staff in the fields of fine arts, architecture and related fields, of the University or of any other teaching institution, for a body of work completed within the year for which the prize is to be awarded and under the supervision of a member of the full-time or part-time teaching staff of the Art Workshop, provided that the work is of sufficient merit and that part of the work shall be figurative and include portraiture in any medium. Value, \$500.

### **Frank Coaldrake Scholarship**

For conditions of award see under *various faculties in Postgraduate scholarships and prizes*.

### **Janet Elspeth Crawford Prizes**

Established in 1982 by a donation of \$5000 from Sir John and Lady Crawford in memory of their daughter Janet Elspeth Crawford, who graduated from the University in 1965 with the degree of Bachelor of Science with first class honours and the University Medal in Physical Chemistry.

#### *Janet Elspeth Crawford Prize In Chemistry*

The Prize in Chemistry may be awarded to a woman student who has completed a fourth year honours course in chemistry. The prize is awarded annually on the recommendation of the head of the School of

Chemistry to the most proficient woman student graduating Bachelor of Science, provided that the degree is awarded at least at the grade of second class honours division 1. Value, \$230.

#### *Janet Elspeth Crawford Prize At The Women's College*

The Prize at the Women's College may be awarded to a woman student who has qualified for the award of a bachelor's degree with honours in any faculty provided that she was resident at the Women's College during the whole of the final year of candidature. The prize is awarded annually on the recommendation of the deans of the faculties in which eligible students are enrolled, to the most proficient woman student graduating with a bachelor's degree, provided that the degree is awarded at least at the grade of second class honours division 1. Value, \$230.

### **Deas-Thomson Scholarships<sup>1</sup>**

In 1854 the Hon. Sir Edward Deas-Thomson, CB KCMG, gave £1000 from a testimonial to him to the University to found a scholarship in physical science. In 1870 he directed that the accumulated income of the fund should be used to establish additional scholarships in geology and mineralogy.

The scholarships are now awarded for proficiency in the subjects of Physics, Geology and Mineralogy to students in the Faculties of Arts or Science.

### **Konstantin Gawrilow Scholarship**

Konstantin Nicholas Gawrilow by his will bequeathed his estate to the University to establish a scholarship to enable a student to study Russian language or literature or both as part of or the whole of any course of study. The scholarship, established in 1979, is awarded under the following conditions:

- (1) The name of the scholarship shall be the Konstantin Gawrilow Scholarship.
- (2) The object of the scholarship shall be to enable a student or students to study Russian language or literature or both at any Australian university, until this course is offered at the University of Sydney, as part of or the whole of any course of study at the University of Sydney.
- (3) The scholarship shall be awarded on the results of the HSC examination or other examination qualifying for entry to the University of Sydney. The scholarship is restricted to women entering upon the first year of a course at the University who are not more than twenty-five years of age at the commencement of the academic year for which the scholarship is awarded, possessing one of the following qualifications:
  - (a) Girls who are of Aboriginal extraction in whole or in part and
    - (i) have no living parents; or
    - (ii) have only one living parent; or
  - (b) are cared for, or were until attaining majority cared for, by a guardian by reason of the desertion or neglect of both parents; or
  - (c) are cared for, or were until attaining majority cared for, by one parent by reason of the desertion of the other parent; or
- (4) Girls who are not of Aboriginal extraction in whole or in part and
  - (i) have no living parent; or
  - (ii) have only one living parent.

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<sup>1</sup> Conditions under review.

Preference shall be given to eligible candidates qualifying under (a) (i) above and, if there are no such candidates, candidates of Aboriginal extraction in whole or in part shall be preferred to those who are not. Notwithstanding the results at the examination mentioned in (3) above, candidates who are in greater need of assistance than other candidates may at the discretion of the selection committee be given preference.

(4) The value of the scholarship shall be determined from time to time by the Senate. The scholarship is currently valued at \$4300 per annum. A separate grant for books, equipment, material or other necessities required in connection with the course may also be made. The scholarship shall be awarded in the first instance for one year and, provided satisfactory progress is made, may be renewed for a second and later years until the scholar has qualified for both an undergraduate and a higher degree. The scholarship may be awarded in any one year to one or more first and one or more later year candidates and may be held concurrently with any other scholarship, bursary or grant.

(5) The scholarship will be awarded by a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Arts, the Professor of Russian (on his appointment) and the Registrar, or their nominees.

#### **Walter Noel Gillies Memorial Awards**

Established in 1983 by a donation of \$22 000 from Mr and Mrs W. G. Gillies to endow two awards in memory of their son, Walter Noel Gillies, a former student of the University. Walter Gillies completed a course in Pharmacy in 1954, was awarded the Diploma in Labour Relations and the Law in 1977, and graduated with the degree of Master of Economics in 1980.

One award is an undergraduate scholarship in Pharmacy and the other a postgraduate prize in Economics.

For conditions of award see under Faculty headings.

#### **Spero Gravas Scholarship**

Founded in 1967 by a bequest of \$1862 from the late Spero Gravas.

Awarded annually in any faculty to an undergraduate either of whose parents or grandparents are or were at any time during their lives persons of Greek nationality. The scholarship shall be awarded by the Vice-Chancellor to the student who has shown the greatest academic merit in the annual examinations other than those in the final year. Value, \$250.

#### **Newcomb Hodge Essay Prize**

Established in 1951 by the offer of an annual sum of \$7 7s. from the Newcomb Hodge Fellowship. The sum of \$7 7s. was offered annually from 1953 to 1957. In 1957 the Newcomb Hodge Fellowship donated a sum of \$300 to endow the prize.

Awarded for an essay set in the Department of Education as part of the normal work of students, but provision will be made for students in other departments or faculties to compete. Value, \$60.

#### **Henry Lawson Memorial Prizes**

For conditions of award see under *Prize Compositions* at the end of this section of the Calendar.

#### **Australian Federation of University Women Prizes**

The Association offers annual prizes of not less than

\$25 and not more than \$50 each to an outstanding woman student in any of the universities within New South Wales, completing final or honours year in the following fields:

- One prize in the Faculty of Arts,
- One prize in the Faculty of Science,
- One prize in the Faculty of Medicine,
- One prize in the Faculty of Architecture,
- OR Engineering,
- OR Veterinary Science,
- OR other recognised degree course.

(Candidates from universities operating in schools will be considered on the basis of major subject interests.)

Candidates wishing to apply for such prizes may obtain the necessary forms by writing to the office of the New South Wales Association of University Women Graduates, 919 Challis House, Martin Place, Sydney 2000. Completed application forms must be returned to the office of the Association not later than 15 September of each year. A certificate of academic record issued by the Registrar of the university must be lodged with the Association not later than 1 February of the following year.

Adjudication is by the Awards Committee of the New South Wales Association of University Women Graduates.

#### **Organ Scholarship**

The Organ Scholarship was established in 1951 and is awarded annually under the following conditions:

- (1) The person appointed to assist the Organist shall be called the Organ Scholar.
- (2) The scholarship shall be tenable by a matriculated student attending the courses for some degree at the University.
- (3) The scholarship shall be held for one year only but may be renewed for a second year. Candidates will normally be eligible to hold the award for no more than two successive years.
- (4) The scholar shall be recommended to the Vice-Chancellor for appointment by the University Organist. The Organist may, if he considers it necessary, ask applicants for the scholarship to submit themselves to tests in organ playing.
- (5) The scholar will have the privilege of playing on the university organ and he may be required by the University Organist to give recitals and to play at University functions.
- (6) The amount of the scholarship shall be \$500 per annum.

#### **Earle Page Constitutional Prize**

For conditions of award see under *Prize Compositions* at the end of this section of the Calendar.

#### **Walter Reid Memorial Fund**

Established by a bequest from the late Kathleen M. E. Maxwell in memory of her brother.

- (1) The name of the fund shall be The Walter Reid Memorial Fund.
- (2) The object of the Fund is to enable students attending one or other or both of the Faculties of Arts and Law to acquire books of benefit to them in connection with their Faculty work or their general education or education in any particular field.
- (3) Applications will be considered by a committee consisting of the Dean of the Faculty of Arts, the Dean of the Faculty of Law, and the Registrar, or their representatives.

(4) An amount of up to \$200 may be granted to any applicant in any one year at the discretion of the committee.

(5) For purposes of this bequest books shall include not only books properly but magazines, periodicals, recordings, and tapes.

(6) The books selected shall be in furtherance of the objects of the Fund.

(7) Each book will be inscribed with the words 'Given in memory of Walter Reid, a student in and graduate of the Faculties of Arts and Law in the University of Sydney'.

#### **Walter Selle Scholarship<sup>1</sup>**

In 1959 the Sydney University Evening Students' Association launched an appeal to establish a Walter Selle Evening Students' Scholarship in honour of Walter A. Selle, MA, a former Registrar of the University, from 1924 to 1947. In 1963, the Senate decided that the income from the appeal fund, which totalled about £1000, be applied to establish an annual 'Walter Selle Scholarship'.

The scholarship, valued at \$350, shall be awarded annually to a part-time student in the Faculty of Arts or in the Faculty of Economics who shows the greatest academic distinction in Course III of the undergraduate honours course, provided that his work is of sufficient merit, and who is proceeding to Course IV. The scholarship shall be awarded by a committee consisting of the Chairman of the Academic Board, or his nominee, and the heads, or their representatives, of the departments in which the candidates took Course III of the undergraduate honours course.

#### **Adrian Consett Stephen Memorial Prize**

For conditions of award see under *Prize Compositions* at the end of this section of the Calendar.

#### **Walter Mersh Strong Scholarships**

Dr W. M. Strong of Port Moresby by his will in 1946 bequeathed his residuary estate amounting to £35 000 to the University of Sydney for the purpose of encouraging education and research in subjects relevant to the particular needs of the then territory of Papua.

In 1951, the Senate established the Walter Mersh Strong Research Fellowship for original research in Papua in an appropriate subject. It was offered in any of the biological, physical or social sciences or in Papuan history or linguistics. In 1961 the Senate established two Walter Mersh Strong Scholarships to replace the Research Fellowship established in 1951. These scholarships were open to candidates from Papua New Guinea for full-time study towards an undergraduate degree in the University of Sydney. In 1977 the conditions of award were amended to make the scholarships available at both postgraduate and undergraduate levels. In 1985 the conditions of award were amended to make the scholarships open only to graduates. The scholarships are now awarded under the following conditions:

(1) Each scholarship shall be named a Walter Mersh Strong Scholarship.

(2) The purpose of the scholarships is to provide opportunities for graduate students from Papua New Guinea to attend the University of Sydney to undertake coursework, supervised study or research.

(3) A scholarship may be awarded to —

(a) an applicant who is admitted to candidature for a bachelor's degree or for the Dip-

loma in Education and who enrolls accordingly;

(b) an applicant who is admitted to candidature for a higher degree or a diploma other than the Diploma in Education and who enrolls accordingly;

(c) an applicant who is not a candidate for a degree or diploma but who proposes to undertake a programme of study and/or research, including coursework, supervised study or investigation, approved by the Selection Committee in consultation with the Head(s) of Department(s) concerned.

(4) (a) A scholarship shall provide a stipend of \$10 500 per annum, pro rata for shorter periods.

(b) A scholarship may provide at the discretion of the Selection Committee allowances equivalent to those provided by the Commonwealth Award Scheme.

(c) A scholarship may provide a research maintenance allowance of up to \$1500 per annum to be administered by the head of the department in which the research is conducted.

(d) A scholarship may provide return economy class air travel for an award holder and immediate family, comprising accompanying spouse and dependent children.

(5) (a) A scholarship awarded to an applicant as defined in Clauses 3(a) and (b) shall be tenable for one year in the first instance but may be renewed from year to year subject to progress satisfactory to the dean of the faculty or chairman of the board of studies concerned, who shall consult with the head of department or professor most concerned.

(b) A scholarship awarded to an applicant as defined in clause 3(c) shall normally be tenable for up to one year.

(6) The scholarships shall be awarded by the Academic Board on the advice of a committee consisting of the Chairman of the Academic Board and the deans of the faculties in which the applicants seek to enrol, or nominees of the deans concerned, and at least one other member nominated by the Chairman.

#### **Universities Credit Union Scholarship**

Established in 1982 by the offer of an annual donation from the Universities Credit Union, as a reflection of the close association between the University and the Credit Union. The scholarship may be awarded to an undergraduate student in any discipline, under the following conditions.

(1) The name of the scholarship shall be the Universities Credit Union Scholarship.

(2) The scholarship shall be of the annual value of \$500.

(3) The scholarship shall be awarded on the recommendation of a committee consisting of the deans of faculties and chairmen of boards of studies in which applicants for the scholarship are enrolled.

(4) The scholarship shall be awarded to the applicant who has demonstrated the greatest proficiency in studies completed in the year immediately preceding the year in which the scholarship is to be awarded, provided the student's work is of sufficient merit.

(5) Only students who are members or family of members of the Universities Credit Union of

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<sup>1</sup> Conditions under review.

more than one year's standing and who are candidates for an undergraduate degree of the University shall be eligible to apply and be considered for the award of the scholarship.

(6) For the purpose of section (5) above, family is defined to include spouse, mother, father, son, daughter, brother and sister only.

(7) The scholarship shall be tenable in the year of award only, provided the holder of the scholarship remains enrolled in accordance with the conditions of award throughout that year.

(8) The holder of a scholarship may apply for a further award of the scholarship in subsequent years.

#### **University of Sydney Convocation Medal**

Established in 1979 by the Standing Committee of Convocation of the University of Sydney.

Awarded annually by a committee consisting of the Chairman of the Academic Board, the Deans of the Faculties of Arts and Science, the President of the Standing Committee of Convocation and the Registrar, to a person who in the preceding year completed the requirements for the award of a degree of Bachelor of the University of Sydney, who is nominated by a member of Convocation and who has achieved a high standard of academic proficiency and otherwise contributed to the life of the University, provided the person's academic work and other contributions are of sufficient merit. The prize may not be awarded more than once to the same person.

The prize shall consist of a medal.

#### **Wentworth Medal**

For details see under *Prize Compositions* at the end of this section of the Calendar.

### **Faculty of Agriculture**

#### **Australian Farm Management Society Prize**

Donated annually since 1975 by the Australian Farm Management Society to encourage scholarship in the field of farm management.

Awarded on the recommendation of the Dean to either a fourth year student in the course General Agriculture or a fourth year student in the course Agricultural Economics who shows the greatest proficiency in the field of farm management provided that he is of sufficient merit.

The prize, an engraved bronze sculpture, may be awarded annually.

#### **Belmore Scholarships**

In 1871 the Earl of Belmore made a gift for the purpose of providing a gold medal for proficiency in Geology and Practical Chemistry with special reference to Agriculture. His Lordship stated that should additional branches connected with Agriculture be thereafter taught in the University, the examination for the medal might be made to embrace them. Upon the establishment of a Chair of Agriculture in 1910, it was decided to award the income of the fund as a scholarship. Four scholarships of \$300 each are awarded annually on the recommendation of the Dean of the Faculty of Agriculture to students in the Faculty. Two are tenable in Second Year, the first being awarded to the student showing greatest proficiency in the First Year examinations and the second awarded for greatest proficiency in Chemistry I. A further two are tenable in Third Year, the first being awarded to the student showing greatest

proficiency at the Second Year examinations and the second awarded for greatest proficiency in Soil Science I and either Agricultural Chemistry I or Agricultural Chemistry (Animal Husbandry). In each case the student's work must be of sufficient merit. Two scholarships may not be awarded to the same person in any one year.

#### **John Arthur Cran Prize**

The prize was established in 1959 by the offer of an annual donation by Mrs Esther Cran in memory of her husband John Arthur Cran. In 1983 the University received a bequest of \$1000 from Mrs Cran with the intent that the prize be awarded in perpetuity.

The prize may be awarded annually on the recommendation of the Dean of the Faculty of Agriculture to the most proficient candidate at the Higher School Certificate or equivalent examination who enrolls full-time in the first year of candidature for the degree of Bachelor of Science in Agriculture or for the degree of Bachelor of Agricultural Economics, provided that the student's work is of sufficient merit. Value, \$75.

#### **Dairy Husbandry Research Foundation Prize in Animal Husbandry**

Established in 1977 by an offer from the Dairy Husbandry Research Foundation of an annual donation for a prize in Animal Husbandry with particular reference to Dairying.

Awarded annually in the Faculty of Agriculture on the recommendation of the Head of the Department of Animal Husbandry to the student enrolled in the fourth year subject Animal Husbandry who achieves the highest proficiency with particular reference to dairying, provided the student's work is of sufficient merit. Value, \$250.

#### **John Neil Downing Memorial Prize**

Established by R. G. Downing BSc(Agr), by gifts of £25 in 1948 and £500 in 1949, for a prize in memory of his son, Lieutenant John Neil Downing, who was killed in action.

The prize is awarded annually on the recommendation of the Dean of the Faculty of Agriculture to the student in the Faculty of Agriculture who shows greatest proficiency in the 12-week practical work requirement, provided the student's work is of sufficient merit. Value, \$375.

#### **W. W. Froggatt Memorial Prize**

Established in 1979 by a bequest of \$1000 from the estate of the late Joyce Chiosso Froggatt in memory of her father.

Awarded annually on the recommendation of the Head of the Department of Plant Pathology and Agricultural Entomology to the student in Fourth Year Agricultural Entomology who shows the greatest proficiency in a research project, if the student's work is of sufficient merit. Value, \$110.

#### **Golden Jubilee Scholarship in Agricultural Science**

In 1960, which was the golden jubilee year of the foundation of the School of Agriculture in this University and of the Australian Institute of Agricultural Science, a committee was formed to raise a fund to endow an annual scholarship in Agricultural Science.

Established in 1961 by the gift of £1574 18s. from the Jubilee Scholarship Fund Appeal. Awarded annually for the study of Agricultural Science in the fourth year, to a student at the end of third year, on the basis of academic achievement, application to the course of

study and aptitude for Agricultural Science. Value, \$450.

#### **Clifford Dawson Holliday Prize**

Founded in 1954 by a bequest of £1000 from the late Andrew Holliday for a prize to be known as the Clifford Dawson Holliday Prize in Agriculture.

Awarded annually to the most proficient candidate at the third year annual examinations in the Faculty of Agriculture. Value, \$150.

#### **D. L. Jackson Memorial Prize**

Established in 1975 by public subscription in memory of the late D. L. Jackson, Senior Lecturer in the Department of Agronomy and Horticultural Science.

To be awarded annually on the recommendation of the head of the Department of Agronomy and Horticultural Science to the most proficient student in the course Crop Botany or any future comparable course in crop botany which may replace it provided that the candidate's work is of sufficient merit. Value, \$150.

#### **Sibella Macarthur Onslow Memorial Prize**

Established in 1944 by a gift of £360 from members of the Victorian League of New South Wales and other friends of the late Miss Sibella Macarthur Onslow.

Awarded annually on the recommendation of the Head of the Department of Agronomy and Horticultural Science for proficiency in the subject Fourth Year Agronomy, provided the student's work is of sufficient merit. Value, \$150.

#### **F. C. McCleery Memorial Award**

Established in 1979 by a series of donations over a number of years by the Reverend A. B. Catley, a graduate of the Faculty of Agriculture, for an award in that faculty. The award honours the memory of F. C. McCleery, BScAgr (1925), the former Chief Biometrician in the N.S.W. Department of Agriculture. F. C. McCleery was judged by his peers, both when a student at this University and in his later professional career, to be a man of great integrity who contributed greatly in both fields by his leadership and fellowship. Throughout his professional career he remained interested in a wide range of subjects from classical Greek literature to modern theology.

The award shall be made annually after a ballot, conducted by the Dean, of Third Year students in the Faculty to the person amongst their number who they judge at that ballot to have contributed most to the life of the Faculty by way of leadership and fellowship. Only those students who have completed the first two years of their degree course in minimum time shall be eligible for nomination.

Value, \$150.

#### **Martin McIlrath Scholarships**

In 1946 Martin McIlrath offered the proceeds of the sale of his property, which had been made available for settlement by ex-servicemen, to establish scholarships for students in Veterinary Science and Agriculture.

The scholarships tenable in the first year are awarded on the results of the HSC examination and those in higher years on the results of the annual examinations of the preceding years.

In the award of the scholarships preference is given to ex-servicemen and the sons of ex-servicemen. The scholarships are tenable by men only except in the case of ex-servicewomen.

Each scholarship is tenable for one year and valued at approximately \$490. The capital from which the

scholarships are paid is held in trust by the Burns Philp Trust Company Limited and the scholarships are awarded by the Trustees on the recommendation of the faculty concerned and after consideration of the question of preferred eligibility.

#### **Theresa G. Makinson Prize**

Established in 1972 by the donation of \$500 from Miss K. J. Laurence, to establish a prize in memory of her aunt, Theresa Genevieve Makinson, 1885-1939.

Awarded annually on the recommendation of the Professor of Horticulture to the most proficient student in fourth year Horticulture, provided that the candidate's work is of sufficient merit. Value, \$85.

#### **F. L. Partridge Prize**

Founded in 1928 by a gift of shares from an anonymous donor to establish the 'F. L. Partridge Endowment' in memory of the late F. L. Partridge. The endowment is used to provide a prize in the Faculty of Agriculture in accordance with the following conditions:

(1) The F. L. Partridge Prize shall be awarded to undergraduates in the Faculty of Agriculture who have passed the Second Year examination in that Faculty.

(2) The prize shall be of the annual value of \$400 and shall be tenable in the Third and Fourth Years of the agricultural curriculum, provided the holder is diligent and of good conduct and that he passes creditably all the examinations of his course.

(3) The prize will only be awarded to students in such necessitous circumstances that they would have difficulty in completing the agricultural curriculum without some financial assistance.

(4) Where there are two or more candidates who fulfil the last condition the prize will be awarded to the student who at the end of the Second or Third Year has the best academic record.

(5) Any unexpended income shall be used to create a fund for the carrying out of such research work within the Faculty as the Faculty may determine.

(6) Applications for the F. L. Partridge Prize must reach the Registrar before the end of March in each year.

#### **Poultry Husbandry Research Foundation Prize in Animal Husbandry**

Established in 1977 by an offer from the Poultry Husbandry Research Foundation of an annual donation for a prize in Animal Husbandry with particular reference to Poultry.

Awarded annually in the Faculty of Agriculture on the recommendation of the Head of the Department of Animal Husbandry to the student enrolled in the fourth year subject Animal Husbandry who achieves the highest proficiency with particular reference to poultry, provided the student's work is of sufficient merit. Value, \$250.

#### **Department of Soil Science Scholarship**

The scholarship was established by the staff of the Department of Soil Science in 1983 as an undergraduate scholarship in Soil Science. It was intended that the scholarship be awarded only to students of outstanding merit.

The scholarship may be awarded annually on the recommendation of the Head of the Department of Soil Science to the candidate for the degree of Bachelor of Science in Agriculture or Bachelor of Science

who, having achieved the best overall examination result in the courses Soil Science I and II, enrolls in the course Soil Science in fourth year.

Value, \$1000 per annum.

#### **Sydney Chinese Association Prize**

For details see under Faculty of Science.

#### **Sydney University Agricultural Graduates' Association Prize**

The prize was established in 1985 by an offer of an annual donation from the Sydney University Agricultural Graduates' Association to encourage and reward scholarship in agricultural science and in agricultural economics. There may be more than one prize awarded in any one year.

The prize or prizes shall be awarded annually to each student graduating with First Class Honours and the University Medal for the degrees of Bachelor of Science in Agriculture and Bachelor of Agricultural Economics.

Value, \$100 for each medallist.

#### **Universities Credit Union Prize in Agricultural Economics**

Established in 1982 by the offer of an annual donation by the Universities' Credit Union of \$1000 for a maximum period of five years for undergraduate courses in agricultural economics. It is the intention of the donor to reflect the close association of the Universities' Credit Union with the universities by donating prizes in subjects with more general relevance to the work of the Credit Union.

The prize shall be awarded annually on the recommendation of the Head of the Department of Agricultural Economics to the student who shows greatest proficiency in the course Agricultural Economics I, provided the student's work is of sufficient merit. Value, \$100.

#### **G. W. Walker Memorial Essay Prize**

Founded in 1944 and 1945 by amounts of £50 each received from the New South Wales Council of Agriculture Associations, Lindley Walker Wheat Coy Ltd, and the Flour Mill-Owners' Association of New South Wales, as a memorial to George W. Walker.

Awarded annually on the recommendation of the Head of the Department of Agricultural Economics to the student who presents the best essay in the First Year course Agriculture in the Economy, provided the essay is of sufficient merit. Value, \$80.

#### **Professor W. L. Waterhouse Prize**

In 1953 a sum of £150 was handed to the Senate by the Sydney University Agricultural Graduates' Association as part of subscriptions received in making a presentation to Professor W. L. Waterhouse on his retirement. The money is to be used to establish a prize to perpetuate the name and work of Professor Waterhouse and to continue the prize donated annually by Professor Waterhouse during his tenure of the Research Chair of Plant Pathology and Agricultural Botany.

Awarded annually to the most proficient student in third year courses Plant Pathology and Genetics, provided that the candidate's work is of sufficient merit. Value, \$70.

#### **Sir Robert Watt Memorial Prize**

Established in 1966 by the gift of \$500 from Lady Madge Watt and her daughter in memory of the late Emeritus Professor Sir Robert Watt, the first Professor of Agriculture at this University.

Awarded annually on the recommendation of the Head of the Department of Agronomy and Horticultural Science to the most proficient student in the Second Year course Crop Science, provided the candidate's work is of sufficient merit. Value, \$70.

#### **Weed Society of New South Wales Prize**

The prize was founded in 1971 by the offer of an annual gift from the Weed Society of New South Wales.

The prize may be awarded annually on the recommendation of the Head of the Department of Agronomy and Horticultural Science to the most proficient undergraduate student in the Fourth Year course Weed Science, provided that the candidate's work is of sufficient merit. Value, \$50.

#### **A. R. Woodhill Prize in Entomology**

Established in 1966 by the gift of \$1000 from Mrs Woodhill and the colleagues and students of the late Dr A. R. Woodhill.

Awarded annually on the recommendation of the Head of the Department of Plant Pathology and Agricultural Entomology to the most proficient student in the third year course Agricultural Entomology, together with fourth year Agricultural Entomology, provided that the candidate's work is of sufficient merit. Value, \$150.

#### **Arthur Yates and Co. Pty Ltd Prize**

Two prizes of \$50 each awarded annually, the first on the recommendation of the Head of the Department of Agronomy and Horticultural Science to the most proficient student in fourth year Horticulture, provided that the candidate's work is of sufficient merit, and the second on the recommendation of the Head of the Department of Agricultural Genetics and Biometry to the most proficient student in fourth year Agricultural Genetics, provided that the candidate's work is of sufficient merit.

### **Faculty of Architecture**

#### **Association of Consulting Structural Engineers of N.S.W. Prize in Architectural Science**

Established by the Association of Consulting Structural Engineers of N.S.W. in 1959.

Awarded annually on the recommendation of the Head of the Department of Architectural Science to the student graduating Bachelor of Architecture, who most distinguishes himself in the subject area Buildings, Structures and Materials, provided that his work is of sufficient merit. Value, \$100.

#### **Arthur Baldwinson Memorial Prize**

Established in 1970 by an initial gift of \$50 from the Dean of the Faculty of Architecture, Professor R. N. Johnson, the prize money in future years to be provided by the School of Architecture, for the purpose of recognising the work done in Australian Architectural History by the late Arthur Baldwinson.

Awarded annually, on the recommendation of the Head of the Department of Architecture, to the student with the best results in research into Australian Architectural History on the area of Design History and Theory, in the honours year, for the degree of Bachelor of Science (Architecture). Value, \$50.

#### **James Hartley Bibby Memorial Scholarship**

Established in 1961 by the offer of an annual donation of £150 from L. H. Bibby, in memory of his son, James Hartley Bibby, BArch (1958), who died in

tragic circumstances in 1960. On Mr Bibby's death in 1967 the scholarship was endowed by the bequest to the University of his residuary estate.

The scholarship, valued at \$1500 and tenable for one year is awarded annually by the Department of Architecture to the student qualifying to graduate Bachelor of Science (Architecture), at the pass grade, who has the best record in his final year of studies for the degree provided he is of sufficient merit. The scholar is required to enrol either in the honours year of candidature for the degree of Bachelor of Science (Architecture), or as a candidate for the degree of Bachelor of Architecture, and to attend instruction in the course for the degree selected during the tenure of the scholarship.

#### **Board of Architects of New South Wales Prize**

Established in 1951 by an offer from the Board of Architects of New South Wales to donate an annual amount for a prize.

Awarded annually by the Board of Architects of New South Wales to a student graduating Bachelor of Architecture who shows proficiency in a course or courses to be decided by the Faculty. Value, \$250.

#### **J. W. and B. K. Elkins Architectural Award**

Founded in 1972 by a gift of \$5000 from Mrs B. K. Elkins to establish an award in the Faculty of Architecture. The award is made under the following conditions:

- (1) The award shall be known as The J. W. and B. K. Elkins Architectural Award.
- (2) The object of the award is to enable a student who has completed the requirements for admission to the degree of Bachelor of Science (Architecture), at the Pass Grade, to undertake research, or travel for the purposes of research, in the following year.
- (3) The award shall be made annually to a student who has completed the requirements for admission to the degree of Bachelor of Science (Architecture), at the Pass Grade, of the University of Sydney. The award shall be based on the student's academic record within the degree and shall take into account his or her proposals for research, or travel for the purposes of research, as an Honours Year candidate for the degree of Bachelor of Science (Architecture) in the following year.
- (4) The award will be made by the Vice-Chancellor on the recommendation of the Dean of the Faculty of Architecture, in consultation with the Head of the School of Undergraduate Studies.
- (5) Value, \$500.

#### **Esso Prize I and Esso Prize II**

Established in 1980 by an offer from Esso Australia Limited to make an annual donation for five years, in the first instance, to establish two prizes to be known as Esso Prize I and Esso Prize II.

The *Esso Prize I* is awarded annually on the recommendation of the Head of the Department of Architectural Science to the most proficient candidate for the Diploma in Building Science (Energy-Conservative Design), provided that the candidate's work is of sufficient merit. Value \$150.

The *Esso Prize II* is awarded annually on the recommendation of the Head of the Department of Architectural Science to the candidate for the Diploma in Building Science (Energy-Conservative Design) whose performance in a course within one of the

subject areas prescribed for the Diploma is most outstanding, provided that the candidate's work is of sufficient merit. Value \$50.

#### **James Hardie Prize**

Established in 1958 by an offer of an annual amount for a prize from James Hardie & Company Pty Ltd.

Awarded annually, on the recommendation of the Head of the Department of Architecture, to the student qualifying to graduate Bachelor of Science (Architecture), with the best record in his final two years of study for the degree in courses which are offered by the Department of Architecture within the subject area, Materials, Structures and Methods. Value, \$250.

#### **Morton Herman Prize**

Established in 1980 by a donation of \$2000 from Mr Morton Herman.

Awarded annually on the recommendation of the Head of the Department of Architecture to the student enrolled for a degree or diploma within the Faculty whose performance in the area of building conservation in Australia is most outstanding, provided that the candidate's work is of sufficient merit. Value, \$225.

#### **A. S. Hook Memorial Prize**

Established in 1964 by an annual donation from the Royal Australian Institute of Architects in memory of Emeritus Professor A. S. Hook, Professor of Architectural Practice and Construction from 1946 to 1951, who died in 1963.

Awarded annually, on the recommendation of the head of the Department of Architecture, to the student graduating Bachelor of Architecture, who most distinguishes himself in courses within the subject Management and Communications, provided that his work is of sufficient merit. Value, \$20.

#### **George McRae Prize**

Founded in 1924 by a gift of £50 from the Officers of the Department of Public Works to establish an annual prize in the Faculty of Architecture in memory of the late George McRae, formerly Government Architect.

The prize is a book prize with a special bookplate, and is awarded annually on the recommendation of the head of the Department of Architectural Science, to the student graduating Bachelor of Architecture, who most distinguishes himself in the subject area of Environmental Physics and Building Service. Value, \$100.

#### **John Stephen Mansfield Prize**

Established in 1965 under a bequest of \$2000 by the late John Stephen Mansfield to provide a prize for the undergraduate student in the Faculty of Architecture most proficient in the subject of Town and Country Planning.

Awarded annually by the head of the School of Undergraduate Studies in Architecture on the recommendation of the head of the Department of Town and Country Planning to the student graduating Bachelor of Architecture who most distinguishes himself or herself in courses taken in the Department of Town and Country Planning, provided that the student's work is of sufficient merit. Value, \$225.

#### **Monier Prize**

Established in 1959 by the offer of an annual amount from Concrete Industries (Monier) Limited, then called Concrete Industries (Australia) Limited.

Awarded annually on the recommendation of the head of the Department of Architectural Science to the student graduating Bachelor of Science (Architecture) who has shown the greatest distinction in courses in Building Materials in the area Materials, Structures and Methods, provided that his work is of sufficient merit. Value, \$250.

#### **Elizabeth Munro Scholarship**

Established in 1962 by a bequest of £3000 from the late Mrs Sybil Enid Vera Munro Greenwell in memory of her aunt, Elizabeth Munro.

Awarded by the Faculty of Architecture on the recommendation of the head of the Department of Architecture to the candidate for the degree of Bachelor of Science (Architecture), who has completed courses to a value of at least 85 units with academic distinction, provided that his work is of sufficient merit, and provided that he remains enrolled as a candidate for the degree during the tenure of the scholarship. Value, \$1125.

#### **Ormonoid Prize**

Established in 1954 by the offer of an annual amount for a prize from Ormonoid Roofing and Asphalts Ltd.

Awarded annually on the recommendation of the Dean of the Faculty of Architecture to the student graduating Bachelor of Architecture who presents the best solution to a selected problem in his final year of studies for the degree, provided that the solution is of sufficient merit. Value, \$52.50.

#### **Philips Lighting Prize**

Awarded annually on the recommendation of the head of the Department of Architectural Science to a candidate for a degree or diploma in the Faculty of Architecture who has completed an illumination course or courses and who demonstrates the greatest proficiency in one or more of such of those courses as the head of the department shall determine at the commencement of each year, provided that the candidate's work is of sufficient merit. Value, \$100.

#### **Royal Australian Institute of Architects N.S.W. Chapter Prize**

Established in 1948 by the offer of an annual prize by the New South Wales Chapter of the Royal Australian Institute of Architects.

Awarded annually on the recommendation of the head of the Department of Architecture to the candidate qualifying to graduate Bachelor of Architecture whose performance in the final two years of the course has been outstanding. The prize consists of a certificate and a cash payment of \$250.

#### **Ruskin Rowe Prize for Architecture**

Established in 1979 under the Will of the late Mrs Vera Elizabeth Ruskin Rowe in memory of her late husband, Harold Ruskin Rowe, a distinguished Sydney architect. The prize is paid from the income of a trust fund of \$4000 administered by the trustees of her estate.

Awarded annually by the Faculty of Architecture on the recommendation of the professors in the Department of Architecture, to a candidate for the degree of Bachelor of Architecture who on graduation demonstrates general meritorious work during the whole degree course, provided that the candidate's work is of sufficient merit. Annual value about \$450.

#### **Stephenson-Turner Scholarship**

Donated by Messrs Stephenson and Turner, Archi-

texts, and established by Sir Arthur Stephenson under the following conditions:

(1) The Stephenson-Turner Scholarship shall consist of a medal and the sum of \$300, and shall be awarded annually so long as the donor makes provision for that purpose.

(2) The scholarship shall be awarded by the Faculty of Architecture to the candidate for the degree of Bachelor of Architecture who, in addition to having completed courses to a value of at least 45 units with academic distinction, shows most evidence of possessing qualities of character and leadership and, in particular, being likely to develop a high sense of professional responsibility and ethics.

(3) The award shall be made to the student irrespective of any other awards held by the student.

(4) The money shall be payable at the discretion of the Faculty, either before or after qualification for admission to the degree.

#### **Sir John Sulman Prize**

Founded in 1929 by a gift of £200 from Sir John Sulman, lecturer in Architecture for twenty-five years (1887-1912), for the study of the Rational Design of Modern Structures.

A book prize to be awarded annually on the recommendation of the head of the Department of Architecture to the student graduating Bachelor of Architecture who has the best record in the subject area Architectural Design. Value, \$100.

#### **C. H. L. Turner Memorial Prize**

Established in 1963 by a gift of £200 from Mr and Mrs A. H. Turner of Vacluse, in memory of their son, Christopher Hugh Lempriere Turner.

The prize, consisting of books, is awarded annually on the recommendation of the head of the Department of Architecture, to the candidate for the degree of Bachelor of Architecture who presents the best solution to a selected problem in the course 916.102 Architectural Design 2. Value, \$90.

#### **Leslie Wilkinson Prize**

Established in 1948 by a gift of £80 from the Sydney University Architectural Society.

Awarded annually on the recommendation of the head of the Department of Architecture to the student qualifying to graduate Bachelor of Science (Architecture) who has the best record in History courses within the subject area Design, History and Theory, provided that his work is of sufficient merit. Value, \$50.

### **Faculty of Arts**

#### **Wigram Allen Scholarship, No. II<sup>1</sup>**

Awarded to the most distinguished student entering the Law School on graduation in the Faculty of Arts, or, if there is no such graduate of sufficient merit, then to the most distinguished student entering the Law School on passing the second year in the Faculty of Arts. Value, \$100, tenable for one year.

#### **Ian David Armfield Memorial Prize**

Established in 1973 by a gift of \$400 from the friends of the late Ian David Armfield in his memory.

Awarded annually on the joint recommendation of the heads of the Departments of German and French to an honours student in the third year in the Department of French and/or the Department of German

<sup>1</sup> Under review.



for meritorious performance in language work. If possible it will be awarded to a student enrolled in both the French and German third year honours courses. Value, \$50.

#### **Margaret Ann Bailey Memorial Prize**

Founded in 1957 by a donation of £250 from subscribers to an appeal for funds to establish a prize in memory of the late Miss M. A. Bailey, formerly Principal of Ascham School. Awarded under the following conditions:

- (1) The Margaret Ann Bailey Memorial Prize shall be awarded to the woman candidate who most distinguishes herself in the final Honours Year in any modern foreign European language.
- (2) The prize shall be awarded annually, provided there is a candidate of sufficient merit, by a committee consisting of Heads of Departments of the modern foreign European languages within the Faculty of Arts. Value, \$100.

#### **Pitt Cobbett Scholarships**

The scholarships were established in 1939 by a bequest of £2130.2.4d from Professor Pitt Cobbett who was appointed to the first Chair of Law in 1890 and subsequently became the first Dean of the Faculty of Law. The bequest stipulated that the scholarships were to be for the study of law, 'subject however to the condition that such scholarship shall only be awarded to students who are able to declare that they are in need of such assistance'.

The scholarships may be awarded annually on the recommendation of the Dean of the Faculty of Law to candidates for the degree of Bachelor of Laws or to candidates for bachelors degrees proceeding concurrently in the Faculties of Arts and Law, Economics and Law, or Science and Law who give the Dean satisfactory assurance that they require assistance to meet student expenses and who have, to the satisfaction of the Dean, demonstrated academic merit in secondary or tertiary education.

The value of each scholarship shall be determined by the Dean within the range \$500 to \$1000. There may be more than one award each year.

#### **Audrey Lillian Cruse Prize**

For conditions of award see under *Archaeology* in this section.

#### **Konstantin Gawrilow Scholarship**

For conditions of award see under *Undergraduate scholarships and prizes*.

#### **Max Le Petit Memorial Prizes**

Established in 1948 by a gift of £200, from G. Le Petit, for two annual prizes in memory of his son. One is awarded to the best student in Greek IB, provided that the candidate's work is of sufficient merit. The other is awarded to the best honours student in the Classical section of the Archaeology II class. Value, \$85 each.

### **Faculty of Dentistry**

#### **Professor A. J. Arnott Prize**

In 1965 the Dental Alumni Society of the University donated £150 to endow a fund so that the prize previously made available by Professor A. J. Arnott might be continued.

Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Surgery for proficiency in Oral Surgery. Value, \$50.

#### **Percy A. Ash Prize**

Donated by Mr W. P. Ash, QC.

Awarded annually to a student in the third year of the course for the degree of Bachelor of Dental Surgery for proficiency in Operative Dentistry. Value, \$20.

#### **Australian Society of Endontology, New South Wales Branch, prize for Clinical Proficiency in Endodontics**

Established in 1972 by the offer of an annual donation by the Endodontic Society of N.S.W.

Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Surgery for clinical proficiency in Endodontics. The prize will be awarded on the recommendation of the head of the Department of Operative Dentistry. Value, \$50.

#### **Australian Society of Periodontology Prize**

Donated by the Australian Society of Periodontology.

Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Surgery for proficiency in Periodontics. The prize is in the form of a medal.

#### **B. C. W. Barker Medal**

Established in 1983 by the offer of Mr and Mrs D. Barker to provide funds to establish an annual medal in the Faculty of Dentistry in memory of their son, Dr B. C. W. Barker. Dr Barker joined the staff of the University of Sydney as a lecturer in Operative Dentistry in 1960, was promoted to Senior Lecturer in Dental Anatomy in 1963 and to Associate Professor in Dental Anatomy in 1972.

The medal may be awarded annually on the recommendation of the Dean of the Faculty of Dentistry to the candidate for the degree of Bachelor of Dental Surgery who demonstrates greatest proficiency in Anatomy in the second year, provided that the candidate's work is of sufficient merit.

The prize shall be in the form of a medal.

#### **Richard Belitho Bush Memorial Prize**

Founded in 1969 by a bequest of \$2000 from the late Richard Belitho Bush.

Awarded annually to a student studying Dentistry at the University, such prize to be awarded at the discretion of the Dean of the Faculty of Dentistry. Value, \$250.

#### **G. S. Caird Scholarship**

Founded in commemoration of the late G. S. Caird.

Awarded annually at the second year examinations for the degree of Bachelor of Dental Surgery for proficiency in Prosthetic Dentistry. Value, \$500.

#### **Leslie Raymond Carroll Prize**

Founded in 1926 by a gift of £50 from the Dental Undergraduates' Association to establish a prize in memory of Leslie Raymond Carroll, who died during the fourth year of his course.

Awarded annually at the fourth year examinations for the degree of Bachelor of Dental Surgery for proficiency in Prosthetic Dentistry. The prize will be in the form of a silver medallion.

#### **Dr P. C. Charlton Prize**

Founded in 1953 by a bequest of £175 from the late Percie Chater Charlton.

Awarded annually to a student in the fourth year of the course for the degree of Bachelor of Dental Surgery for proficiency in Pharmacology and Therapeutics. Value, \$60.

#### **Dr Lothian G. Crane Prize**

Established in 1960 by the gift of £100 from the late Dr L. G. Crane. The fund was increased in 1981 by a further gift from Mrs I. C. Crane, to continue the prize in memory of her husband.

Awarded annually to a student in the Third Year of the course for the degree of Bachelor of Dental Surgery for proficiency in Pathology. This prize shall take the form of a medal.

#### **H. J. V. Cusack Memorial Prize**

Established in 1962 by the gift of £1000 from Mrs C. M. Quinton.

Awarded annually to a student in the fourth year of the course for the degree of Bachelor of Dental Surgery for proficiency in Operative Dentistry. Value, \$275.

#### **Dental Alumni Society Prize I**

Donated by the Dental Alumni Society of the University.

Awarded annually to a student in the fifth year of the course for the degree of Bachelor of Dental Surgery for proficiency in Pedodontics. The prize shall take the form of a medal.

#### **Dental Alumni Society Prize II**

Donated by the Dental Alumni Society of the University.

Awarded annually to a student in the third year of the course for the degree of Bachelor of Dental Surgery for proficiency in pre-clinical Operative Dentistry. The prize shall take the form of a medal.

#### **Dental Alumni Society Prize III**

Donated by the Dental Alumni Society of the University.

Awarded annually to a student in the first year of the course for the degree of Bachelor of Dental Surgery for proficiency in Biology. The prize shall take the form of a medal.

#### **Dental Alumni Society Prize IV**

Donated by the Dental Alumni Society of the University.

Awarded annually to a student in the second year of the course for the degree of Bachelor of Dental Surgery for proficiency in Histology and Dental Histology. The prize shall take the form of a medal.

#### **Dental Alumni Society Prize V**

Donated by the Dental Alumni Society of the University.

Awarded annually to a student in the fourth year of the course for the degree of Bachelor of Dental Surgery for proficiency in Clinical Prosthetic Dentistry. The prize shall take the form of a medal.

#### **Dental Board of N.S.W. Prizes (2)**

Donated by the Dental Board of New South Wales.

These prizes have been awarded each year since 1947 to a student in the first year and a student in the second year of the course for the degree of Bachelor of Dental Surgery for general proficiency. Value, \$100 each.

#### **Edmond Charles Gates Memorial Prize**

Established in 1957 by the offer of an annual donation by the Australian Society of Orthodontists (N.S.W. Branch) in honour of the late Dr E. C. Gates.

Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Sur-

gery for proficiency in Orthodontics. The prize shall take the form of a medal.

#### **Goldsworthy-Sullivan Memorial Prize**

Established in 1962 by a donation of £360 from the Dental Alumni Society of the University to endow a prize in memory of Dr N. E. Goldsworthy, Director of the Institute of Dental Research, and Dr H. R. Sullivan, Assistant Director of the Institute, who both died in 1960.

Awarded annually on the recommendation of the Dean of the Faculty of Dentistry to the final year student for the degree of Bachelor of Dental Surgery who has been most proficient in the field of Oral Biology over the entire degree course, provided the student's work is of sufficient merit. The prize shall take the form of a medal.

#### **W. Alan Grainger Memorial Prize**

Donated by Mrs E. Grainger in memory of her husband, W. A. Grainger, MDS.

Awarded annually to a student in the fourth year of the course for the degree of Bachelor of Dental Surgery for proficiency in Ceramics. Value, \$245.

#### **Rudolf Gunz Prize**

The prize was established in 1985 by the offer of Rudolf Gunz and Co. Pty Ltd to make an annual donation to the University.

The prize may be awarded annually on the recommendation of the Board of Examiners for the Fifth Year of the degree of Bachelor of Dental Surgery to the most proficient student in Fifth Year of the degree, provided the student's work is of sufficient merit. Value, \$300 and a medal.

#### **John Stephen Hill Memorial Prize**

Founded in 1965 by a donation of £582 15s. from a fund established by the Australian Dental Association (New South Wales Branch) to endow a prize in memory of the late Dr J. S. Hill.

Awarded for proficiency in Clinical Operative Dentistry in the final year of the course leading to the degree of Bachelor of Dental Surgery. Value, \$150.

#### **Richard M. Howe Prize in Anatomy for Dental Prosection**

Awarded first in 1967 and established in 1968 by the offer of an annual donation from Richard M. Howe, BDS.

Awarded to a student for the best prosection in the second year of the course for the degree of Bachelor of Dental Surgery, subject to the student's performance in the Second Year examination in Anatomy being of sufficient merit. If two or more prosectors are of equal merit, the prize may be shared. Value, \$300.

#### **Dr Haddon Kemp Prize**

Established in 1935 by the offer of an annual donation from Dr Haddon Kemp to promote excellence in Regional Anaesthesia.

Dr Haddon Kemp was a lecturer in Local Anaesthesia at the University from 1935 to 1946 and from 1956 to 1975. He lectured in Local Anaesthesia at the University of Queensland from 1947 to 1955. He was Superintendent of the United Dental Hospital from 1934 to 1946 and practised as a specialist oral surgeon, first in Brisbane and then in Sydney, from 1946 to 1976.

The prize is awarded annually on the recommendation of the head of the Department of Oral Surgery to the student in the final year of the Bachelor of Den-

tal Surgery course who shows the greatest proficiency in Regional Anaesthesia, provided the student's work is of sufficient merit. Value, \$25.

#### **K. P. Mackinnon Prize**

Established in 1959 by the offer of an annual donation of \$10.50 from Mrs M. Mackinnon to establish a prize in memory of her husband, the late Associate Professor Mackinnon.

Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Surgery for proficiency in Clinical Prosthetic Dentistry. Value, \$10.50.

#### **Dr Everett Magnus Memorial Prize**

Donated by the Dental Board of New South Wales.

Awarded annually to a student in the fourth year of the course for the degree of Bachelor of Dental Surgery for proficiency in Oral Surgery. Value, \$100.

#### **Frank Marshall Prize**

Established in 1950 by a gift of £338 9s. 6d. from the Australian Dental Association, New South Wales Branch, in recognition of the dental services rendered by Colonel Frank Marshall, CMG, during World Wars I and II.

Awarded annually to an ex-service student or the child of an ex-serviceman in the third year of the course for the degree of Bachelor of Dental Surgery for proficiency in the subjects of the third year examinations. Value, \$150.

#### **Dr Henry Bruce Maxwell Prize**

Established in 1957 by a gift of £100 from the beneficiaries in the estate of the late Henry Bruce Maxwell as a memorial to Dr Maxwell.

Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Surgery for proficiency in Operative Dentistry. Value, \$40.

#### **Winifred Nettie Ockenden Bequest**

Founded in 1970 by a bequest of \$400 from the late E. E. M. Ockenden to establish the Winifred Nettie Ockenden Bequest in memory of her sister, the late Winifred Nettie Ockenden. The conditions applying to the bequests are as follows:

- (1) The Winifred Nettie Ockenden Bequest shall be used to provide short-term loans to male and / or female undergraduates in any Faculty in the University of Sydney, except that preference may be given to students in the Faculty of Dentistry.
- (2) The maximum amount for an individual loan shall normally be \$50.
- (3) Subject to the discretion of the Secretary, loans shall be interest free.
- (4) Repayment periods of loans may vary but shall usually be short.
- (5) Applications should be made to the Scholarships Section of the Registrar's Office.
- (6) These conditions may be varied from time to time as the Senate thinks fit.

#### **W. J. D. Partridge Memorial Scholarship**

Established by gifts from W. E. G. Partridge of £50 and £500 in 1939 and a further £500 in 1940.

Awarded annually at the third year examinations for the degree of Bachelor of Dental Surgery for proficiency in the subjects of the third year examinations. Value, \$435.

#### **Port Dental Laboratories Prize in Restorative Dentistry**

Established in 1979 by G. H. Port Dental Laboratories Pty Ltd by the offer of an annual donation of \$250.

Awarded annually on the recommendation of the Dean of the Faculty of Dentistry acting on the advice of the heads of the Departments of Operative and Prosthetic Dentistry to the final year candidate for the degree of Bachelor of Dental Surgery who shows the greatest proficiency in the subjects Operative Dentistry and Prosthetic Dentistry, provided that the candidate's work is of sufficient merit. Value, \$250.

#### **Brigadier Gordon Rowell Prize**

Donated by Brigadier A. Gordon Rowell, CBE, ED, QHDS.

Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Surgery for proficiency in Preventive Dentistry. Value, \$130.

#### **Royal College of Surgeons Dental Society of Australia Prize**

Established in 1964 by a donation from the Royal College of Surgeons Dental Society of Australia.

Awarded annually to a student in the second year of the course for the degree of Bachelor of Dental Surgery for proficiency in the Basic Sciences (i.e., Anatomy, Physiology, Biochemistry, and Histology). The prize is in the form of a medal.

#### **Society of Oral Surgeons of New South Wales Medallion**

Established in 1968 by an offer from the Society of Oral Surgeons of New South Wales of an annual donation for a prize in the form of a medallion.

Awarded annually on graduation for proficiency in Clinical Oral Medicine and Oral Surgery during the fourth and fifth years of the course of the degree of Bachelor of Dental Surgery.

#### **Roy C. Underwood Prize**

Established in 1964 by a gift of £500 from Roy C. Underwood to provide a prize of £50 per annum.

Awarded to a student in the fourth year of the course for the degree of Bachelor of Dental Surgery for an essay on Dental Materials. Value, \$100.

#### **Dr John H. Wilson Prize**

The prize was established in 1946 by the offer of an annual donation by Dr John Henry Wilson who graduated BDS in 1927 and DDSc in 1933. The Prize was perpetuated by a gift of \$500 from Mrs Enid Wilson in 1976.

Awarded annually to a student in the third year of the course for the degree of Bachelor of Dental Surgery for proficiency in Prosthetic Dentistry. Value, \$70.

#### **R. Morse Withycombe Prize**

Donated by G. Morse Withycombe, BDS, to honour the memory of his father. Established in 1958.

Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Surgery for proficiency in Clinical Periodontics. Value, \$50.

#### **Board of Studies in Divinity**

##### **Rachel McKibbin Prize**

Established in 1964 by a bequest of £275 from the late Miss Rachel McKibbin.

UNDERGRADUATE:  
DENTISTRY  
DIVINITY

The prize is awarded annually by the Board of Studies in Divinity to the best candidate at the completion of the second year examination for the degree of Bachelor of Divinity, if of sufficient merit. Value, \$100.

## Faculty of Economics

### Frank Albert Prizes

Founded in 1958 by a gift of £500 from Frank Albert of Sydney.

Three annual prizes are awarded for proficiency at the annual examinations in the Faculty of Economics, one for each of the first, second, and third years of the degree. Value, \$50.

### Australian Institute of Political Science Prize in Government I

Established in 1980 by a donation from the Australian Institute of Political Science for a prize in Economics.

The prize is to be awarded annually by the Faculty of Economics to the most proficient student in the course Government I. Value, \$50.

### Australian Society of Accountants (N.S.W. Division) Prizes

The prizes were established in 1938 by the offer of an annual donation from the then Commonwealth Institute of Accountants (N.S.W. Division), now the Australian Society of Accountants (N.S.W. Division), three prizes to be awarded annually, one for each of the subjects Accounting I, II and III.

The prizes are awarded on the results of the annual examinations to the most successful candidate in each of the courses, provided their work is of sufficient merit and provided they are candidates for the degree of Bachelor of Economics. Value, \$300 each.

### Sir Alexander Beattie Prizes

Established in 1982 by the donation of \$2115 by the Sir Alexander Beattie Testimonial Dinner Committee for prizes for students of Industrial Relations and Industrial Law.

#### *Sir Alexander Beattie Prize in Industrial Relations*

Awarded annually on the recommendation of the head of the Department of Industrial Relations to the candidate for the degree of Bachelor of Economics enrolled in the course Industrial Relations II Normal or Industrial Relations II Advanced who shows greatest proficiency in the elective 'The Historical Development of Industrial Relations', provided the candidate's work is of sufficient merit. Value, \$100.

### Mary Beattie Scholarships

Founded in 1959 by a bequest of about \$2500 from the late Mary Beattie.

The scholarships are awarded under the following conditions:

- (1) The scholarships shall be the Mary Beattie Scholarship No. I and the Mary Beattie Scholarship No. II.
- (2) The Mary Beattie Scholarship No. I, annual value of \$150, is awarded to the woman candidate for the BEc degree (if of sufficient merit) with the best results in Economic History II, provided she proceeds to Economic History III.
- (3) The Mary Beattie Scholarship No. II, annual value of \$300, is awarded to the woman candidate for the BEc degree (if of sufficient merit) with the best results in Economic History III, provided she proceeds to the Honours Year in Economic History.

- (4) The awards will be made by the Head of the Department.

### Emeritus Professor F. A. Bland Prize

For conditions of award see under *Government* in this section.

### Dr Mary Booth Scholarship

Established in 1961 by the gift of £3670 from the Memorial College of Household Arts and Science (In Liquidation) the income from which is to be used for the purpose of scholarships known as the Dr Mary Booth Scholarships.

Awarded annually to women candidates for the Bachelor of Economics degree on the basis of their performance in Economics in first and second year, the scholarship to be held in the third and fourth years of the degree. Value, \$1000 per annum.

### S. J. Butlin Memorial Prizes

Established in 1978 by colleagues and friends of the late Emeritus Professor S. J. Butlin at the Australian National University for the award of scholarly prizes in his memory at the University of Sydney.

#### *S. J. Butlin Memorial Prize No. 1*

Awarded annually on the recommendation of the head of the Department of Economic History to the student in the Faculty of Economics whose work is judged by the head of the department to be the best of those who attain high distinction standard in undergraduate coursework in Australian economic history other than in the final honours year. Value, \$250.

#### *S. J. Butlin Memorial Prize No. 2*

Awarded annually on the recommendation of the head of the Department of Economic History to the final honours year student in the Faculty of Economics who attains the highest mark for the final honours year thesis in Australian economic history, provided that mark is at first class honours standard. Value, \$250.

### G. S. Caird Scholarship

Awarded to the student in the Faculty of Economics who, on passing the second year examination, shows the greatest proficiency in the subject of Economics. Value, \$500, tenable for one year.

### Chamber of Commerce Prize

The Sydney Chamber of Commerce offers a prize of \$20 to the best student graduating in the Faculty of Economics and specialising in commercial subjects.

### Commonwealth Bank Undergraduate Scholarships

Established in 1951 by a gift of £11 500 from the Commonwealth Bank of Australia. There are two types of scholarships awarded, (1) Graduate Scholarships and (2) Undergraduate Scholarships.

1. For graduate scholarships, see under *Graduate Scholarships and Prizes, Faculty of Economics*.

2. The undergraduate scholarships are awarded under the following conditions:

- (1) Each scholarship shall be called a Commonwealth Bank Undergraduate Scholarship.
- (2) The scholarships shall be tenable for one year in the University of Sydney in the final Honours Year of the Bachelor of Economics degree, or in the final Honours Year of the Bachelor of Arts degree.
- (3) Candidates for a bachelor's degree who intend to proceed to the final Honours Year in the Departments of Economics, Econometrics, Economic History, Accounting, Industrial Re-

lations or Government and Public Administration as full-time candidates shall be considered for the scholarships.

(4) A maximum of six scholarships will be available each year.

(5) A scholarship shall be awarded on the basis of proficiency in the senior advanced course.

(6) Candidates who complete the senior advanced courses on a part-time basis may be considered for an award.

(7) The scholarships shall be awarded on the recommendation of the Dean who will consult with the Heads of Departments.

(8) Each scholarship shall be tenable for one year in the year of award.

(9) Holders of scholarships must enrol in accordance with clause 3 above.

(10) Subject to availability of funds the value of the scholarships shall normally be \$300 each but the Faculty may, in special circumstances, award such lesser amounts as it determines.

#### **Coopers and Lybrand Prize in Accounting**

Established in 1980 by an annual donation of \$200 from Coopers and Lybrand Chartered Accountants, to provide a prize in the Department of Accounting.

The prize is awarded annually to the candidate who has qualified for the award of the degree of Bachelor of Economics including the courses Accounting I, Accounting II and Accounting III and has most distinguished himself or herself in those courses, provided the candidate's work is of sufficient merit. Value, \$200.

#### **Corporate Affairs Commission Prize in Law II (Department of Accounting)**

Established in 1979 by the offer of an annual donation of \$100 from the Corporate Affairs Commission Benevolent Trust.

Awarded annually in the Faculty of Economics to an undergraduate enrolled as a candidate for the degree of Bachelor of Economics who demonstrates the greatest proficiency in the course Law II in the Department of Accounting if the candidate's work is of sufficient merit. Value, \$100.

#### **Donald George Crew Memorial Prize**

Founded by Mr and Mrs L. E. Crew, in memory of their son, Donald George Crew, a graduate in the Faculty of Economics, who was accidentally killed soon after completing his degree. The prize is awarded under the following conditions:

(1) The prize shall be known as the Donald George Crew Memorial Prize, and shall be of the annual value of \$20.

(2) The prize shall be awarded annually to the student in the Faculty of Economics who shall be the most distinguished in the subject of Economics III, provided the student's work is of sufficient merit.

#### **Donald George Crew Memorial Prize for Officers of the Commonwealth Banking Corporation and of the Reserve Bank of Australia**

Founded by Mr and Mrs L. E. Crew, in memory of their son, Donald George Crew, a graduate in the Faculty of Economics and an officer of the Commonwealth Bank, who was accidentally killed soon after completing his degree. The prize is awarded under the following conditions:

(1) The prize shall be known as the Donald George Crew Memorial Prize for Officers of the

Commonwealth Banking Corporation and of the Reserve Bank of Australia and shall be of the annual value of \$25.

(2) The prize shall be awarded annually to the student in the Faculty of Economics who is an officer of the Commonwealth Banking Corporation or of the Reserve Bank of Australia and who shall be the most distinguished in the courses for the Third Year of the degree of Bachelor of Economics, if of sufficient merit.

#### **Crooks Michell Peacock Stewart Pty Ltd Prize**

Established in 1974 by the offer of an annual donation to establish a prize in Operations Research from Messrs Crooks, Michell, Peacock, Stewart Pty Ltd, Engineers, Architects and Planners.

Awarded annually on the recommendation of the Head of the Department of Econometrics to the most proficient student in the senior course Operations Research provided that the student's work is of sufficient merit. Value, \$250.

#### **Geoffrey Dale Prize**

Established in 1968 by a bequest of \$200 from the late Geoffrey Dale, one-time Registrar of the University.

Awarded for proficiency at the annual examinations in the Faculty of Economics for the third year of the degree. Value, \$30.

#### **Economic Research Society's Prize**

Founded in 1924 by a gift of £40, being the unused funds of the Economic Research Society handed to the University on the termination of the Society's activities.

Awarded annually to the degree student in Economics who most distinguishes himself at the first year examination. Value, \$50.

#### **Economic Society Prize in Economics**

Awarded annually by the Economic Society of Australia and New Zealand (New South Wales Branch) on the recommendation of the Head of the Department of Economics to the final honours year candidate in the Department of Economics who most distinguishes himself or herself, provided the candidate's work is of sufficient merit.

Value, \$200, together with three years' membership of the Economic Society of Australia and New Zealand.

#### **Economics Graduates' Association Prizes**

Established in 1963 by the offer of an annual donation of \$20 from the University of Sydney Economics Graduates' Association, and by the further offer in 1969 of an annual donation of \$20. Two prizes awarded annually to the students graduating as Bachelor of Economics who have most distinguished themselves throughout their courses, provided they are of sufficient merit.

One prize is awarded for performance in Economics and the other is normally awarded for work in one of the other schools of the Faculty. Value, \$20 each.

#### **Esso Scholarship in Accounting**

Established in 1982 by an offer from Esso Australia Limited of an annual donation of at least \$500 for a minimum period of five years for a scholarship for students in Accounting.

(1) The name of the Scholarship shall be the Esso Scholarship in Accounting.

(2) The object of the Scholarship is to encourage

excellence in the study of Accounting and to assist undergraduates to complete such studies.

(3) The value of each Scholarship shall be \$500.

(4) The Scholarship shall be awarded by the Faculty of Economics on the recommendation of a committee consisting of the Dean of the Faculty of Economics, the Professors of Accounting, the Head of the Department of Accounting, and a representative of Esso Australia Ltd.

#### **Evening Students' Association Prizes**

In 1942 the Evening Students' Association made a gift of £100 to provide three annual prizes for evening students. The association had previously made an annual gift for the payment of the prizes.

One prize is awarded annually to a part-time student for proficiency in Economics III. Value, \$15.

#### **Federated Ironworkers' Association Prize in Industrial Relations**

The Federated Ironworkers' Association of Australia has agreed to donate an annual prize for ten years. The conditions of award are as follows:

(1) The prize shall be known as The Federated Ironworkers' Association Prize in Industrial Relations and shall be of the annual value of \$75.

(2) The prize shall be awarded annually on the recommendation of the head of the Department of Industrial Relations to the student proceeding to the degree of Bachelor of Economics who shall be the most distinguished in Industrial Relations, if of sufficient merit.

#### **John Kenneth Galbraith Prize**

Established in 1976 by a donation from Associate Professor E. L. Wheelwright to honour a distinguished economist.

Awarded annually to the best candidate in Economics II (P), provided the student's work is of sufficient merit. Value, \$50.

#### **K. M. G. Hungerfords Prize**

Established in 1968 by an offer from Messrs Hungerford, Hancock and Offner, Chartered Accountants, for an annual donation of \$50 for at least ten years.

Awarded annually to the candidate, who most distinguishes himself or herself in Accounting III Advanced, provided the candidate's work is of sufficient merit. Value, \$100.

#### **K. M. G. Hungerfords Prize in Taxation Law**

Established in 1976 by an offer from Hungerford, Hancock and Offner, Chartered Accountants, to donate a minimum of \$50 annually for at least five years.

Awarded annually in the Faculty of Economics on the recommendation of the Head of the Department of Accounting to the candidate for the degree of Bachelor of Economics who is most distinguished in the course Taxation Law, if of sufficient merit and not a recipient of any other prize in that course. Value, \$100.

#### **Ivo Whiston Kerr Memorial Prize**

Established in 1967 by a bequest of \$400 from the late Ivo Whiston Kerr.

Awarded annually to a student in the Faculty of Economics for the best essay work in Accounting I. Value, \$40.

#### **A. M. Magoffin Memorial Prize**

Established in 1972 in memory of Ann Margaret

Magoffin, a graduate in the Faculty of Economics and for many years a prominent member of the Australian Society of Accountants. The prize fund was the result of an appeal made at the instigation of the Women Members' Group of the New South Wales Division of the Australian Society of Accountants.

The prize is awarded annually to the student in the Faculty of Economics who is most distinguished in the course Taxation Law, provided the student:

(1) is of sufficient merit and

(2) has completed or enrolls in the following year in the course Accounting III. Value, \$150.

#### **Gunnar Myrdal Prize**

Established in 1978 by a donation from Associate Professor E. L. Wheelwright to honour a distinguished economist.

Awarded annually on the recommendation of the head of the Department of Economics to the student who performs best in the final honours year of the subject Economics amongst those who completed Economics II (P), provided the student's work is of sufficient merit. Value, \$50.

#### **Arthur Oakes Memorial Prize**

Founded in 1916 by a gift of £76 from subscribers to a memorial of Arthur Wellesley Oakes, MA, who was killed on active military service.

Awarded to the student with the best results in the annual examination in the History of Economic Thought. Value, \$200.

#### **Public Service Association of New South Wales—John S. D'Arcy Memorial Prizes**

Founded in 1931 by a gift of £430 from the Public Service Association of New South Wales for the purpose of establishing a permanent memorial to the late John S. D'Arcy. The money has been entrusted to the Senate to establish from the income thereof a prize or prizes in the course of Government until such time as a scholarship in that course may be awarded from the fund; such scholarship to be restricted to students undergoing the course of Government at the University, and such prizes or scholarships to be entitled the Public Service Association of New South Wales—John S. D'Arcy Memorial Prize or Scholarship, as the case may be; the donation to be made on the understanding that the Association may increase the capital at any time.

Present conditions of award:

(1) A prize of \$150 to the student who is most distinguished at the annual pass examination in Government II, if of sufficient merit.

(2) A prize of \$150 to the student who obtains first place in the distinction list of Government II.

(3) A prize of \$150 to the student who is most distinguished at the annual pass examination in Government III, if of sufficient merit.

(4) As for (2), but in Government III.

#### **G. C. Remington Prize**

For conditions of award see under *Government* in this section.

#### **Joan Robinson Prize**

Established in 1976 by a donation from Associate Professor E. L. Wheelwright to honour a distinguished economist.

Awarded annually to the best candidate in Economics I(P), provided he is of sufficient merit. Value, \$50.

### **Randolph G. Rouse Prize**

Established in 1954 by the offer of an annual sum of £5 from Randolph G. Rouse.

Awarded to the fourth year student in the Faculty of Economics who shows the greatest proficiency in the subject of Economics at graduation. Value, \$40.

### **Shell Prize in Government**

For conditions of award see under *Government* in this section.

### **Statistical Society of Australia (N.S.W. Branch) Prize in Econometrics**

Established in 1959 by the offer of an annual donation from the Statistical Society of Australia (New South Wales Branch) in order to encourage a continuing interest in statistics as a profession. In 1980, the prize was augmented by the offer of free membership to the Society for one year.

Awarded annually on the recommendation of the Head of the Department of Econometrics to the candidate for a Bachelor's degree who has shown greatest proficiency in the final Honours Year course Econometrics, provided that the candidate's work is of sufficient merit.

Value, \$50 and membership of the Society for one year.

### **Paul Sweezy Prize**

Established in 1978 by a donation from Associate Professor E. L. Wheelwright to honour a distinguished economist.

Awarded annually on the recommendation of the head of the Department of Economics to the student who performs best in Economics III or Economics III Advanced amongst those who completed Economics II(P), provided the student's work is of sufficient merit. Value, \$50.

### **Touche Ross & Co. Prize**

At its meeting on 3 March 1986 the Senate accepted the above new prize. The Faculty recommends the following terms and conditions of award:

- (1) The prize was established in 1986 by an offer of an annual donation of \$200 from Touche Ross & Co.
- (2) The prize may be awarded annually on the recommendation of the Head of the Department of Accounting to the most proficient student in the course Accounting II Advanced, provided the student's work is of sufficient merit. Value, \$200.

### **Universities Credit Union Prizes**

Established in 1982 by the offer of an annual donation from the Universities Credit Union, as a reflection of the close association between the University and the Credit Union, for prizes to be awarded for undergraduate study in Accounting, Economics and Finance.

#### *Universities Credit Union Prize in Accounting*

Awarded annually on the recommendation of the head of the Department of Accounting to the candidate for a bachelor's degree who concurrently completes Accounting I and Law I and who demonstrates greatest overall proficiency in those courses, provided the candidate's work is of sufficient merit. Value, \$100.

#### *Universities Credit Union Prize in Economics*

Awarded annually on the recommendation of the head of the Department of Economics to the candidate for a bachelor's degree who demonstrates greatest proficiency in the course Economics III Ad-

vanced, provided the candidate's work is of sufficient merit. Value, \$100.

#### *Universities Credit Union Prize in Finance*

Awarded annually on the recommendation of the head of the Department of Economics to the candidate for a bachelor's degree who demonstrates greatest proficiency in the fourth year honours course in Finance in the Department of Economics, provided the candidate's work is of sufficient merit. Value, \$100.

## **Faculty of Engineering**

### **Abbott Laboratories Prize**

Established in 1969 by the offer of an annual gift from Abbott Laboratories Pty Ltd.

Awarded annually on the recommendation of the head of the Department of Chemical Engineering to the candidate for the degree of Bachelor of Engineering in Chemical Engineering with the most distinguished performance in the senior advanced year in the subject Biochemical Engineering, provided the candidate's work is of sufficient merit. Value, \$150.

### **Ampol Petroleum Limited Prize in Chemical Engineering**

Established in 1978 by the offer from Ampol Petroleum Limited for an annual prize of \$200 for a period of five years. In 1983 the Company offered to support the prize for a further five years.

Awarded annually on the recommendation of the head of the Department of Chemical Engineering to the candidate whose work he considers to have shown the most improvement from among candidates in the Intermediate, Senior or Senior Advanced Year for the degree of Bachelor of Engineering in Chemical Engineering, provided that the candidate's work is of sufficient merit. Value, \$200.

### **Association of Consulting Structural Engineers of New South Wales Prizes No. I and No. II in Civil Engineering**

Established in 1964 by the offer of an annual gift from the Association of Consulting Structural Engineers of New South Wales.

Awarded annually, on the recommendation of the head of the Department of Civil Engineering, to the candidates for the degree of Bachelor of Engineering in Civil Engineering who show the greatest proficiency in the courses of study in Structural Design and Civil Engineering Design in their third and fourth years of enrolment, respectively, provided that their work is of sufficient merit. Value, \$80 (Prize No. I) and \$120 (Prize No. II).

### **ARC Engineering Pty Ltd Prize**

Established in 1965 by the offer of an annual gift from ARC Engineering Pty Ltd. Awarded annually on the recommendation of the head of the Department of Civil Engineering to the candidate for the degree of Bachelor of Engineering who shows the greatest proficiency in studies related to reinforced concrete, provided the work is of sufficient merit. Value \$100.

### **R. L. Aston Prize**

Founded in 1967 by a gift of \$845 from subscribers to an appeal sponsored by the Civil Engineering Graduates' Association of the University, as a tribute to Dr R. L. Aston, formerly Associate Professor of Geodesy and Surveying and a member of staff for thirty-seven years.

UNDERGRADUATE:  
ECONOMICS  
ENGINEERING

Awarded annually to the student who shows the greatest proficiency in Surveying in the Bachelor of Engineering degree course. Value, \$120.

**Australian Gas Light Company Prize in Chemical Engineering**

Established in 1978 by the offer from the Australian Gas Light Company for an annual prize of \$200.

Awarded annually on the recommendation of the head of the Department of Chemical Engineering to the Intermediate Year candidate for the degree of Bachelor of Engineering in Chemical Engineering whose work demonstrates the most proficiency, provided the candidate's work is of sufficient merit. Value, \$300.

**Australian Oil Refining Pty Limited Prize in Chemical Engineering**

Established in 1978 by the offer from Australian Oil Refining Pty Limited for an annual prize of \$100 for a period of ten years.

Awarded annually on the recommendation of the head of the Department of Chemical Engineering to the Senior Year candidate for the degree of Bachelor of Engineering in Chemical Engineering whose work demonstrates proficiency, provided that the candidate's work is of sufficient merit. Value, \$100.

**Bradfield Memorial Prize**

Founded in 1945 by a gift of £150 from the Institution of Engineers to establish a prize in memory of the late Dr J. J. C. Bradfield.

Awarded annually to the most distinguished student graduating with first class honours in Civil Engineering. The award is made on the recommendation of the head of the Department of Civil Engineering. Value, \$75.

**V. M. Brooker Commercial Broadcasting Memorial Prize**

Founded in 1950 at the 20th Annual Convention of the Australian Federation of Commercial Broadcasting Stations in memory of the late V. M. Brooker.

The prize is awarded annually at graduation to the honours student in Electrical Engineering whose work in the field of radio engineering, as described in his thesis, shows the greatest proficiency, provided his work is of sufficient merit. Value, \$400.

**Cable Makers Australia Proprietary Limited Prize**

An annual prize of \$21 donated by Cable Makers Australia Pty Ltd to graduates or undergraduates in Electrical Engineering for an essay or thesis on any aspect of Electrical Engineering, provided that such essay or thesis is of sufficient merit and shows the development of original and critical thought.

**G. S. Caird Scholarship in Electrical Engineering**

Awarded by the Faculty of Engineering on the recommendation of the Head of the Department of Electrical Engineering to a candidate for the degree of Bachelor of Engineering with honours in Electrical Engineering for meritorious performance in the senior core courses for that degree. Value, \$500, tenable for one year.

**D. Campbell-Allen Prize**

The prize was established in 1984 by a donation of \$1500 from the fees of a number of lecturers who took part in a seminar and dinner in honour of Professor Denison Campbell-Allen.

Professor Campbell-Allen was Professor of Civil Engineering from 1968 to 1983, Dean of the Faculty of Engineering from 1974 to 1977 and Chairman of the Academic Board from 1978 to 1981.

Awarded annually on the recommendation of the Head of the School of Civil and Mining Engineering to the Senior Year candidate for the Degree of Bachelor of Engineering in Civil Engineering who demonstrates the greatest proficiency in the annual examinations, provided the candidate's work is of sufficient merit. Value, \$80.

**Chemical Engineering Foundation Prize**

The prize was established in 1983 by an offer from the Chemical Engineering Foundation of an annual donation for an undergraduate prize. The prize is awarded in accordance with the following conditions:

- (1) The name of the prize shall be the Chemical Engineering Foundation Prize.
  - (2) The object of the prize shall be to foster an understanding of the chemical engineering industry. In order to fulfil the requirements for the award of the prize, students will be expected to gain an appreciation of the commercial, technical and social environment in which the industry in which they are assigned to work, operates.
  - (3) The value of the prize shall be \$500, and the award shall be accompanied by the issue of a certificate.
  - (4) The prize is awarded by the Council of the Chemical Engineering Foundation on the recommendation of the director.
  - (5) The prize shall be open to full-time candidates for the degree of Bachelor of Engineering in Chemical Engineering who have completed vacation work at an approved industrial site.
  - (6) The prize shall be awarded on the basis of a written report, submitted to the Chemical Engineering Foundation, giving an account of the student's vacation work experience and observations concerning the industry. The report shall be not more than ten type-written A4 pages.
  - (7) The report shall contain at least three sections relating to:
    - (a) Perceptions of the industry and the environment in which it operates: a discussion of the key issues affecting that industry is required.
    - (b) Aspects of personnel relationships: the student is expected to have formed a view on some aspect of the industry's industrial relations, social responsibility, community acceptance and other similar issues.
    - (c) Aspects of technical significance: the student is expected to describe involvement in the technical area worked in and to provide a statement of the problem or assignment worked on together with the results obtained.
- The student is also invited to comment on other matters which he or she feels warrant special mention.
- (8) The prize shall only be awarded if the Council of the Chemical Engineering Foundation on the advice of the director deems the student's report to be of sufficient merit.
  - (9) Applications must be lodged with the Foundation not later than the first Friday of March each year.

**Civil Engineering Graduates Prize**

Established in 1982 with donations totalling \$1200 from graduates in Civil Engineering.

Awarded annually on the recommendation of the



Head of the School of Civil and Mining Engineering to the Intermediate Year candidate for the degree of Bachelor of Engineering who shows the greatest proficiency in the courses Structures I and Structural Design I, provided that the candidate's work is of sufficient merit. Value, \$100.

#### **The Civil Engineering Graduates of 1950 Prize**

Established in 1984 by a donation of \$1200 from members of the Civil Engineering graduates of 1950.

Awarded annually on the recommendation of the Head of the School of Civil and Mining Engineering to the Senior Year candidate for the degree of Bachelor of Engineering who demonstrates the greatest proficiency in the field of soil mechanics, provided that the candidate's work is of sufficient merit. Value, \$110.

#### **CSR Limited Scholarship in Chemical Engineering**

In 1961 the then Colonial Sugar Refining Company Ltd, now CSR Limited, agreed to provide funds annually for the establishment of a scholarship to be awarded to an undergraduate entering the second year of the course in Chemical Engineering in the Faculty of Engineering. From 1970 the scholarship shall be awarded to an undergraduate who enrolls in the Intermediate courses prescribed for the degree of Bachelor of Engineering in Chemical Engineering.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the C.S.R. Limited Scholarship in Chemical Engineering.
- (2) The object of the scholarship is to encourage and assist undergraduates to undertake a course in Chemical Engineering.
- (3) The amount of each scholarship shall be in the range of \$500–\$2675 per annum.
- (4) The scholarship shall be awarded to a student who is qualified to enrol in the Intermediate courses prescribed for the degree in Chemical Engineering, provided that he is of sufficient merit.
- (5) The scholarship shall continue from one year to the next for the remaining three years of the degree. The continuation of the scholarship shall be dependent upon the holder's performance, work and conduct remaining satisfactory.
- (6) During the currency of the scholarship, the holder shall be required to complete a progress report on his work at the end of each year. This shall be submitted to the Company through the Head of the Department of Chemical Engineering.
- (7) Applications must be lodged with the Registrar not later than 30 November each year.
- (8) The scholarship shall be awarded by the Faculty of Engineering on the recommendation of a committee consisting of the Head of the Department of Chemical Engineering, the Dean of the Faculty of Engineering or the Dean's nominee, and two representatives of CSR Limited.

Note.—The Company is prepared to offer vacation employment to the scholarship holder during his course, but this is not regarded as a condition of the award.

#### **Commonwealth Industrial Gases Limited Prize in Chemical Engineering**

Established in 1978 by the offer from Commonwealth Industrial Gases Limited for an annual prize of \$150 for a period of five years.

Awarded annually on the recommendation of the

Head of the Department of Chemical Engineering to a Junior year candidate for the degree of Bachelor of Engineering in Chemical Engineering whose work demonstrates proficiency, provided that the candidate's work is of sufficient merit. Value, \$300.

#### **Harvey Dare Prize**

Established in 1949 by a bequest of £200 from the late H. H. Dare.

Awarded annually to the student who, graduating BE in Civil Engineering with first class honours, shall have most distinguished himself in Hydrodynamics and Hydraulic Engineering at the final year examination. The award is made on the recommendation of the Head of the Department of Civil Engineering. Value, \$125.

#### **E. H. Davis Prize**

Established in 1982 in memory of the late Professor E. H. Davis, Professor of Civil Engineering from 1968 until his death in 1981.

Awarded annually by the Dean of the Faculty of Engineering on the recommendation of the Head of the School of Civil and Mining Engineering to the candidate for the degree of Bachelor of Engineering enrolled in final year Civil Engineering or in final year Mining Engineering who is most distinguished in geotechnical engineering, provided that the candidate's work is of sufficient merit. Value, \$120.

#### **Dow Undergraduate Scholarship in Chemical Engineering**

Established in 1982 by the offer of Dow Chemical (Australia) Ltd of an annual scholarship to encourage candidates for the degrees of Bachelor of Engineering to undertake studies in Chemical Engineering.

Awarded annually on the recommendation of the Head of the Department of Chemical Engineering to an Intermediate Year candidate for the degree in Chemical Engineering for proficiency in Junior year, provided that the candidate's work is of sufficient merit. The scholarship is tenable for one year in the first instance, and may be renewed for a second and third year, provided that, in the opinion of the Head of the Department of Chemical Engineering, the candidate's progress is satisfactory.

Value is to be determined by the head of the department within the range of \$500 to \$1000.

#### **Electrical Engineering Foundation Prize**

Established in 1985 by an offer from the Electrical Engineering Foundation of an annual donation for an undergraduate prize. The prize is awarded with the following conditions:

- (1) The name of the prize shall be the Electrical Engineering Foundation Prize.
- (2) The object of the prize shall be to foster understanding of and interest in the Australian Electrical Industry. Students will be expected to display an appreciation of the commercial, technical and social environment in which the industry operates.
- (3) The value of the prize shall be \$400 and the award shall be accompanied by the issue of a certificate.
- (4) The prize is awarded by the Council of the Electrical Engineering Foundation on the recommendation of the Director.
- (5) The prize shall be open to full-time Senior Advanced Year candidates for the degree of Bachelor of Engineering in Electrical Engineering.

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(6) The prize shall be awarded on the basis of a written report and an interview. The report will be on a specific topic related to the Electrical Industry which will be announced by the Director in the final term of the Senior Year.

(7) Reports will be assessed on the manner in which the specified topic has been treated and on the insight shown into matters of commercial and technical significance to the industry.

(8) Meritorious candidates will be interviewed by a committee comprising representatives from the Foundation Council, the professors of Electrical Engineering and other academic staff of the department, to provide those candidates with an opportunity to demonstrate further their understanding of the topic.

(9) The prize shall be awarded only if the Council of the Foundation, on the advice of the Director, deems the student's report to be of sufficient merit.

(10) Applications and reports shall be lodged with the Director of the Foundation not later than the first Friday of July each year.

#### **Electrical Engineering Foundation Prize for Intermediate Students**

Established in 1985 by an offer from the Electrical Engineering Foundation of an annual donation for a prize to encourage the study of Electrical Engineering by undergraduates at the University of Sydney.

Awarded annually by the Faculty of Engineering on the recommendation of a committee consisting of the Head of the Department of Electrical Engineering, the examiners of the Intermediate Electrical courses and the Chairman of the Electrical Engineering Foundation (or the Chairman's nominee) to the Intermediate Year Candidate for the Degree of Bachelor of Engineering in Electrical Engineering who shows the greatest overall proficiency in the Intermediate Year provided the candidate's work is of sufficient merit.

Value, \$300. The award shall be accompanied by the issue of a certificate.

#### **Electrical Manufacturers' Association of N.S.W. Prizes for Electrical Power Engineering**

Founded in 1955 by a donation of £500 from the Electrical Manufacturers' Association of New South Wales.

Two prizes are awarded annually at graduation to the honours students in Electrical Engineering whose work in the field of power engineering as described in their theses shows the greatest proficiency, provided the work is of sufficient merit. Value, \$150.

#### **Electricity Supply Engineers' Association of New South Wales Prize**

Established in 1975 by the offer of an annual donation from the Electricity Supply Engineers' Association of New South Wales.

Awarded annually on the recommendation of the Head of the Department of Electrical Engineering to a candidate for the degree of Bachelor of Engineering enrolled in senior courses who has shown outstanding merit in his work in the field of Electric Power Distribution. Value, \$100.

#### **Esso Australia Limited Scholarship in Chemical Engineering**

Established in 1978 by the offer from Esso Australia Ltd for an annual prize of \$200 for a period of ten years.

Awarded annually on the recommendation of the

Head of the Department of Chemical Engineering to the Junior Year candidate for the degree of Bachelor of Engineering whose work demonstrates the most proficiency and who enrolls in the Intermediate core courses for the degree in Chemical Engineering, provided that the candidate's work is of sufficient merit. Value, \$200.

#### **John Antony Garnsey Memorial Prize**

Founded in 1928 by a gift of £30 from class members and lecturers as a memorial to the late John Antony Garnsey, who died while a student in Engineering.

Awarded annually, on the recommendation of the Dean of the Faculty of Engineering, to the candidate enrolled in the Faculty who shows the greatest proficiency in the course 1.181 Materials I. Value, \$25.

#### **Graduates' Prize in Aerodynamics**

Founded in 1952 by an initial donation of £52 10s. from the Aeronautics Graduates' Fund.

The prize is awarded annually on the recommendation of the Professor of Aeronautical Engineering to a final year student in Aeronautical Engineering for proficiency in Aerodynamics. Value, \$110.

#### **Graduates' Prize for Proficiency in Aeronautical Engineering**

Established in 1960 by a gift of £300 from the Aeronautics Graduates' Fund.

Awarded annually, on the recommendation of the Head of the Department of Aeronautical Engineering, for proficiency in the senior courses prescribed for the degree of Bachelor of Engineering in Aeronautical Engineering. Value, \$75.

#### **Graduates' Prize for Proficiency in Aeronautical Engineering—Senior Advanced Courses**

Established in 1975 by the offer of an annual donation from the Aeronautics Graduates' Association.

Awarded annually on the recommendation of the Head of the Department of Aeronautical Engineering, for proficiency in the senior advanced courses presented for the degree of Bachelor of Engineering in Aeronautical Engineering. Value, \$50.

#### **William and Jane Grahame Mechanical Engineering Prizes**

Founded, with a scholarship, in 1905 by a gift of £1000 from Mrs Jane Grahame, of 'Strathearn', Waverley, widow of the late Hon. William Grahame. The prizes are of two kinds, minor and major.

Eight minor prizes of value \$65 each may be awarded annually by the Head of the Department of Mechanical Engineering, for outstanding merit in any of the courses prescribed for the degree of Bachelor of Engineering in Mechanical Engineering.

One major prize, value \$260, may be awarded every two years for a technical paper or other literary work of merit on a mechanical engineering subject published by a recent graduate in mechanical engineering during the five years following his or her graduation.

The award shall be made by the Head of the Department of Mechanical Engineering from among applications lodged with the Registrar following appropriate advertisement, or to any other eligible person.

The number of prizes available in any year will depend on the state of the funds at the time.

#### **William and Jane Grahame Mechanical Engineering Scholarship**

Founded, with prizes, in 1905 by a gift of £1000 from

Mrs Jane Grahame, of 'Strathearn', Waverley, widow of the late Hon. William Grahame.

Awarded annually, on the recommendation of the Head of the Department of Mechanical Engineering, for proficiency in the senior courses prescribed for the degree of Bachelor of Engineering in Mechanical Engineering, to a student of sufficient merit who is admitted to candidature for the honours degree. Value, \$620 for one year.

#### **Clifford Dawson Holliday Prize**

Founded in 1954 by a bequest of £1000 from the late Andrew Holliday for a prize to be known as the Clifford Dawson Holliday Prize in Engineering.

Awarded annually, on the recommendation of the Dean of the Faculty of Engineering, to the candidate enrolled in the Faculty who, in his first year of attendance, shows the greatest proficiency in the annual examinations. Value, \$150.

#### **Honeywell Prize**

Established in 1962 by the offer of an annual gift from Honeywell Pty Ltd.

Awarded annually, on the recommendation of the head of the Department of Chemical Engineering, to the candidate who reaches the highest standard in practical work, including the reports submitted thereon, in the course 2.164 Chemical Engineering II, provided that his work is of sufficient merit. Value, \$75.

#### **IBM Prize in Computing**

Established in 1963 by IBM Australia Pty Ltd.

Awarded annually, on the recommendation of the Head of the Department of Chemical Engineering, to the candidate for the degree of Bachelor of Engineering in Chemical Engineering who most distinguishes himself in Digital Computing, provided that his work is of sufficient merit. Value, \$150.

#### **ICI Australia Ltd Prize (No 1)**

Established initially for five years, commencing in 1959, and continued by an annual gift from Imperial Chemical Industries of Australia and New Zealand Limited.

Awarded annually, on the recommendation of the Head of the Department of Chemical Engineering, to the candidate for the degree of Bachelor of Engineering in Chemical Engineering who demonstrates greatest proficiency in the course Project Engineering I, provided that the candidate's work is of sufficient merit. Value, \$100.

#### **ICI Australia Ltd Prize (No 2)**

Established in 1981 by the offer from ICI Australia Ltd to donate annually the sum of \$1000 for a prize in the Department of Chemical Engineering.

Awarded annually on the recommendation of a committee consisting of the Dean of the Faculty of Engineering and the professors and associate professors of chemical engineering, to the most distinguished student who has completed Senior Year in Chemical Engineering taking into account academic achievement, character, and accomplishments in cultural, sporting or recreational activities. Value, \$1000.

#### **Institution of Chemical Engineers Prize in Chemical Engineering**

Established in 1978 by the offer from the Institution of Chemical Engineers, for an annual prize of a medal and \$100 for a period of five years.

Awarded annually on the recommendation of the head of the Department of Chemical Engineering to the Senior Advanced Year candidate for the degree of Bachelor of Engineering in Chemical Engineering who presents the best undergraduate thesis, provided that the candidate's work is of sufficient merit. The prize will consist of a medal and the sum of \$150.

#### **Institution of Engineers, Australia, Prize in Engineering**

Established in 1978 by the offer of an annual gift from the Institution of Engineers, Australia.

Awarded annually on the recommendation of the dean of the Faculty of Engineering to the candidate graduating Bachelor of Engineering who shows the greatest proficiency, provided that the candidate's work is of sufficient merit. The prize consists of the award of the R. A. Priddle Medal and the sum of \$200.

#### **R. E. Jeffries Memorial Prize**

Established in 1978 by a bequest of \$3000 from the late Mr R. E. Jeffries for a prize in Electrical Engineering.

Awarded annually in the Faculty of Engineering on the recommendation of the Head of the Department of Electrical Engineering, to the Intermediate Year candidate for the degree of Bachelor of Engineering who shows the greatest proficiency in introductory electrical engineering courses in the Intermediate Year provided the candidate's work is of sufficient merit. Value, \$260.

#### **Phil Jones Award**

The award was established in 1983 by contributions from colleagues, past students and friends to commemorate the work of Associate Professor Phil Jones as a member of staff in Civil Engineering, as Dean of the Faculty of Engineering and as a member of the University community, following his death in 1982 while holding the position of Dean. Associate Professor Jones first joined the staff of the University in 1955 as a temporary lecturer in Civil Engineering. He was appointed to the permanent staff in 1960 and was promoted to Senior Lecturer in Civil Engineering in 1964 and to Associate Professor in 1973.

The award may be made annually by the Faculty of Engineering on the recommendation of the Standing Committee of the Faculty to a candidate for the degree of Bachelor of Engineering enrolled in the Intermediate or Senior Year who is nominated either by a member of the Faculty of Engineering or by a student enrolled for the degree of Bachelor of Engineering. The nominee should have achieved a high standard of academic proficiency and contributed to the life of the University.

Value: \$500.

#### **Kent Instruments (Australia) Pty Ltd Prize in Chemical Engineering**

Established in 1978 by the offer from Kent Instruments (Australia) Pty Ltd for an annual prize of \$150 for a period of at least five years.

Awarded annually on the recommendation of the head of the Department of Chemical Engineering to the Senior Advanced Year candidates for the degree of Bachelor of Engineering in Chemical Engineering whose group presents the best design report in Chemical Engineering, provided that the candidates' work is of sufficient merit. Value, to be shared, \$200.

#### **Charles Kolling Graduation Prize in Mechanical Engineering**

Under the terms of the gift of Mrs Eva Kolling for

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promoting advanced study in Mechanical Engineering in the P. N. Russell School of Engineering a prize of the value of \$675, to be known as the Charles Kolling Graduation Prize, is awarded each year to a student in Mechanical Engineering on the following conditions:

- (1) The prize shall be awarded on the recommendation of the Faculty of Engineering to the candidate presenting the best graduation thesis on a Mechanical Engineering subject, provided that such thesis is judged to be of sufficient merit.
- (2) Candidates for the prize must have satisfactorily completed the full courses of lectures and demonstrations in Mechanical Engineering.
- (3) The conditions governing the preparation of the thesis shall be those obtaining from time to time in the Department of Mechanical Engineering.

**A. S. Macdonald Prize of the Association of Consulting Structural Engineers of New South Wales**

Founded in 1958 by a gift of £604 from the Association of Consulting Structural Engineers of New South Wales as a prize in memory of the late A. S. Macdonald.

The prize is awarded annually, on the recommendation of the head of the Department of Civil Engineering, to the honours candidate in Civil Engineering whose work in the field of structural engineering shows the highest merit. Value, \$150.

**R. W. McKenzie Prize**

Established by gifts from Mrs N. M. McKenzie, BA, of £100 in 1955 and a further \$800 in 1967, in memory of Captain R. W. McKenzie, MC (Australian Flying Corps).

Awarded to the student who has shown the greatest proficiency in the senior and senior advanced courses in aircraft structures and solid mechanics, provided that his work is of sufficient merit. Value, \$120.

**Hugh Giffin McKinney Prize**

Established in 1960 by the bequest of £100 from the late Mrs Elizabeth Margaret Ash, to endow a prize in memory of her father, and to be called the Hugh Giffin McKinney Prize.

Awarded annually, on the recommendation of the Dean of the Faculty of Engineering, to the candidate in the Faculty who, in his second year of attendance, shows the greatest proficiency in the Intermediate courses. Value, \$35.

**John Main Prize**

Established in 1968 by a bequest of \$100 per annum from the late John Murdoch Main, CBE.

Awarded annually, on the recommendation of the Head of the Department of Civil Engineering, to the student who, graduating Bachelor of Engineering in Civil Engineering with first class honours, most distinguishes himself in all the examinations for the degree of Bachelor of Engineering in Civil Engineering. Value, \$200.

**Mining and Metallurgical Bursaries**

The trustees of the Mining and Metallurgical Bursaries Fund offer bursaries valued at \$200 per annum to students who intend to enter the mining and metallurgical industries.

The bursaries are awarded to students who have completed the first year of an appropriate course, after consideration of academic results, character, conduct and personality.

**Mining Engineering Graduates' Prize**

Established in 1964 by donations subscribed by graduates in Mining Engineering.

Awarded annually, on the recommendation of the senior lecturer in Mining Engineering, to a candidate for the degree of Bachelor of Engineering in Mining Engineering who shows the greatest proficiency in the senior courses prescribed for the degree, provided that his work is of sufficient merit. Value, \$200.

**Monsanto Australia Ltd Prize**

Established in 1983 by the offer of Monsanto Australia Ltd of an annual prize to recognise excellence in studies in Chemical Engineering.

The prize may be awarded annually on the recommendation of the Head of the Department of Chemical Engineering to a candidate for the degree of Bachelor of Engineering in Chemical Engineering for proficiency in Intermediate year, provided the candidate's work is of sufficient merit. Value, \$200.

**P. G. Morgan Memorial Prize in Mechanical Engineering Design**

Established in 1978 to commemorate the gifted and enthusiastic contribution to mechanical engineering design of Peter G. Morgan, Senior Lecturer in the Department of Mechanical Engineering from 1967-76, from research funds remaining in his name at the time of his death.

Awarded annually on the recommendation of the Head of the Department of Mechanical Engineering to a candidate for an undergraduate or postgraduate degree in the Faculty of Engineering for outstanding work in an undergraduate or postgraduate course in mechanical engineering design, provided that the candidate's work is of sufficient merit. Value, \$135.

**Nabalco Pty Ltd Prize in Chemical Engineering**

Established in 1978 by the offer from Nabalco Pty Ltd for an annual prize of \$300 for a period of five years, subject to review at the end of that time.

Awarded annually on the recommendation of the Head of the Department of Chemical Engineering to the Senior Year candidate for the degree of Bachelor of Engineering in Chemical Engineering whose work demonstrates the most proficiency, provided that the candidate's work is of sufficient merit. Value, \$300.

**J. W. Roderick Prize**

Established in 1980 in honour of Emeritus Professor J. W. Roderick, Challis Professor of Civil Engineering and Head of the Department of Civil Engineering from 1951 to 1978, by donations from graduates in Civil Engineering.

Awarded annually to the candidate who graduates Bachelor of Engineering in Civil Engineering and who has shown the greatest proficiency in the final year thesis, provided that the candidate's work is of sufficient merit.

Value, \$150.

**Susan Mary Rouse Memorial Prizes**

Established in 1952 by the offer of an annual gift of £10 by R. G. Rouse in memory of his mother.

**No 1 Prize**

Awarded annually on the recommendation of the Dean of the Faculty of Engineering to the candidate for the degree of Bachelor of Engineering in Aeronautical, Electrical or Mechanical Engineering who shows the greatest proficiency in the final thesis, provided the candidate's work is of sufficient merit.

Value, \$40.

### **No 2 Prize**

Awarded annually on the recommendation of the Dean of the Faculty of Engineering to the candidate for the degree of Bachelor of Engineering in Chemical, Civil or Mining Engineering who shows the greatest proficiency in the final thesis, provided the candidate's work is of sufficient merit.

Value, \$40.

### **Peter Nicol Russell Undergraduate Scholarships in Mechanical Engineering**

Under the gift of Sir Peter Nicol Russell, which established in 1896 the fund that later became known as the Peter Nicol Russell Bequest, four scholarships for the encouragement of higher education in Mechanical Engineering are offered annually for candidates for the degree of Bachelor of Engineering in Mechanical Engineering, under the following conditions:

(1) The name of the scholarships shall be the Peter Nicol Russell Undergraduate Scholarships in Mechanical Engineering.

(2) The object of the scholarships shall be to encourage higher education in Mechanical Engineering.

(3) The scholarships shall be of the annual value of \$1500 each.

(4) The scholarships shall be awarded by the Academic Board on the recommendation of a selection committee consisting of the Dean of the Faculty of Engineering, who shall be Chairman, and the Professors, Associate Professors and Readers in the Department of Mechanical Engineering and such other members of the Faculty of Engineering as may be nominated by the Dean in consultation with the Head of the Department of Mechanical Engineering so that the membership of the committee consists at all times of no less than three persons.

(5) The scholarships shall be open to full-time candidates for the degree of Bachelor of Engineering in Mechanical Engineering.

(6) The scholarships shall be tenable for one year in the first instance but may be renewed for a second, third and fourth year provided that a scholarship may only be held in the final year of candidature for the degree if the holder has been admitted to Honours candidature.

(7) The scholarships shall be renewable annually on the recommendation of the selection committee subject to the candidates' making progress to the satisfaction of the committee.

(8) (i) Subject to (v) below, the scholarships shall be awarded on the basis of academic merit.

(ii) In the case of applicants who have no previous record of tertiary study scholarships shall be awarded on the basis of the applicants' performance at the Higher School Certificate examination.

(iii) In the case of applicants who have a previous record of tertiary study, the selection committee, in determining awards, shall take into account the applicants' performance at the Higher School Certificate examination and their subsequent record of tertiary study.

(iv) A scholarship shall not be awarded to an applicant who is of more than three years' standing from the Higher School Certificate examination on the basis of which the application is considered, unless the applicant has been engaged for the full

period following completion of that Higher School Certificate examination in a programme of employment and/or study related to the practice of engineering.

(v) An applicant for a scholarship who has been admitted to candidature for the degree in accordance with the by-laws relating to provisional matriculation may be given preferential consideration for the award of a scholarship.

(vi) Subject to (v) above, a scholarship shall only be awarded if the selection committee deems the applicant's academic record to be of sufficient merit.

(9) An applicant for a scholarship who intends enrolling in the Junior year of candidature for the degree of Bachelor of Engineering shall affirm in writing that he or she intends to proceed as a candidate for the degree in Mechanical Engineering.

(10) The holder of a scholarship shall not be in receipt of any other scholarship or equivalent award.

(11) For the first year of tenure of a scholarship one half of the annual stipend shall be paid in advance and thereafter payments shall be made on a quarterly basis in advance.

(12) The scholarships shall be awarded subject to the availability of funds and applications shall normally be made in writing to the Registrar no later than 31 January.

### **K. K. Saxby Prize**

Founded in 1918 by a gift by G. C. Saxby, BA, of £150, being the amount of the military pay due to his son, Kenneth Knowlton Saxby, a first year student in the Faculty of Engineering, who was killed in action in France in September 1917.

Awarded annually, on the recommendation of the Dean of the Faculty of Engineering, to the candidate enrolled in the Faculty who, in the first year of attendance, shows the greatest proficiency in either of the courses 1.010 Mathematics I (Pure and Applied) or 1.018 Mathematics IE, provided the candidate's work is of sufficient merit. Value, \$180.

### **K. C. Seale Prize in Electrical Engineering**

Established in 1953 by the offer of an annual amount of \$6.30, by K. C. Seale, BSc BE. In 1976 the value of the award was increased to \$15.

The prize is awarded to a final year student for proficiency in practical work in Electrical Engineering, if of sufficient merit.

### **Shell Refining (Australia) Pty Ltd Scholarship in Chemical Engineering**

Established in 1983 by the offer of Shell Refining (Australia) Pty Ltd of an annual scholarship to encourage and assist candidates for the degree of Bachelor of Engineering in Chemical Engineering. The scholarship shall be awarded under the following conditions.

(1) The scholarship shall be awarded annually on the recommendation of a committee consisting of the Dean of the Faculty of Engineering, the Head of the Department of Chemical Engineering, the professors, readers and associate professors in Chemical Engineering, and two representatives of Shell Refining (Australia) Pty Ltd, to a student qualified to enrol full time as an Intermediate Year candidate for the degree of Bachelor of Engineering in Chemical Engineering, provided the

student's work in Junior Year is of sufficient merit.

(2) The scholarship shall be tenable for one year in the first instance and may be renewed for the third and fourth years of candidature, provided that, in the opinion of the Selection Committee, the candidate's progress is satisfactory.

(3) The value of the scholarship shall be determined by the Selection Committee, within the range \$500-\$1500 per annum.

#### **Shell Prizes in Chemical Engineering**

A prize in Chemical Engineering was established in 1958 by the Shell Company of Australia. In 1982 the University accepted an offer whereby Shell Refining (Australia) Pty Ltd would provide two prizes for final year students in the Department of Chemical Engineering, in place of the original prize. The prizes are funded by annual donation.

The prizes may be awarded annually on the recommendation of the Head of the Department of Chemical Engineering to the two candidates who have demonstrated greatest proficiency in the final year of enrolment for the degree of Bachelor of Engineering in Chemical Engineering, provided the candidate's work is of sufficient merit.

Value, \$200 each.

#### **Shell Refining (Australia) Pty Ltd Prizes in Mechanical Engineering**

Established in 1983 by the offer of Shell Refining (Australia) Pty Ltd of four annual prizes to recognise excellence in studies in Mechanical Engineering relevant to refinery operations.

##### *Shell Refining (Australia) Pty Ltd Junior Prize in Mechanical Engineering*

Awarded annually on the recommendation of the Head of the Department of Mechanical Engineering to the candidate for the degree of Bachelor of Engineering who is most proficient in the Junior core courses in Mechanical Engineering concerned with workshop practice and engineering mechanics, provided the candidate's work is of sufficient merit. Value, \$100.

##### *Shell Refining (Australia) Pty Ltd Intermediate Prize in Mechanical Engineering*

Awarded annually on the recommendation of the Head of the Department of Mechanical Engineering to the candidate for the degree of Bachelor of Engineering who is most proficient in the Intermediate core courses in Mechanical Engineering concerned with applied thermodynamics and fluid mechanics, provided the candidate's work is of sufficient merit. Value, \$100.

##### *Shell Refining (Australia) Pty Ltd Senior Prize in Mechanical Engineering*

Awarded annually on the recommendation of the Head of the Department of Mechanical Engineering to the candidate for the degree of Bachelor of Engineering in Mechanical Engineering who is most proficient in the Senior core courses concerned with systems engineering and electrical technology, provided the candidate's work is of sufficient merit. Value, \$100.

##### *Shell Refining (Australia) Pty Ltd Senior Advanced Prize in Mechanical Engineering*

Awarded annually on the recommendation of the Head of the Department of Mechanical Engineering to the candidate for the degree of Bachelor of Engineering in Mechanical Engineering who is most proficient in the Senior Advanced courses concerned

with industrial management, provided the candidate's work is of sufficient merit. Value, \$100.

#### **Shell Refining (Australia) Pty Ltd Scholarship in Mechanical Engineering**

Established in 1982 by the offer of Shell Refining (Australia) Pty Ltd of an annual scholarship to encourage and assist undergraduate students to undertake the degree of Bachelor of Engineering in Mechanical Engineering at the University of Sydney.

(1) Awarded annually on the recommendation of a committee consisting of the Dean of the Faculty of Engineering, the Head of the Department of Mechanical Engineering, the professors, readers and associate professors in Mechanical Engineering, and two representatives of Shell Refining (Australia) Pty Ltd, to a student qualified to enrol full time as an Intermediate year candidate for the degree in Mechanical Engineering, provided the student's work in Junior Year is of sufficient merit.

(2) The scholarship shall be tenable for one year in the first instance, and may be renewed for a second and third year provided that, in the opinion of the Selection Committee, the candidate's progress is satisfactory.

(3) Value to be determined by the Selection Committee within the range \$500 to \$1500 per annum. Applications must be lodged by 31 January each year.

#### **Murray Rainsford Smith Prize**

Founded in 1917 by a gift of £76 from Mrs Irwin Smith, being the amount of the military pay due to her son, Murray Rainsford Smith, a fourth year student in the Department of Civil Engineering, who was killed in action in France in December 1916.

Awarded annually, on the recommendation of the Head of the Department of Civil Engineering, for general proficiency in the courses 3.211 Structures II and 3.215 Materials II. Value, \$120.

#### **Staedtler Prize in Engineering**

Established in 1965 by the offer of an annual gift from Staedtler-Sovereign Pty Ltd.

Awarded annually on the recommendation of the Dean of the Faculty of Engineering, to the candidate in the Faculty who shows the greatest proficiency in the course 1.191 Machine Drawing and Descriptive Geometry, provided that his work is of sufficient merit. The prize shall consist of drawing instruments to the value of \$100.

#### **H. J. and C. K. Swain Prize in Mechanical Engineering**

Established in 1949 by a gift of £100 from H. J. Swain, BA Camb. BSc BE.

The prize is awarded from time to time to an undergraduate or research student who distinguishes himself by thesis or postgraduate research work in association with the Department of Mechanical Engineering in the Theory and Practice of Heat Engines, especially Internal Combustion Engineering. Value, \$100.

#### **D. G. Walkom Prize**

Established in 1977 by the bequest of \$2000 from the late Dr Arthur Walkom in memory of his son, David Grierson Walkom, the prize to be known as the D. G. Walkom Prize.

Awarded annually on the recommendation of the head of the Department of Civil Engineering to the most distinguished student graduating with first class

honours in Civil Engineering, provided the student's work is of sufficient merit. Value, \$150.

#### **Western Mining Corporation Limited Prizes in Chemical Engineering**

Established by the offer in 1978 of an annual donation from the Western Mining Corporation Limited to provide for two prizes to be awarded on the recommendation of the head of the Department of Chemical Engineering to candidates for the degree of Bachelor of Engineering.

One prize is awarded to an Intermediate Year candidate who demonstrates proficiency in the Intermediate courses completed by candidates proceeding in Chemical Engineering, provided that the candidate's work is of sufficient merit. Value, \$150.

One prize is awarded to the Senior Year candidate who demonstrates greatest proficiency in the course Unit Operations I, provided that the candidate's work is of sufficient merit. Value, \$150.

#### **Western Mining Corporation Limited Prizes in Materials and Mining Engineering**

Established by the offer in 1978 of an annual donation from the Western Mining Corporation Limited to provide for two prizes to be awarded on the recommendation of the head of the Department of Materials and Mining Engineering to candidates for the degree of Bachelor of Engineering.

One prize is awarded to the Senior Year candidate who demonstrates greatest proficiency in the courses 3.300 — Mining Engineering I, 3.303 — Mining and Mineral Economics I, and 3.304 — Mining Engineering II, provided that the candidate's work is of sufficient merit. Value, \$150.

One prize is awarded to the Senior Advanced Year candidate who demonstrates greatest proficiency in the courses 4.302 — Mining Engineering Practice, 4.305 — Thesis, and 4.307 — Mining and Mineral Economics II, provided that the candidate's work is of sufficient merit. Value, \$150.

#### **Percy L. Weston Prize**

Founded in 1919 by a donation of £100 from Mrs Clara Weston as a memorial to her late son, Percy Leonard Weston, BSc BE.

Awarded annually, on the recommendation of the head of the Department of Electrical Engineering, for general proficiency in the senior courses in Electrical Engineering prescribed for the degree of Bachelor of Engineering in Electrical Engineering. Value, \$75.

### **Faculty of Law**

#### **Wigram Allen Scholarships**

Founded by gifts of £381 in 1867 (with accumulations) and £500 in 1883, from Sir George Wigram Allen for the encouragement of the study of law.

##### **Wigram Allen Scholarship No. I**

(1) The annual sum available in respect of the scholarship shall be divided into two scholarships, the Wigram Allen Scholarship No. 1A, and the Wigram Allen Scholarship No. 1B.

(2) The Wigram Allen Scholarship No. 1A shall be awarded for general proficiency in the first year of the course for candidates who are not proceeding by way of the combined courses in Arts/Law, Economics/Law or Science/Law. Value, \$50, tenable for one year.

(3) The Wigram Allen Scholarship No. 1B shall be awarded for general proficiency in the subjects Legal Institutions, Public Law and Common Law

(comprising Torts and Contracts) for candidates who are proceeding by way of the combined courses in Arts/Law, Economics/Law or Science/Law. Value, \$50, tenable for one year.

(4) Without limiting any discretion otherwise existing as to the award of scholarships, if there is no candidate of sufficient merit for one of scholarships No. 1A and 1B, the two may be consolidated and awarded to the most distinguished candidate in the other course.

The Wigram Allen scholarship No. II is awarded in the Faculty of Arts.

#### **Sir Alexander Beattie Prize in Industrial Law**

Awarded on the recommendation of the head of the Department of Law to the candidate for the degree of Bachelor of Laws who shows greatest proficiency in Employment and Industrial Law (basic or extended course) provided that the candidate's work is of sufficient merit. Value, \$100.

#### **Butterworths Book Prizes**

Established in 1970 by Butterworths Pty Ltd by the annual donation of twelve prizes of thirty dollars each. The prizes take the form of a book voucher prize certificate, which will be exchanged for Butterworths publications.

Awarded annually by the Board of Examiners of the Faculty of Law to the following candidates provided that their work is of sufficient merit:

(a) Three book prizes are awarded to the three Third Year candidates for the combined degrees of Bachelor of Arts and Bachelor of Laws, Bachelor of Economics and Bachelor of Laws, and Bachelor of Science and Bachelor of Laws, who are the highest on the order of merit for all the Law subjects such candidates have completed to the end of the Third Year of their respective courses.

(b) Two book prizes are awarded, one to the most proficient and one to the second most proficient candidate amongst First Year candidates for the degree of Bachelor of Laws.

(c) Three book prizes are awarded, one to the most proficient, one to the second most proficient, and one to the third most proficient Second Year candidate for the degree of Bachelor of Laws, whether or not the candidates are enrolled for the combined degrees of Bachelor of Arts and Bachelor of Laws, Bachelor of Economics and Bachelor of Laws, or Bachelor of Science and Bachelor of Laws or for the degree of Bachelor of Laws.

(d) Two book prizes are awarded, one to the most proficient and one to the second most proficient candidate amongst Third Year candidates for the degree of Bachelor of Laws, whether or not the candidates are enrolled for the combined degrees of Bachelor of Arts and Bachelor of Laws, Bachelor of Economics and Bachelor of Laws, or Bachelor of Science and Bachelor of Laws, or for the degree of Bachelor of Laws.

(e) Two book prizes are awarded, one to the most proficient and one to the second most proficient candidate amongst Fourth Year candidates for the degree of Bachelor of Laws.

Value: 12 prizes valued at \$50 each.

#### **Andrew M. Clayton Prize for Real Property, Succession and Equity**

Established in 1980 by the offer from the Partners of Clayton Utz & Company, Solicitors, Sydney, to do-

nate annually the sum of \$500 for a prize in the Faculty of Law.

The prize shall be known as the Andrew M. Clayton Memorial Prize and shall be awarded annually, on the recommendation of the Board of Examiners of the Faculty of Law, to the candidate for the degree of Bachelor of Laws who is most proficient on combined performance in the subjects of Real Property, Succession and Principles of Equity, provided that the candidate's work is of sufficient merit.

#### **Pitt Cobbett Prizes**

Founded in 1910 by a gift of £175 from subscribers to a fund for the foundation of a prize in honour of Professor Pitt Cobbett, MA DCL, Professor at Law from 1890 to 1909.

One prize of \$60 in Public Law, one prize of \$60 in Federal Constitutional Law, and one prize of \$60 in Public International Law, are awarded annually.

#### **Corporate Affairs Commission Prize**

Established in 1976 by the offer of an annual donation of \$100 from the trustees of the Corporate Affairs Commission Benevolent Trust.

Awarded annually to an undergraduate student enrolled in the degree of Bachelor of Laws undertaking the subject Commercial Law II, if of sufficient merit. Value, \$100.

#### **Edward John Culey Prize**

Established in 1978 by a gift of \$750 from Miss Dorothy E. Culey and Miss Alma G. Culey in memory of their brother Edward John Culey.

Awarded annually by the Board of Examiners of the Faculty of Law to the candidate for the degree of Bachelor of Laws who obtains the highest aggregate mark in the two subjects Real Property and Principles of Equity, provided that the candidate's work is of sufficient merit. Value, \$100.

#### **John George Dalley Prizes**

Founded in 1922 by a bequest of £1000 from Mrs M. A. Dalley, for the award of an annual prize in the Faculty of Law, in memory of her late son, John George Dalley, to be awarded for proficiency in such branch or branches of Law and on such terms and conditions as the Senate shall from time to time determine.

Previously awarded to the most distinguished student graduating in the Faculty of Law. In 1954 and thereafter the prize will be awarded under the following conditions:

- (1) The annual sum available in respect of the prize shall be divided into two prizes, the John George Dalley Prize No. 1A and the John George Dalley Prize No. 1B.
- (2) The John George Dalley Prize No. 1A shall be awarded for general proficiency on graduation in the fifth year of the combined courses for Arts/Law, Economics/Law or Science/Law. Value, \$400.
- (3) The John George Dalley Prize No. 1B shall be awarded for general proficiency on graduation in the fourth year of the course for students who are not proceeding by way of the combined courses in Arts/Law, Economics/Law or Science/Law. Value, \$400.
- (4) Without limiting any discretion existing as to the award of prizes, if there is no candidate of sufficient merit for one of Prizes No. 1A and 1B, the two may be consolidated and awarded to the most distinguished candidate graduating in the other course.

#### **Thomas P. Flattery Prize**

Founded in 1958 by a gift of £105 from Mr Thomas P. Flattery, MA LLB. The prize is awarded under the following conditions:

- (1) The prize shall be known as the Thomas P. Flattery Prize.
- (2) The prize shall be awarded to the student who gains highest marks at the annual examinations in the subject Roman Law.
- (3) In the event of more than one student gaining highest marks the prize shall be divided equally amongst such students.
- (4) The prize shall be of the annual value of \$40.

#### **John Geddes Prize**

Established in 1938 by a gift of £60 from Mr and Mrs C. R. Geddes in memory of their son, Colin John Geddes, BA, who died in the third year of his course for the degree of LLB.

The prize is awarded annually on the results of the examinations in Principles of Equity. Value, \$40.

#### **Caroline Munro Gibbs Prize in Torts**

Established in 1962 by a bequest from Mrs Sybil Enid Vera Munro Greenwell of £1000 to endow a prize or scholarship in the Faculty of Law.

Awarded annually for proficiency in the annual examination in Torts. Value, \$350.

#### **George and Matilda Harris Scholarships**

Founded in 1900 by a gift of £1700 from Mrs Matilda Duff Harris, of Ultimo House, in memory of her late husband, George Harris, to be called the George and Matilda Harris Scholarship, and to be awarded in the Faculty of Law, for the encouragement of the study of law, under such rules and regulations as the Senate of the University may make from time to time for this purpose. Under this power it has been determined that the scholarships shall be awarded annually, under the following conditions:

##### *George and Matilda Harris Scholarship No. I*

The George and Matilda Harris Scholarship No. I shall be awarded for general proficiency in Law II. Value, \$100, tenable for one year.

##### *George and Matilda Harris Scholarship No. II*

- (1) The annual sum available in respect of the Scholarship shall be divided into two scholarships, the George and Matilda Harris Scholarship No. IIA and the George and Matilda Harris Scholarship No. IIB.
- (2) The George and Matilda Harris Scholarship No. IIA shall be awarded for general proficiency in all the subjects of the third year of the four-year course. Value, \$50, tenable for one year.
- (3) The George and Matilda Harris Scholarship No. IIB shall be awarded for general proficiency in all the subjects of the third year of the five-year course. Value, \$50, tenable for one year.
- (4) Without limiting any discretion otherwise existing as to the award of scholarships if there is no candidate of sufficient merit for one of Scholarships IIA and IIB, the two may be consolidated and awarded to the most distinguished candidate in the other course.

#### **Margaret Dalrymple Hay Prize**

Founded in 1946 by a gift of £100 forming portion of a larger fund intended by the subscribers (a group of ex-service law graduates and undergraduates) to mark appreciation of the service of Miss Margaret Fordyce Dalrymple Hay.



Awarded annually as a prize in the subject Legal Institutions. Value, \$50.

**R. G. Henderson Memorial Prize—Donated by the New South Wales Bar Association**

Established in 1961 by the offer of the New South Wales Bar Association to donate \$250 annually for a prize in the Faculty of Law. Awarded annually to the student gaining the University Medal.

**Sir Peter Heydon Prize**

Established in 1973 by a gift of about \$400 from the colleagues and friends of the late Sir Peter Richard Heydon, CBE, in his memory.

Awarded annually on the recommendation of the Faculty of Law for the best undergraduate contribution to the Sydney Law Review in the field of Constitutional, Administrative or International Law. Value, \$50.

**Aaron Levine Prize in Criminal Law**

Founded in 1974 by the Institute of Criminology in the Department of Law to establish a prize in the Faculty of Law in memory of the late Judge A. Levine.

The prize shall be known as the Aaron Levine Prize in Criminal Law and shall be awarded annually on the recommendation of the Board of Examiners of the Faculty of Law to the most proficient student in the subject Criminal Law if of sufficient merit. Value, \$350.

**J. H. McClemens Memorial Prize in Criminology No. 1**

Established in 1978 following an appeal inaugurated by the Institute of Criminology under the chairmanship of the Chief Justice of New South Wales to endow a memorial fund and prizes to honour the memory of The Hon. Mr Justice J. H. McClemens, Chief Judge at Common Law of the Supreme Court of New South Wales who for many years was active in the affairs of the Institute as Deputy Chairman.

Awarded annually by the Board of Examiners of the Faculty of Law to the candidate for the degree of Bachelor of Laws most proficient in the course Criminology, provided that the candidate's work is of sufficient merit. Value, \$200.

For the J. H. McClemens Memorial Prize in Criminology No. 2 and No. 3, see the Postgraduate Section.

**Bruce Panton Macfarlan Prize**

Established in 1978 by a gift of \$2150 from his wife, daughters and son in memory of their husband and father Bruce Panton Macfarlan, who graduated from the Faculty of Law in 1935, was a lecturer in the Faculty of Law between 1939 and 1951, was appointed to the Bench in 1959 and was Commercial Causes Judge for the Supreme Court of New South Wales between 1966 and 1973.

Awarded annually by the Board of Examiners of the Faculty of Law to the candidate for the degree of Bachelor of Laws who obtains the highest mark in the subject Commercial Law I, provided that the candidate's work is of sufficient merit. Value, \$250.

**The Minter Simpson Scholarship**

The scholarship was established in 1984 by the offer of an annual donation from Minter Simpson, Solicitors of Sydney. The scholarship will be awarded annually to the academically most distinguished graduate or graduand in the Faculties of Arts, Economics or Science enrolling in Law II who has passed the courses Legal Institutions, Public Law and Common Law (in

the Faculty of Arts) or Torts and Contracts (in the Faculties of Economics or Science) either as part of the Bachelor of Arts, Bachelor of Economics or Bachelor of Science degree courses or as part of the combined Arts/Law, Economics/Law or Science/Law degree courses. The scholarship is to be awarded upon the recommendation of the Dean of the Faculty of Law after consultation with the Deans of the Faculties of Arts, Economics and Science. The scholarship will only be awarded if there is a candidate whose work is considered to be of sufficient merit. Value, \$500.

**E. M. Mitchell Prize**

Founded in 1945 by a gift of £100 from Mrs H. J. Swain to establish a prize in the Faculty of Law in memory of her brother, the late E. M. Mitchell, KC.

The prize is awarded annually to an undergraduate in Law on the results of the examination in Contracts. Value, \$60.

**Monahan Prize**

Established in 1945 by a bequest of £2000 from the late W. W. Monahan to provide a scholarship in the Faculty of Law and to benefit the Law School Library.

Awarded annually to the student in the Faculty of Law who exhibits the highest proficiency in the Law of Evidence. Value, \$100.

**Sybil Morrison Prize in Jurisprudence**

Established in 1962 by a bequest from Mrs Sybil Enid Vera Munro Greenwell of £1000 to endow a prize or scholarship in the Faculty of Law.

Awarded annually for proficiency in the annual examination in Jurisprudence. Value, \$220.

**Sir John Peden Memorial Prize**

Founded in 1948 by a gift of £1347 from a committee formed for the purpose of endowing in the Faculty of Law a prize in memory of the late Sir John Peden.

The prize is awarded annually at graduation to the student in the Faculty of Law who has, during his course, shown the greatest proficiency in the subjects of Legal Institutions, Federal Constitutional Law, Real Property and Conflict of Laws, provided that if, in the opinion of the Faculty of Law, no candidate is of sufficient merit, the prize shall not be awarded in that year. Value, \$650.

**Margaret Ethel Peden Prize**

Established in 1947 by a bequest of £200 from the late Sir John Peden.

Awarded annually to an undergraduate in Law for proficiency in Real Property. Value, \$100.

**Permanent Trustee Company Ltd Prizes**

Established in 1962 by an offer from the Permanent Trustee Company Ltd to establish two annual prizes.

**Permanent Trustee Company Ltd Prize in Conveyancing**

The Prize in Conveyancing may be awarded annually by the Board of Examiners of the Faculty of Law to the candidate for the degree of Bachelor of Laws who is most proficient in the course Conveyancing (basic or extended), provided that the candidate's work is of sufficient merit. Value, \$250.

**Permanent Trustee Company Ltd Prize in Succession**

The Prize in Succession may be awarded annually by the Board of Examiners of the Faculty of Law to the candidate for the degree of Bachelor of Laws who is most proficient in the course Succession, provided that the candidate's work is of sufficient merit. Value, \$250.

### **Judge Samuel Redshaw Prize**

Established in 1969 by a gift of \$1000 from Dr J. M. Redshaw (Mrs J. M. Strong) to establish a prize in the Faculty of Law in memory of her father, Judge Samuel Redshaw, BA LLB.

For proficiency in Administrative Law. Value, \$150.

### **Walter Reid Memorial Fund**

For conditions of award see under undergraduate scholarships and prizes — any faculty.

### **E. D. Roper Memorial Prizes**

Established in 1962 by a donation of £1035 9s. 3d. from the E. D. Roper Memorial Fund to endow two annual prizes to be awarded for proficiency on combined performance in Principles of Equity and Commercial Law II.

Prize No. 1 to be awarded to the most meritorious student and Prize No. 2 to be awarded to the student second in order of merit. Value, \$220 each.

### **Walter Ernest Savage Prize**

Established in 1983 by a donation of \$2000 from the family of Walter Ernest Savage of Glebe to establish a memorial prize. Mr Savage graduated with the degree of Bachelor of Laws from the University of Sydney in 1961.

The prize may be awarded annually on the recommendation of the Board of Examiners of the Faculty of Law to the candidate for the degree of Bachelor of Laws who is most proficient in the course Conflict of Laws, provided that the candidate's work is of sufficient merit. Value, \$200.

### **Rose Scott Prize**

Founded in 1921 by a gift of £50 from Miss Rose Scott for an annual prize for women students in the Faculty of Law.

The prize is awarded annually by the Faculty of Law to the female candidate for the degree of Bachelor of Laws who shows the greatest proficiency at graduation, provided the candidate's work is of sufficient merit. The prize consists of law books to the value of \$160.

### **Nancy Gordon Smith Prizes for Honours at Graduation**

For conditions of award see under *Postgraduate Scholarships and Prizes: Faculty of Law*.

### **Stephen Jacques Stone James Prize for Commercial Law**

Established in 1980 by the offer from Stephen Jacques Stone James, Solicitors, Sydney, to donate annually the sum of \$250 for a prize in Law.

Awarded annually, on the recommendation of the Board of Examiners of the Faculty of Law, to the candidate for the degree of Bachelor of Laws who is most proficient on combined performance in the subjects Commercial Law I and Commercial Law II, provided that the candidate's work is of sufficient merit.

### **Julius Stone Prize in Sociological Jurisprudence**

Established in 1971 by a gift of \$700 from Dr and Mrs Otto Bondy.

Awarded annually, on the recommendation of the head of the Department of International Law and Jurisprudence to the best student in that part of the course Jurisprudence which deals with sociological jurisprudence at the annual examinations for the degree of Bachelor of Laws. Value, \$90.

### **Julius and Rea Stone Award in International Law and Jurisprudence**

Established in 1984 by a gift of \$1000 from the family and friends of Emeritus Professor Julius Stone and of his wife Mrs Rea Stone to commemorate their fiftieth wedding anniversary. Emeritus Professor Stone was Challis Professor of International Law and Jurisprudence in this University from 1942 to 1972.

The award is made annually on the recommendation of the Professor of Jurisprudence, acting in consultation, where appropriate, with the Professor of International Law. The award is made by considering the creative achievement displayed by undergraduate students in the essays set in any of the Jurisprudence or Public International Law subjects offered in the Faculty. The award will only be made where there is an essay of sufficient merit. Value, to be determined.

### **Judge Stanley Vere Toose Memorial Prize**

Established in 1970 by a gift of \$500 from members of the family of the late Judge Stanley Vere Toose—Mr Justice P. B. Toose, Mrs M. E. Bennett, Mrs J. M. Davis, and Mrs M. I. McGlynn—in memory of their father.

Awarded annually to the best student in the subject of the Family in Society provided there is a candidate of sufficient merit. Value, \$70.

### **Dawson Waldron Prize in Revenue Law**

For conditions of award see under *Postgraduate Scholarships and Prizes: Faculty of Law*.

### **Dudley Williams Prize**

Established in 1969 by a gift of \$1000 from the family of the late Sir Dudley Williams, a former Justice of the High Court of Australia, as a memorial to their late father.

Awarded annually to the student second in order of merit in the list of honours graduands in the Faculty of Law, except that if for some reason the University Medal is not awarded in any year, the prize may be awarded to the student first in order of merit, at the discretion of the Dean of the Faculty of Law. Value, \$100.

## **Faculty of Medicine**

### **George Allan Prize**

Established in 1952 by a gift of £500 from Mrs M. M. Allan to provide an annual prize in memory of her late husband, Dr George Allan, MD ChM *Aberd*.

Awarded annually on the recommendation of the head of the Department of Medicine for proficiency in therapeutics in the Medicine component of the final barrier examination. Value, \$200.

### **Royal Australian College of Ophthalmologists' Prize**

Founded in 1965 by The Ophthalmological Society of Australia (Australian Medical Association).

The prize is awarded annually on the recommendation of the head of the Department of Ophthalmology and Eye Health to a student in the Faculty of Medicine for proficiency in Ophthalmology. Value, \$100.

### **Peter Bancroft Prize**

Founded in 1923 by a bequest of £1000 from the late Louise Bancroft, of Brisbane, for an annual prize in memory of her husband, Peter Bancroft, MB.

The prize is awarded annually for the best piece of research work in any subject of the medical curriculum by a candidate for a degree in, or a graduate of, the

Faculty of Medicine of the University of Sydney as described in a thesis, publication or essay, provided that the candidate's work is of sufficient merit. In the case of a thesis for a degree this must have been submitted for the degree within the preceding calendar year. In the case of a publication this must have been published within the preceding calendar year. In the case of a specially written essay, the research which it describes must have been carried out substantially within the previous two calendar years.

The award is made by the Faculty of Medicine on the recommendation of a committee of the faculty. Value, \$1200.

#### **Dagmar Berne Prize**

Founded in 1915 by a gift from Mrs Berne, of Haberfield, as a memorial to her late daughter, Dagmar Berne, the first female graduate of the faculty.

Awarded annually on the recommendation of the Board of Examiners to a candidate who displays the greatest proficiency in the final barrier examination in the Faculty of Medicine. Value, \$70.

#### **P. O. Bishop Medal**

Established in 1979 by donations amounting to \$610 from the academic staff of the Department of Physiology in honour of Professor P. O. Bishop, MB BS DSc, FAA FRS, Professor of Physiology at the University from 1955 to 1967.

Awarded annually on the recommendation of the head of the Department of Physiology to a candidate for the degree of Bachelor of Science (Medical) in Physiology who demonstrates the greatest proficiency in an approved course of advanced study in the Department of Physiology provided that the candidate's work is of sufficient merit. The award may be shared or may be awarded *Prox. Acc.* and shall consist of a bronze medal. The medal shall bear the University Seal on the obverse and have engraved on the reverse the words 'P. O. Bishop Medal for BSc(Med) Students'.

#### **Wolfe Solomon Brown Prize**

Established in 1956 by a bequest from the estate of the late Mrs Alice Edith Harris. The prize is awarded under the following conditions:

- (1) The prize shall be known as the Wolfe Solomon Brown Prize.
- (2) The prize shall be awarded on the recommendation of the head of the Department of Anatomy, to the student prosector who makes the best contribution to the Wilson Museum of Anatomy during his or her tenure of the Prosectorship. In the event of two or more student prosectors being of equal merit, the prize may be shared.
- (3) The Academic Board may, on the recommendation of the Faculty of Medicine, amend, delete or add to these conditions from time to time. Value, \$250.

#### **Burroughs Wellcome Prize**

Awarded annually by Burroughs Wellcome and Company on the recommendation of the head of the Department of Pharmacology for proficiency in Pharmacology in the Faculty of Medicine. Value, \$100.

#### **G. S. Caird Scholarship No. I**

Founded in 1918 by a gift from Miss Elizabeth Richardson Caird for the foundation of a scholarship in memory of her father, the late George S. Caird.

Awarded annually on the recommendation of the

Dean of the Faculty of Medicine to a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery who has demonstrated proficiency in the barrier assessment at the end of the third year and who enrolls in the Faculty of Medicine in the year of the award, provided the candidate's work is of sufficient merit. Value \$750, tenable for one year.

#### **G. S. Caird Scholarship No. II**

Founded in 1923 by a bequest from Miss Elizabeth R. Caird for the purpose of establishing a scholarship in the Faculty of Medicine for male students only. It is a condition of the bequest that the scholarship shall, in the commemoration of her late father, be called the G. S. Caird Scholarship.

Awarded to a male student for proficiency in the subjects of the second barrier examination in Medicine. In the event of two or more students being of equal merit, the scholarship may be shared. Value, \$1000, tenable for one year.

#### **Dr H. G. Chapman Prize**

Founded in 1930 by a gift of £100 from the late Dr H. G. Chapman for a prize for original research in Physiology in continuation of similar prizes awarded by him during his tenure of the Chair of Physiology.

The prize is awarded annually on the recommendation of the heads of the Departments of Physiology and Biochemistry for an essay embodying the results of original research in Physiology or Biochemistry, providing that an entry of sufficient merit is received.

A student is eligible to submit an essay for the prize provided he is enrolled in the Faculty of Medicine and submits the essay within three years of having completed either second year in the Faculty of Medicine under the by-laws which came into force in 1974, or third year in the Faculty of Medicine under the by-laws which were in force prior to 1974. Value, \$150.

#### **James and Margaret Claffy Prize in Ophthalmology**

Founded in 1965 by a gift from an anonymous donor.

The prize is awarded annually on the recommendation of the head of the Department of Ophthalmology and Eye Health for proficiency in Ophthalmology. Value, \$300.

#### **Harry J. Clayton Memorial Prize**

Founded in 1929 by a gift of £1044 from relatives and friends of the late Harry John Clayton, MB ChM, for seven years Medical Superintendent of the Royal Prince Alfred Hospital and Tutor in Medicine from 1922 to 1928.

Awarded annually on the recommendation of the head of the Department of Medicine for proficiency in Medicine and Clinical Medicine at the final barrier examination. Value, \$750.

#### **Sidney B. Clipsham Memorial Prize in Operative Surgery**

Founded in 1913 by a gift of £100 from class members and lecturers as a memorial of Sidney Bowker Clipsham, who died in the fourth year of his medical course. The prize is awarded for the best account of research or observations resulting from some activity carried out in operative surgery during the clinical years.

Awarded annually on the recommendation of a committee consisting of a representative of each teaching hospital under the chairmanship of the Professor of Surgery. Value, \$160.

#### **Douglas Cohen Prize in Paediatric Surgery**

The prize was established in 1985 by the offer of an annual donation from the Board of Management of the Royal Alexandra Hospital for Children.

The prize may be awarded annually by the Dean of the Faculty of Medicine on the recommendation of the head of the Department of Paediatrics and Child Health at the Royal Alexandra Hospital for Children and the head of the Department of Surgery to the candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery who, during the year in which the Paediatrics assignment term is undertaken, writes the best essay or series of case reviews with comments on a paediatric surgical topic, provided that the candidate's work is of sufficient merit. Value, \$150.

#### **Jan Coppleson Memorial Prize for Cancer Medicine**

The prize was established in 1984 by the offer from Mrs Ann Yard of an annual donation in memory of Jan Coppleson.

The prize may be awarded annually on the recommendation of the Head of the Department of Cancer Medicine, to an undergraduate student in the Faculty of Medicine for proficiency in cancer medicine in the final barrier examination, provided that the student's work is of sufficient merit.

In the event that two or more students demonstrate equal proficiency, the prize may be shared. Value, \$500.

#### **Frank Cotton Memorial Prize**

Established in 1959 by a gift from subscribers to the Professor F. S. Cotton Memorial Fund.

Awarded annually for proficiency in Physiology in the Faculty of Medicine, on the recommendation of the Head of the Department of Physiology. Value, \$150.

#### **Robert Craig Prize in Surgery**

Founded in 1918 by a bequest of £200 from Captain Robert Craig.

The prize is awarded annually on the recommendation of the head of the Department of Surgery for the best account of research carried out or observations made during the unallocated term or the Option term, provided that the candidate's work is of sufficient merit. Value, \$230.

#### **Dame Constance D'Arcy Memorial Prize**

Established in 1952 by a gift from the Riviere College Old Girls' Union.

Awarded annually to a woman student for proficiency in Obstetrics and Gynaecology. Value, \$25.

#### **Dun Surgery Prize**

Established in 1974 as the result of a bequest from the late Mrs Daphne E. H. Dun and the late Dr Charles W. S. Dun.

The prize is awarded annually on the recommendation of the head of the Department of Surgery for proficiency in Surgery and Clinical Surgery determined on the Surgery section of the Clinical Science examination and the Assignment in Surgery. Value, \$100.

#### **Allan Douglas Gillies Memorial Prize**

Established in 1942 by a gift from the relatives of the late Dr A. D. Gillies.

Awarded on the recommendation of the head of the Department of Pathology to a student in the Faculty

of Medicine for proficiency in Pathology. Value, \$110.

#### **Harold Edward Goldsack Grant**

Established in 1982 by a bequest of \$4729.25 from the late Harold Edward Goldsack of Balmain.

Awarded by the Faculty of Medicine on the recommendation of the Medical Research Committee of the Faculty of Medicine to a candidate for the degree of Bachelor of Science (Medical) who has shown proficiency in the preclinical or paraclinical subjects for the degrees of Bachelor of Medicine and Bachelor of Surgery, provided the candidate's work is of sufficient merit.

Value, depending upon availability of funds, not more than \$400.

#### **A. T. Edwards Memorial Prize**

The prize was established in 1985 following a donation of \$1000 from the family of Dr Alfred Theophilus Edwards who graduated MB in 1922, was awarded the DPM in 1925 and taught for many years at Sydney Hospital.

The prize may be awarded annually by the Dean on the recommendation of the Head of the Department of Psychiatry to the candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery who produces the best research dissertation as a result of the Option term in Psychiatry, provided the candidate's work is of sufficient merit.

Value, \$90.

#### **Goode Memorial Scholarship**

Founded in 1972 by a bequest of \$377 from the late Barbara S. F. Matthews to establish the Goode Memorial Scholarship to assist a medical student in completing his course. The conditions applying to the scholarship are as follows:

- (1) The Goode Memorial Scholarship shall be used to provide short-term loans to male and/or female undergraduates in the Faculty of Medicine.
- (2) The maximum amount for an individual loan shall normally be \$50.
- (3) Subject to the discretion of the Secretary, loans shall be interest free.
- (4) Repayment periods of loans may vary, but shall usually be short.
- (5) The fund is to be administered by the Student Counselling Service in consultation with the Dean of the Faculty of Medicine, and the Secretary is to approve all loans.
- (6) These conditions may be varied from time to time as the Senate thinks fit.

#### **John Harris Scholarship**

Founded in 1887 by a gift from John Harris, then Mayor of Sydney.

Awarded by the Board of Examiners for proficiency in the subjects of the second barrier examination in Medicine. In the event of two or more students being deemed to be of equal merit, the scholarship may be shared. Value, \$500, tenable for one year.

#### **Hinder Memorial Prize**

Founded in 1918 by a gift of £240 from subscribers to a memorial of the late Henry Vincent Critchley Hinder, MB ChM, for twelve years Lecturer in Clinical Surgery.

The prize is awarded annually on the recommendation of the head of the Department of Surgery for proficiency in Surgery and Clinical Surgery deter-

mined on the Surgery section of the Clinical Science examination and the Assignment in Surgery. Value, \$300.

#### **Albert Hing Memorial Prize in Gynaecology**

Founded in 1965 by a gift from Dr Sydney Hing to provide an annual prize in memory of his late father, Mr Albert Hing.

Awarded annually for proficiency in Obstetrics and Gynaecology in the Faculty of Medicine on the recommendation of the head of the Department of Obstetrics and Gynaecology. Value, \$130.

#### **Inglis and Ward Prize in Pathology and Bacteriology**

Founded in 1953 by a gift from the section of Pathology, BMA (New South Wales Branch) in order to commemorate the work of Professor W. K. Inglis and Professor H. K. Ward who had recently retired from the Chairs of Pathology and Bacteriology, respectively.

Awarded for proficiency in the subjects Pathology and Bacteriology in the Faculty of Medicine on the recommendation of the heads of the Departments of Pathology and Bacteriology. Value, \$50.

#### **Alexander James Scholarship**

Established in 1981 by a bequest of \$2360 from the late Alexander James, MD *Moscow*, formerly a medical officer of the Imperial Russian Army and a well-known medical practitioner of Wollongong who was for many years interested in the treatment of asthma.

Awarded annually on the recommendation of the head of the Department of Community Medicine to assist a student enrolled in the Faculty of Medicine who has shown merit in community medicine, and who is undertaking further study in some aspect of community medicine during the elective or optional assignment terms.

Value, \$350.

#### **Harold and Neta May Johnson Bursary**

The bursary was established in 1985 by a bequest of \$2562.61 from Mrs N. M. Johnson. The terms of the bequest stipulate that the fund is to be used to assist students of the Protestant faith in the state of New South Wales showing aptitude and ability for the studies and practice of Medicine.

The bursary may be awarded annually on the recommendation of the Dean of the Faculty of Medicine to a student or students in the Faculty of Medicine meeting the above criteria and requiring financial assistance to meet student expenses.

Value, \$400.

#### **Mabel Elizabeth Leaver Memorial Prize in Obstetrics**

Established in 1955 by a gift from Dr H. Leaver to provide an annual prize in memory of his wife, Mabel Elizabeth Leaver.

Awarded to a student for proficiency in Obstetrics and Gynaecology in the Option term in the Faculty of Medicine, on the recommendation of the head of the Department of Obstetrics and Gynaecology. Value, \$230.

#### **A. M. Loewenthal Prize**

Two annual prizes of £5 5s. each were donated by A. M. Loewenthal up to 1940. In 1948 the sum of £1299s. 5d. was received from Mr Loewenthal and it was decided to use the income to continue one of the prizes.

The prize is now awarded to a prosector for proficiency in prosection, combined with his or her

results in Anatomy at the second barrier examination in Medicine. Value, \$90.

UNDERGRADUATE:  
MEDICINE

#### **Sir John Loewenthal Prize**

Established in 1981 by donations from the surgeons of the Royal Prince Alfred Hospital in memory of the late Professor Sir John Loewenthal CMG ED, MS *Melb.* MB BS, FRCS FRACS FACS, Hon.FACS, Hon.FRCSEd Hon.FCS(SA).

Awarded annually on the recommendation of the head of the Department of Surgery to a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery who is a student at the Royal Prince Alfred Hospital Clinical School for proficiency in Surgery and Clinical Surgery determined on the Surgery section of the Paraclinical and Clinical Science barrier assessment, provided that the candidate's work is of sufficient merit.

Value, \$150.

#### **S. H. Lovel Memorial Prizes**

The prizes were established in 1985 by the offer of an annual donation from the Council of the New South Wales Medical Defence Union.

Three prizes may be awarded annually by the Dean of the Faculty of Medicine acting on the advice of an ad hoc committee of the Faculty appointed by the Dean to candidates proceeding towards the degrees of Bachelor of Medicine and Bachelor of Surgery for the best essays which are based on material studied during the final year and which emphasise the medico-legal aspects of the subjects discussed, provided that the essays are of sufficient merit. To be considered for the prizes, essays must be received in the office of the Dean of the Faculty of Medicine no later than 31 January of the year following that in which the option term is undertaken.

Value, \$250 each prize.

#### **S. H. MacCulloch Trust**

Established in 1978 by the bequest of the residuary estate from the late Miss A. J. R. MacCulloch, to be invested by her trustees to create a fund known as the 'S. H. MacCulloch Trust', the income from which is to be applied for the maintenance, education and benefit of undergraduate students in the Faculty of Medicine as the trustees and the dean of the faculty deem advisable.

Up to \$750 will be made available either as a grant or as an interest-free loan to a needy student.

#### **Norton Manning Memorial Prize**

Founded in 1907 by a gift from the subscribers to a memorial for the late Dr F. Norton Manning.

The prize is awarded for proficiency in Psychiatry in the Faculty of Medicine, on the recommendation of the head of the Department of Psychiatry. Value, \$360.

#### **Arthur Edward Mills Graduation Prize**

Established in 1940 by a gift of £2800 from Mrs Helen Mills for a prize in memory of her husband.

The prize is awarded annually to the student in the Faculty of Medicine who obtains first place in the honours list at graduation. Value, \$200.

#### **Nestle Paediatric Prize**

The prize was established in 1963 by the offer of an annual donation of 50 guineas by Carnation Australia Pty Ltd. In 1985 the prize was taken over by Nestle (Australia) Limited.

The prize is awarded annually on the recommen-

dation of the Head of the Department of Paediatrics and Child Health to a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery for proficiency in one of the four paediatrics assignment terms conducted during each calendar year, provided that the candidate's work is of sufficient merit. The candidate may have to undertake a *viva voce* examination.

Value, \$105.

**New South Wales Health Commission Prize**

Established in 1955 by the Department of Public Health of New South Wales.

Awarded annually for proficiency in Community Medicine in the Faculty of Medicine, on the recommendation of the head of the Department of Community Medicine. Value, \$500.

**Paediatric Health Education Prize**

The prize was established in 1984 by funds from the bequest of Mr John Paskins of St. Marys who was for many years interested in child health and education.

The prize may be awarded annually, on the recommendation of the Head of the Department of Paediatrics and Child Health, to an undergraduate student in the Faculty of Medicine for an essay in the field of paediatric health education, provided that the student's work is of sufficient merit.

In the event that the work of two or more students is deemed to be of equal merit, the prize may be shared. Value, \$100.

**Parkinson Memorial Prize**

Founded in 1910 by a gift from subscribers to a memorial of Thomas Carlyle Parkinson, MB ChM, who died at the Lister Institute from plague pneumonia while engaged in research upon bubonic plague.

The prize is awarded annually for proficiency in Pathology in the Faculty of Medicine, on the recommendation of the head of the Department of Pathology. Value, \$500.

**K. C. T. Rawle 104 ACCS Association Prize**

Established in 1981 by a donation from the members of the Association of the 104th Australian Casualty Clearing Station in memory of the late Kenneth Charles Trineman Rawle, OBE ED, MB ChM, FRCS FRACS FRACGP.

Awarded annually on the recommendation of the head of the Department of Surgery to a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery for proficiency in Surgery and Clinical Surgery determined on the Surgery section of the Paraclinical and Clinical Science barrier assessment, provided that the candidate's work is of sufficient merit.

Value, \$75.

**Renwick Scholarship**

Founded in 1877 by a gift from the Honourable Sir Arthur Renwick, BA MD.

Awarded in the Faculty of Medicine on the recommendation of the Boards of Examiners for proficiency in the first and second barrier examinations. Two scholarships, each valued at \$750 and tenable for one year.

**A. J. Reynolds Prize**

Established in 1944 by a gift of £100 from A. J. Reynolds.

Awarded annually to the undergraduate or graduate in Medicine who submits the best essay dealing

with research into causes, prevention or cure of the disease of spondylitis in human beings. Value, \$150.

**Harold John Ritchie Memorial Prize**

Established in 1955 by a gift of £1250 from Mrs E. L. Atkinson to provide an annual prize in memory of her brother, Dr H. J. Ritchie.

Awarded annually on the recommendation of the head of the Department of Medicine for proficiency in Clinical Medicine in the Medicine component of the final barrier examination. Value, \$500.

**Royal Australian College of General Practitioners Prize**

The prize was established in 1985 by an offer from the N.S.W. Faculty of the Royal Australian College of General Practitioners.

The prize may be awarded annually on the recommendation of the Head of the Department of Community Medicine to a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery for proficiency in the General Practice component of the course in Community Medicine, provided the candidate's work is of sufficient merit. The award shall be in the form of a medal.

**William Henry and Eliza Alice Sharp Prize**

Established in 1938 under a bequest of £150 from Dr W. A. Ramsay Sharp (for many years tutor in surgery at Sydney Hospital) for the award of an annual prize in the Faculty of Medicine in memory of his father and mother.

The prize is awarded annually, on the recommendation of the head of the Department of Surgery for proficiency in Surgery and Clinical Surgery determined on the Surgery section of the Clinical Science examination and the Assignment in Surgery. Value, \$75.

**J. L. Shellshear Memorial Prize**

Founded in 1959 by a gift from Professor N. W. G. Macintosh and Dr G. Bell to establish an annual prize for a student in the Faculty of Medicine for proficiency in practical Anatomy.

The prize is to be known as the J. L. Shellshear Memorial Prize in Anatomy and is to be awarded on the recommendation of the head of the Department of Anatomy. Value, \$50.

**Robert Scot Skirving Memorial Prize**

Established in 1975 by a gift from the New South Wales Branch of the British Medical Association to commemorate the services rendered to the medical profession in New South Wales by the late Dr Robert Scot Skirving.

Awarded annually on the recommendation of the heads of the Departments of Medicine and Surgery for proficiency in Medicine and Surgery at the final barrier examination. Value, \$150.

**Grafton Elliot Smith Memorial Prize**

Founded in 1949 by a bequest from the late Miss Lily Elliot Smith.

The prize is awarded annually for proficiency in Anatomy in the Faculty of Medicine on the recommendation of the head of the Department of Anatomy. Value, \$270.

**Beverly Stewart Memorial Prize**

Established in 1952 by a bequest from Dr Neville Stewart as a memorial to his daughter who was an undergraduate in the Faculty of Medicine.

Awarded annually to a female student for proficiency in the subjects assessed at the first barrier examination in the undergraduate medical course. Value, \$100.

#### **David Sugerman Prizes in Pathology**

Established in 1982 by a donation from David Alexander Sugerman, DCP Lond. BSc(Med) MB BS, FRCPA FRCPATH FCAP, for two annual prizes. Dr Sugerman was one of the first candidates for the degree of Bachelor of Science (Medical), graduating with the degree in 1950.

##### *David Sugerman Prize in Pathology No 1*

Awarded annually on the recommendation of the head of the Department of Pathology to the most proficient student in Pathology in Third Year Medicine who is a candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery, provided that the candidate's work is of sufficient merit. Value, \$1000.

##### *David Sugerman Prize in Pathology No 2*

Awarded annually on the recommendation of the Dean of the Faculty of Medicine and the head of the Department of Pathology to the most proficient student who is a candidate for the degree of Bachelor of Science (Medical) in the Department of Pathology, provided the candidate's work is of sufficient merit. Value, \$1000.

#### **Cedric Swanton Memorial Prize**

Established in 1974 by the offer of an annual prize in Psychiatry by the Australian and New Zealand College of Psychiatrists in memory of the late Cedric Swanton.

Awarded annually on the recommendation of the head of the Department of Psychiatry to an undergraduate student in the Faculty of Medicine for proficiency in Psychiatry. Value, \$50.

#### **McMahon Tennent Prize**

Founded in 1952 by a bequest from the estate of the late Marion Margaret Hamilton McMahon Tennent for a prize in the Faculty of Medicine.

Awarded annually to a student for proficiency in the subject of Biochemistry in the Faculty of Medicine on the recommendation of the Head of the Department of Biochemistry. Value, \$140.

#### **Robert H. Todd Memorial Prize**

Established in 1936 by a gift from the British Medical Association (New South Wales Branch).

The prize is awarded annually for a report on an attachment undertaken in general practice by a student in the Faculty of Medicine during the Assignment in Community Medicine, provided that the candidate's work is of sufficient merit. Value, \$300.

#### **Upjohn Prize in Clinical Pharmacology and Therapeutics**

Established in 1969 by the offer of an annual gift from Upjohn Pty Ltd.

The prize may be awarded annually on the recommendation of the Professor of Clinical Pharmacology and the Dean of the Faculty of Medicine to the candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery who has demonstrated greatest proficiency in clinical pharmacology and therapeutics in the assessment at the end of term 4.1. In the event of two or more students being deemed to have demonstrated equal proficiency, the prize may be shared. Value, \$175.

#### **John Wait Scholarship**

Founded in 1944 by a bequest from the late Jane Howard of Glebe. Funds permit the award of two scholarships.

Each scholarship may be awarded to an undergraduate who, in the opinion of the Faculty of Medicine has shown special aptitude in the pre-clinical subjects and who wishes to proceed to an honours degree in Science or to the Bachelor of Science (Medical) degree. Two scholarships, each valued at \$600 and tenable for one year.

#### **Harold Alfred Waldron Memorial Prize**

Founded in 1938 by a gift from Mrs H. Markham and Mr F. D'Arcy Williams, in memory of the late Harold Alfred Waldron.

This prize is awarded annually, on the recommendation of the Professor of Bacteriology to a student in the Faculty of Medicine for proficiency in Bacteriology. Value, \$110.

#### **Herbert John Wilkinson Memorial Prize**

Established in 1963 by a bequest from Herbert John Wilkinson.

Awarded on the recommendation of the head of the Department of Anatomy for proficiency in Anatomy in the Faculty of Medicine. In the event of two or more students being deemed to be of equal merit, the prize may be shared. Value, \$850.

#### **J. T. Wilson Memorial Prize**

Established in 1949 by a gift from the trustees of the J. T. Wilson Memorial Fund.

Awarded on the recommendation of the head of the Department of Anatomy for proficiency in Theoretical Anatomy in the Faculty of Medicine. Value, \$90.

#### **Michael Robert William Young Prize in Medical History**

Established in 1966 by a gift of the fourth year of the Faculty of Medicine to perpetuate the name of Michael Robert William Young, a medical student, who died in 1966.

Awarded annually to an undergraduate student in the Faculty of Medicine for an essay on a specified topic on the History of Medicine provided the essay is of sufficient merit. Value, \$20.

## **Faculty of Science**

### **1. BACHELOR OF SCIENCE**

#### **David J. Monk Adams Award**

The award was established in 1973 by a bequest of \$2000 from Margaret Hypatia Adams as a memorial to her son David J. Monk Adams, a former lecturer at the University of Sydney. David Monk Adams graduated Bachelor of Science with the University Medal in Physiology in 1942, Bachelor of Medicine and Bachelor of Surgery in 1945 and Master of Science in 1947, all in the University of Sydney. His thesis for the degree of Doctor of Philosophy was submitted to the University of Toronto shortly before his death in 1953.

The award may be made annually on the recommendation of the Head of the Department of Physiology to a student who is enrolled for a fourth year honours course in Physiology in the Faculty of Science who requires financial assistance in order to attend a conference, seminar or other meeting within Australia and who has, to the satisfaction of the Head, demonstrated academic merit.

Value, up to a maximum of \$350 subject to the approval of the Finance Committee. More than one award may be made each year.

#### **Walter Burfitt Scholarships**

Founded in 1925 by a gift of £1000 from Dr W. F. Burfitt, a graduate of the University, for the advancement of the study of Science.

##### *Walter Burfitt Scholarship No. I*

The scholar shall be required to pursue the study of Chemistry in the fourth year honours course.

The scholarship is awarded annually, on the recommendation of the head of the School of Chemistry, for proficiency in the third year examinations in Chemistry in the Faculty of Science. Value, \$750.

##### *Walter Burfitt Scholarship No. II*

The scholar shall be required to pursue the study of Physics in the fourth year honours course.

The scholarship is awarded annually, on the recommendation of the head of the School of Physics, for proficiency in the third year examinations in Physics in the Faculty of Science. Value, \$750.

#### **George Herbert Clarke Prize**

Established in 1979 by the bequest of \$800 from the late Mrs Z. J. Clarke.

Awarded annually on the recommendation of the head of the School of Biological Sciences for merit in Plant Morphology to a student born in Australia who is a candidate for the degree of Bachelor of Science and who completes the course Biology I/II, provided that the candidate's work is of sufficient merit. Value, \$100.

#### **John Coutts Scholarship**

The Coutts Scholarships were established in 1905, by a gift of £2700 from Mrs Jane Coutts, widow of the late John Coutts. The deed gift provides for the establishment of two scholarships, to be called respectively the James Coutts Scholarship and the John Coutts Scholarship, in memory of the donor's deceased sons who were graduates of the University.

The John Coutts Scholarship is awarded on the recommendation of the Faculty of Science to the leading student in a fourth year honours course in the Faculty of Science who enrolls as a postgraduate student at the University in the following year. The award may be shared and is renewable for a second and third year, subject to satisfactory progress.

Value, \$4000.

#### **Janet Elspeth Crawford Prize in Chemistry**

For conditions of award see under *Any faculty in Undergraduate scholarships and prizes*.

#### **Dr G. A. M. Heydon Prize**

Established in 1972 by a gift of \$500 from Miss K. J. Laurence in memory of her cousin, Mr G. A. M. Heydon, MC, BA DTM & H Camb. MB ChM DPH, FRACP, who graduated Bachelor of Medicine from the University in 1908 and died on 27 April 1963.

Dr Heydon's research work in Parasitology produced important contributions, notably on malaria and he held the positions of Parasitologist to the School of Public Health and Tropical Medicine and Lecturer in Parasitology in the University between 1930 and 1946. His many generous donations included \$70 000 to the University for the establishment of the Charles Gilbert Heydon Travelling Fellowship in Biological Sciences, as a memorial to his father.

Awarded annually by the Dean of the Faculty of

Science, on the recommendation of the Chief Instructor for the course History and Philosophy of Science, in consultation with the Convenor of the Faculty Committee established to supervise the course, to the student in the Faculty of Science who shows the greatest proficiency in the course History and Philosophy of Science, if of sufficient merit. Value, \$60.

#### **Prize in Marine Sciences**

Established in 1980 by a donation of \$360 from the South-Coast Amateur Fishing Club Association.

Awarded annually to the most proficient student in the course Marine Sciences provided the student's work is of sufficient merit. Value, \$30.

#### **William Joseph Collett Shoppee Prize**

Founded in 1956 by a gift of £100 from Miss Dorothy M. Shoppee. The capital fund was augmented by a further donation of £100 in 1962.

Awarded annually for proficiency in the subject Pharmaceutical Chemistry on the recommendation of the Professor of Pharmaceutical Chemistry. The prize is awarded in the fourth year honours course except where the Professor of Pharmaceutical Chemistry considers that no candidate is worthy when it may be awarded to a student completing the course Pharmaceutical Chemistry II. Value, \$90.

#### **Slade Prizes**

Founded in 1886 by a gift of £250 from G. P. Slade, Esq., for the encouragement of Science.

Six prizes are awarded for proficiency in Chemistry II Practical, Physics II, Geology II Practical, Geography I Practical, Biochemistry I, Biology I Practical. Value, \$100 each.

#### **Sydney Chinese Association Prize**

For conditions of award see under *Microbiology* in this section.

## **2. BACHELOR OF PHARMACY**

#### **Pharmaceutical Society of New South Wales, Prizes**

Three prizes donated annually by the Pharmaceutical Society of New South Wales, one each for proficiency in the Junior, Intermediate and Senior courses in the Bachelor of Pharmacy courses. Each prize consists of suitable reference books to an approximate value of \$70.

#### **Walter Noel Gillies Scholarship in Pharmacy**

Awarded annually on the recommendation of the Head of the Department of Pharmacy to the candidate for the degree of Bachelor of Pharmacy who demonstrates the greatest proficiency in first year and who enrolls in second year, provided the candidate's work is of sufficient merit.

Value, \$1000 per annum.

## **Board of Studies in Social Work**

#### **Frances Mary Gillespie Prize in Medical Social Work<sup>1</sup>**

Established in 1964 by a gift of £150 from the Medical Social Work Group of the Australasian Association of Social Workers, New South Wales Group, to perpetuate the name of the Gillespie family in recognition of the support they gave in the establishment and development of medical social work in New South Wales.

<sup>1</sup> Conditions under review.



The prize may be awarded annually on the recommendation of the Head of the Department of Social Work to the candidate for the degree of Bachelor of Social Work who demonstrates greatest proficiency in Social Work Practice II and who has completed a medical fieldwork placement, provided that the candidate's work is of sufficient merit. The recommendation for an award shall take into account level of performance in the fieldwork placement. Value, \$60.

#### **Laura Bogue Luffman Memorial Prize**

Established in 1955 by money subscribed for a memorial to Mrs Laura Bogue Luffman, who for many years worked for improving the status of women.

Awarded annually on the recommendation of the Head of the Department of Social Work to the student who obtains the best results in the course Social Work Practice I, provided the student's work is of sufficient merit. Value, \$85.

#### **Board of Social Study and Training Bursary**

Established in 1941 by a gift of £66 15s 3d from the Board of Social Study and Training. The money was to be held in trust for students undertaking a course in social studies at the University, and who required financial assistance.

The bursary may be awarded on the recommendation of the Head of the Department of Social Work to a candidate for the degree of Bachelor of Social Work who requires financial assistance to meet student expenses and who has, to the satisfaction of the Head of Department, demonstrated academic merit in secondary or tertiary education.

Value, \$75.

### **Faculty of Veterinary Science**

#### **Australian Equine Veterinary Association Prize**

Established in 1982 by the offer of an annual donation by the Australian Equine Veterinary Association.

Awarded on the recommendation of the Dean of the Faculty of Veterinary Science to the candidate in the fifth year of the Bachelor of Veterinary Science degree course who demonstrates the greatest proficiency in written and practical work in equine medicine, surgery and reproduction, provided that the student's work is of sufficient merit. Value \$100, either in books or in cash, and a certificate provided by the Australian Equine Veterinary Association.

#### **Australian Veterinary Association Auxiliary (N.S.W. Division) Prize**

Established in 1983 following a proposal by the Auxiliary to the Australian Veterinary Association — N.S.W. Division that the money previously held in the Australian Women's Veterinary Auxiliary Loan Fund be used to support an undergraduate prize. The funds amounted to approximately \$1000. The Auxiliary requested that the prize be awarded annually to a student who had passed second year at the annual examinations and obtained the highest aggregate marks in Biochemistry I and II and Veterinary Physiology I. Students who had repeated either first or second year were to be ineligible.

Awarded annually on the recommendation of the Dean of the Faculty of Veterinary Science to the candidate for the degree of Bachelor of Veterinary Science who has achieved the highest aggregate examination mark in the subjects Biochemistry I, Biochemistry II

and Veterinary Physiology I, provided that the candidate's work is of sufficient merit.

Value, \$80.

#### **Australian Veterinary Association Prize for Undergraduates**

Established in 1955, this prize is awarded annually by the Australian Veterinary Association, on the recommendation of the Dean of the Faculty of Veterinary Science, to the outstanding student, if of sufficient merit, in Veterinary Pathology.

The prize shall be a suitable book selected by the prizewinner and approved by the President of the Australian Veterinary Association.

#### **Australian Women's Veterinary Auxiliary (N.S.W. Division) Prize**

Established in 1968 this prize is awarded annually by the Australian Women's Veterinary Auxiliary (N.S.W. Division) to the student obtaining the highest marks in the course Veterinary Clinical Pathology in fourth year, provided the student's work is of sufficient merit. Value: Voucher drawn on Ramsay Surgical Pty Ltd to the value of \$30.

#### **Australian Women's Veterinary Auxiliary (N.S.W. Division) Prize for Third Year Students**

Established in 1972, this prize is presented by the Australian Women's Veterinary Auxiliary (N.S.W. Division) to the student who has shown the greatest improvement in third year, having passed second year at the annual examinations with an average mark of not more than 60 per cent. Students who have repeated second or third year are ineligible for this prize. Value, \$50, for the purchase of books.

#### **Baker and Ridley Memorial Prize**

Founded in 1924 by a gift of £100 (with accumulations) from the Veterinary Association of New South Wales to establish a prize in memory of Captains Horace Morgan Baker and William John Ridley, members of the Association and graduates in Veterinary Science of the University who were killed on active service.

The conditions of award are as follows:

- (1) That a prize of \$150 shall be awarded annually. Any accumulations are to be added to the capital sum with a view to providing a scholarship in the future.
- (2) The prize shall be awarded to the student in the Faculty of Veterinary Science showing the greatest proficiency in Animal Husbandry, including breeds and breeding, stable management, horse-shoeing, hygiene and dietetics, special attention to be given to knowledge of the application of the principles of Animal Husbandry under Australian conditions.
- (3) The prize shall be awarded by the Faculty at the conclusion of the professional examination at the end of the fourth year on the recommendation of the lecturer and co-examiner in each of the subjects included.
- (4) In the event of no candidate reaching the desired standard of efficiency in any year, the prize shall not be awarded for that year.

#### **Harrie Barrett Bursary**

For conditions of award see under *Bursaries* in this section, above.

**H. G. Belschner Prize for Proficiency in Sheep and Wool**

Established in 1959 by a gift of £200 from H. G. Belschner, DVSc.

Awarded annually to the first year student in the Faculty of Veterinary Science showing the greatest proficiency in Sheep and Wool. Value, \$100.

**Bloodhorse Breeders' Association of Australia (New South Wales Division) Prize**

Established in 1963, this prize is awarded annually by the Bloodhorse Breeders' Association of Australia (New South Wales Division) to the fifth year student showing the greatest proficiency in those parts of the curriculum dealing with the handling and management and medical and surgical diseases of the horse.

The prize is awarded by the Faculty at the conclusion of the professional examination at the end of the fifth year on the recommendation of the lecturers and examiners in the subjects of Animal Husbandry, Veterinary Medicine and Veterinary Surgery.

In awarding the prize the relevant portions of the curriculum are weighted so that proficiency in Animal Husbandry I, Veterinary Medicine, Veterinary Surgery, and the fifth year practical examination each count 25 per cent of the total. Value, \$100.

**Carnation Prize in Animal Nutrition**

Established in 1959 by the offer of an annual donation of £10 10s. from K9 Distributors Pty Ltd. The donors, now known as Carnation Company Pty Ltd, in 1974 increased the value of the prize to \$25.

Awarded on the results of the second year annual examinations in the Faculty of Veterinary Science to the student showing the greatest proficiency in the Principles of Nutrition. Value, \$25.

**Commonwealth Bureau of Animal Health Prize**

Established in 1962 by an offer from the Commonwealth Bureau of Animal Health to donate an annual book prize.

Awarded to the student from the Faculty of Veterinary Science who shows the greatest proficiency in Veterinary Surgery at the fourth year examinations. Value, \$40.

**Cooper Australia Ltd Prize**

Founded in 1912 by a gift of £100 from Messrs William Cooper and Nephews, for the foundation of a prize in Veterinary Science.

It is awarded to a student of the fourth year in Veterinary Parasitology. Value, \$225.

**Coopers Prize in Cattle Medicine**

The prize was established in 1985 following an offer from Coopers Animal Health Australia Limited to provide a prize in the area of cattle medicine.

The prize may be awarded annually on the recommendation of the Dean to the student graduating Bachelor of Veterinary Science who demonstrates the greatest proficiency in the final year in the area of Cattle Medicine, provided that the student's work is of sufficient merit.

Value, \$100 and a medallion.

**Country Life Newspapers Prize in Veterinary Anatomy**

Founded in 1967 by an offer from Country Life Newspaper Co. Ltd to donate \$20 per annum.

Awarded annually to the student most proficient in Veterinary Anatomy at the second year examination, provided that he be of sufficient merit. Value, \$20.

**Farr Memorial Fund**

Established in 1941 by a gift of £50 from Miss Kathleen Farr for a prize in memory of her parents.

The prize is awarded to the First Year Veterinary Science student who shows the greatest proficiency in the written examination in Animal Husbandry concerned with horses, provided the student's work is of sufficient merit. Value, \$30.

**N. P. H. Graham Prize in Sheep Medicine**

The prize was established in 1983 by donations from the family, friends and colleagues of Norman Piesse Hunter Graham to acknowledge his many contributions to the Australian sheep industry. Mr Graham graduated in 1929 in the University of Sydney and devoted his professional life, mostly as an officer of the CSIRO, to the investigation of problems in the sheep industry.

The prize may be awarded annually, on the recommendation of the Professor in the Faculty of Veterinary Science with academic responsibility for veterinary medicine, to the candidate for the degree of Bachelor of Veterinary Science who demonstrates greatest proficiency in the sheep medicine component of the course Veterinary Medicine II, provided the candidate's work is of sufficient merit. Value, \$200.

**John Gurner and Frederick Ebsworth Scholarship**

Founded in 1934 by a bequest of £1000 from the late Rebecca Ann Ebsworth for the establishment of a scholarship to be called the John Gurner and Frederick Ebsworth Scholarship, in memory of her late father and husband.

Until 1974, one scholarship, valued at \$60 was awarded in the Faculty of Veterinary Science at the first year examination for proficiency in Chemistry, Physics and Biology.

In 1974, it became possible to offer three scholarships, one to be awarded for proficiency in Chemistry, one for proficiency in Physics and one for proficiency in Biology at the first year examination in the Faculty of Veterinary Science. Value, \$350 each.

The scholarships are tenable for one year and the scholars are required to continue their studies with a view to graduation in Veterinary Science.

**Dr Don Lamond Memorial Fund**

Established in 1979 by a donation of \$6125 from his widow in memory of the late D. R. Lamond, DVSc, the income from the Fund will provide bursaries for the maintenance, education and benefit of undergraduate students in the Faculty of Veterinary Science.

**Lonsdale Prizes for Clinical Studies**

Established in 1977 by a bequest of \$5000 from the estate of the late Lionel Lonsdale.

The prizes to be awarded annually to two students showing the greatest proficiency in Clinical Studies at the end of fourth year provided they are of sufficient merit, on the recommendation of the head of the department. Value, \$400 and \$200 respectively.

**William James McHugh Prize**

Established in 1981 by a donation of \$2000 from J. Bruyn, a recent graduate in the Faculty of Veterinary Science.

Awarded annually on the recommendation of the Faculty's Essay Committee to the Fourth or Fifth Year undergraduate student in Veterinary Science who prepares the best case report in equine medicine or surgery, provided the entry is of sufficient merit. Value, \$150.

### **Martin McIlraith Scholarships**

Scholarships are tenable in each year in the Faculty of Veterinary Science and in the Faculty of Agriculture.

For conditions of award see under *Agriculture*, above.

### **Jack Moran Prize in Meat Inspection**

A prize of \$20 given by Mrs Amy C.M. Moran for the best student in the Faculty of Veterinary Science in the field of Meat Inspection within the course of Veterinary Public Health.

The prize is to be awarded on the recommendation of the Professor of Veterinary Pathology.

### **H. C. Moulder Prize for Veterinary Microbiology**

Established in 1959 by an offer from the Council of Advice to the Pastures Protection Boards of New South Wales of an annual donation of an amount of between \$50 and \$60 to commemorate the work of the Hon. Henry Clements Moulder, of Condobolin.

Awarded annually to a student in the third year of the course in the Faculty of Veterinary Science for proficiency in Veterinary Microbiology.

### **Virginia Osborne Prize for Anatomy of the Horse**

Established in 1982 by a gift to the University of \$1300 from Miss V. E. Osborne, who had been a member of the teaching staff of the University since 1947 and Associate Professor in Veterinary Anatomy from 1980 to 1982. The gift was augmented by a further donation of \$1300 from a fund to which many of her former students and professional associates had contributed to commemorate her long association with the teaching of anatomy, and particularly that of the horse.

Awarded annually on the recommendation of the head of the Department of Veterinary Anatomy to the candidate in the second year of the Bachelor of Veterinary Science degree course who shows the greatest proficiency in studies of the anatomy of the horse, provided that the student's work is of sufficient merit. Value, \$250.

### **W. R. Sidman Memorial Prize awarded by the N.S.W. Division of the Australian Veterinary Association**

Established in 1971 by an offer from the N.S.W. Division of the Australian Veterinary Association to donate an annual prize known as the prize awarded by the N.S.W. Division of the Australian Veterinary Association. In 1972, the title of the prize was amended to read the W. R. Sidman Memorial Prize awarded by the N.S.W. Division of the Australian Veterinary Association.

Awarded to the student, provided he is of sufficient merit, who shows the greatest proficiency in clinical studies in Veterinary Science IV, based on the recommendations of the Heads of the Departments of Veterinary Medicine and Veterinary Surgery and the Superintendent of the Sydney Clinic.

The award will take the form of expenses for attendance at the following Annual General Meeting and Conference of the Federal Body of the Australian Veterinary Association.

In the event of the student being prevented from attending the meeting and conference, the N.S.W. Division of the Australian Veterinary Association may, on the advice of the President, after consultation with the Dean of the Faculty of Veterinary Science, offer a cash prize for the purchase of books. Approximate annual value, \$100.

### **Beri Sinkovic Poultry Medicine Prize**

The prize was established in 1985 following an offer by

the Australian Veterinary Poultry Association to support a prize to honour the work of Associate Professor Beri Sinkovic who retired from the Department of Veterinary Clinical Studies in 1985.

The prize may be awarded annually on the recommendation of the Dean to the fifth year student in the Faculty of Veterinary Science who gains the highest mark in the subject area of Poultry Medicine, provided that the student's work is of sufficient merit. Value, \$200.

### **Stewart Prize in Veterinary Medicine**

Established in 1960 by a bequest of £500 from the late Emeritus Professor J. D. Stewart.

Awarded, on the recommendation of the Head of the Department of Veterinary Clinical Studies to the student showing the greatest proficiency in Veterinary Medicine at the fourth year examination. Value, \$180.

### **J. D. Stewart Essay Prize**

Established in 1939 by a gift of £100 from Professor J. D. Stewart.

Awarded annually to the final year student in Veterinary Science who submits the best essay on a subject included in the curriculum. Value, \$60.

### **S. T. D. Symons Prize**

Founded in 1934 by a bequest of £600 from the late Sydney Thomas Doidge Symons, MRCVS, Chief Inspector of Stock in New South Wales from 1909 to 1923, to establish an annual prize for the best clinical student at the Veterinary School in the University of Sydney.

The conditions of award are:

(1) The present value of the prize shall be not more than \$600, and any accumulation shall be added to the capital sum with a view to increasing the value of the prize in future.

(2) The prize shall be awarded on the recommendation of the Dean of the Faculty of Veterinary Science, after consulting the lecturers, to the most proficient student in clinical subjects in the Final Year who satisfactorily completes the full courses prescribed in the curriculum and is eligible for admission to the degree of Bachelor of Veterinary Science.

(3) In the event of no student reaching the desired standard of proficiency in any year, the prize shall not be awarded for that year.

### **Uncle Ben's of Australia Pty Ltd Prize**

Established in 1969 by an offer from Uncle Ben's of Australia Pty Ltd, to donate an annual prize.

Awarded to the fourth year student who shows the greatest proficiency in small animal medicine, provided he is of sufficient merit. Value, \$50.

## **(2) BY DEPARTMENT**

### **Anthropology**

#### **Frank Albert Prizes**

In 1927 Frank Albert of Sydney donated £100 to the University of Sydney in order to establish two prizes to recognise proficiency in first and second year Anthropology.

The two prizes may be awarded annually on the recommendation of the Head of the Department of Anthropology, to the two students showing greatest proficiency in courses offered by the Department of Anthropology, one prize to be awarded on the results of the annual examinations in the first year Anthro-

pology courses, and the other on the annual examination results in second year Anthropology courses, provided that the students' work is of sufficient merit. Value, \$60 each.

#### **Frank Bell Memorial Prize**

Established in 1967 by an offer from the Anthropological Society of New South Wales of an annual donation of \$50.

Awarded annually to the most outstanding Anthropology student of the year, if of sufficient merit, on the recommendation of the head of the Department of Anthropology.

#### **Marion Lucy Whitford Dallison Prize in Anthropology**

Established in 1980 by the donation of \$500 from Miss Kathleen Barnes in memory of Miss Marion Lucy Whitford Dallison, who graduated MA from this University in 1937.

Awarded every second year on the recommendation of the head of the Department of Anthropology to the undergraduate or postgraduate student enrolled in Anthropology at the University who writes the best essay within the area of Social Anthropology, Prehistory or Anthropological Linguistics. Value, \$130.

#### **Richard B. Davis Prize**

Established in 1982 by an endowment of \$1000 by the Trustees of the Richard B. Davis Memorial Fund in memory of Dr Richard B. Davis who completed his PhD Degree at the University of Sydney in 1974 and died in 1981.

Awarded annually on the recommendation of the head of the Department of Anthropology for the best thesis submitted by a candidate for the fourth year of a Bachelor of Arts degree on an Asian topic in the Department of Anthropology, provided the candidate's work is of sufficient merit. Value, \$100.

### **Archaeology**

#### **Thomas James Dunbabin Memorial Prize**

The prize was established in 1985 by a donation of \$1000 from NCR Australia Pty Ltd on the occasion of the First Australian Congress of Classical Archaeology and to commemorate the work of Thomas James Dunbabin, Reader in Classical Archaeology and Fellow of All Souls College University of Oxford, on Greek colonisation in Italy. Thomas James Dunbabin was a student at the University of Sydney in 1928 and 1929 before proceeding to Corpus Christi College, Oxford.

The prize may be awarded annually on the recommendation of the Head of the Department of Archaeology to the student who shows greatest proficiency in Roman Arts and Archaeology in the course Archaeology III, provided that the student's work is of sufficient merit.

Value, \$100.

#### **Dani Petocz Memorial Prize**

The prize was established in 1984 by endowment by the family and friends of Mr Dani Petocz, a graduate student in the Department of Archaeology at the time of his death in 1984.

The prize may be awarded annually on the recommendation of the Edwin Cuthbert Hall Professor of Near Eastern Archaeology in consultation with lecturers in Near Eastern Archaeology to the fourth year honours student in Archaeology who writes the best

essay on a Near Eastern Archaeological topic, provided that the student's work is of sufficient merit.

Value, \$450.

#### **J. R. B. Stewart Prize**

Founded in 1971 by a gift of \$300.72 from the widow, colleagues and friends of the late Professor J. R. B. Stewart to establish a prize in his memory.

The prize is awarded annually to the best student in the Near Eastern section of the second or third year courses in Archaeology. Value, \$25.

### **Astronomy**

#### **Henry Chamberlain Russell Prize**

Founded in 1912 by a gift of £200 from Mrs H. C. Russell for the foundation of an annual prize for Astronomy, in memory of her late husband, H. C. Russell, CMG, BA, FRS, formerly Government Astronomer of New South Wales and a Fellow of the Senate.

Awarded for an essay, a thesis or research report on an Astronomical subject written by a student enrolled for a degree within the University. If in the judgment of the head of the department in which the student is enrolled the essay merits consideration for an award, then the head of the department will forward the essay to the Dean of the Faculty of Science to reach him before the first day of Lent Term each year. The Dean shall nominate a committee of three appropriate members of staff who shall examine the essay submitted and make such recommendation for the award and value of the prize as they see fit. The prize shall be of the value in the range of \$100 to \$750.

### **Biochemistry**

#### **Roslyn Flora Goulston Prize**

Established in 1946 by a gift of \$500 from Mrs Daphne Luber in memory of her sister, Roslyn Flora Goulston. A further \$250 was received in 1947.

Awarded for distinction in Biochemistry II to an undergraduate in Science who intends proceeding to a BSc degree with honours in that subject. Value, \$530.

### **Biology**

#### **Collie Prize**

Founded in 1892 by a bequest from the Reverend Robert Collie, FLS, of Newtown to foster interest in Botany.

Awarded to the student obtaining the highest aggregate mark in the annual examination for Biology I. Value, \$160.

#### **Dental Alumni Society Prize III**

For conditions of award see under *Dentistry* in this section.

#### **John H. Elliott Memorial Prize**

Established in 1980 in memory of the late John H. Elliott, Deputy Registrar (Staffing), who died suddenly in October 1978.

Awarded annually to the honours student in the School of Biological Sciences who submits the best thesis on any aspect of animal biology, provided that the student's thesis is of sufficient merit. Value, \$150.

#### **Haswell Prize**

Founded in 1927 by a gift of £104 from subscribers to a fund for the foundation of prizes in Zoology, in memory of the late Professor William A. Haswell,

MA DSc, FRS, Professor of Zoology from 1890 to 1917.

Awarded annually for proficiency in Biology III on the recommendation of the head of the School of Biological Sciences. Value, \$120.

## Botany

### G. S. Caird Scholarship

Awarded to a third year student in Botany who intends to proceed to the fourth year honours course, and who, in the opinion of the Professor, has shown unusual merit in the third year work.

In the event of there being no suitable student proceeding to fourth year, the scholarship may be awarded to the best second year student proceeding to the third year course in Botany, who, in the opinion of the professor, has shown unusual merit in second year work. Value, \$500, tenable for one year.

### E. N. (Ted) O'Reilly Memorial Prize

Established in 1944 by a gift of £200 from the Sydney University Biological Society in memory of the late E. N. (Ted) O'Reilly. In 1954 the fund was augmented by the gift of £50 from the parents of E. N. O'Reilly.

Awarded annually to the student completing Botany III in the Faculty of Science (including Forestry) who has most distinguished himself in Plant Physiology, if of sufficient merit. Practical and theoretical work in second and third year is taken into account and if two students are equal the prize may be divided. In the event of the prize not being awarded in any one year, an additional prize may be awarded the next year or the value of the prize may be increased. Value, \$150.

### Eva Saunders Memorial Prize

Established in 1939 by a gift of £110 from the Shirley Old Girls' Union in memory of the late Miss Eva F. Saunders.

The prize is awarded annually to a third year woman student for proficiency in Botany II or III. Value, \$60.

## Chemistry

### G. S. Caird Scholarships

Founded in 1886, by a gift of £1000 from George S. Caird, for the encouragement of the study of Chemistry. Formerly awarded at the second year examination in the Faculty of Science, for proficiency in Chemistry. From 1926 awarded at the third year examination to a student of Chemistry III or of Organic Chemistry (Pure and Applied) proceeding to the Honours course in Chemistry or Organic Chemistry.

From 1937 two scholarships, each of \$100, tenable for one year, were awarded at the third year examination in the Faculty of Science to students proceeding to the Honours courses in Chemistry and Organic Chemistry, respectively.

From 1979 four scholarships may be awarded to a total value of \$2950 on the basis of third year examinations in Chemistry to students proceeding to Honours in each of Inorganic, Organic, Physical and Theoretical Chemistry providing their work is of sufficient merit. One scholarship is known as the Caird (Major) Scholarship, value \$1000, and the other three are known as the Caird (Minor) Scholarships, value \$650 each.

### CSR Chemicals Prize

Established in 1964 by an offer from CSR Chemicals Ltd to donate £50 per annum.

Awarded annually to the honours student in any

branch of Chemistry, who, in the opinion of the head of the School of Chemistry, has obtained the highest placing for the year at the examination for the BSc honours degree. Value, \$200.

### Frank E. Dixon Scholarship

Founded in 1929 by a legacy of £500 from the estate of the late F. E. Dixon for the establishment of a scholarship or prize in Chemistry or a branch of chemical science.

The scholarship is awarded annually at the third year examination in the Faculty of Science to a student proceeding to the honours course in Chemistry. Value, \$650, tenable for one year.

### Dow Chemical (Australia) Limited Scholarship in Chemistry

The scholarship was established in 1985, following the offer from Dow Chemical (Australia) Limited of a Scholarship to be awarded annually to a Chemistry III student who is enrolled in the Faculty of Science.

The scholarship is awarded under the following conditions:

(1) The name of the scholarship shall be the Dow Chemical (Australia) Limited Scholarship in Chemistry.

(2) The scholarship shall be of the value of \$1000 per annum.

(3) The scholarship is available to students who are permanent residents of Australia, or to students of whom at least one parent is a permanent resident of Australia.

(4) Unless the Dean of the Faculty of Science decides otherwise, the scholarship is available only to students who are currently enrolled in Chemistry III or, subject to condition (9), in Chemistry IV in the Faculty of Science, and who are not proceeding to the combined degrees of Bachelor of Science and Bachelor of Engineering.

(5) The scholarship is normally tenable for two years for study of Chemistry III and Chemistry IV, subject to the scholar's progress at the end of the first year being considered satisfactory by the Dean of the Faculty of Science on the advice of the Head of the School of Chemistry.

(6) The scholarship will be awarded by the Dean of the Faculty of Science on the advice of a Selection Committee consisting of the Head of the School of Chemistry, the Professors of Chemistry and a representative of Dow Chemical (Australia) Limited.

(7) The primary selection criterion for the award of the scholarship will be relevant academic achievement but consideration may also be given to such factors as qualities of character, personality and leadership, as well as financial need.

(8) An award shall not be made to a candidate unless in the opinion of a selection committee he or she is of sufficient merit.

(9) In the event that the award of the scholarship is not to be continued for a second year, the scholarship may be awarded to a Chemistry IV Honours student from the same Chemistry III class.

Note: The Company is prepared, outside these conditions, to offer appropriate vacation employment to scholarship holders, with preference given to third year students.

### Charles E. Fawsitt Prize

Established in 1948 by a gift of £183 from the Charles E. Fawsitt Prize Fund.

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CHEMISTRY

The prize is awarded for proficiency in Chemistry at the first year examination. Value, \$120.

**Edna Maude Goulston Prize in Organic Chemistry**

Established in 1966 in memory of and under a bequest from the late Edna Maude Goulston to provide a Scholarship in the Department of Organic Chemistry.

Awarded annually to a student on the results of the fourth year (honours) examination in Organic Chemistry, provided that he be of sufficient merit. Value, \$370.

**Arthur Hollis Memorial Prize**

Established in 1962 by a gift of £420 from colleagues, friends, and relatives, as a memorial to the late Arthur Hollis, MSc, a university medallist, who died whilst a postgraduate student in Organic Chemistry.

Awarded annually to the student in Science II gaining the highest aggregate mark (Theory and Practical) in Organic Chemistry IIB in the subject Chemistry II at the annual examination. Value, \$80.

**Inglis Hudson Scholarships**

Founded in 1936 by a bequest of £1000 from the late George Inglis Hudson for the establishment of prizes in Organic Chemistry at the University of New South Wales and the University of Sydney.

The University of Sydney awards three scholarships on the results of the third-year examination in the Faculty of Science to students who are proceeding to the honours course in Organic Chemistry. Value, one at \$300 and two at \$150 each, tenable for one year.

**Iredale Prize**

Established in 1973 from the proceeds of an appeal, amounting to \$711 by the Sydney University Chemical Society to commemorate the work of the late Dr Thomas Iredale.

Awarded annually on the recommendation of the head of the Department of Physical Chemistry to the student with the most outstanding performance in Physical Chemistry in either of the courses Chemistry II or Chemistry II Long. Value, \$95.

**Levey Scholarships**

Founded by Solomon Levey by a gift of £500 (with accumulations) as an endowment for the education of orphan boys in the Sydney College. In 1853 the fund was transferred to the University as an endowment for a scholarship. Up to 1878 this scholarship was awarded for general proficiency at the matriculation examination.

Three scholarships are awarded.

- (1) The Levey Scholarship — Award No. 1 is awarded for proficiency in Physics I to a student in the Faculty of Arts, Science or Engineering who is proceeding to Physics II. Value, \$550.
- (2) The Levey Scholarship — Award No. 2 (Major) is awarded for proficiency in Chemistry I to a student in the Faculty of Arts, Science or Engineering who is proceeding to Chemistry II. Value, \$350.
- (3) The Levey Scholarship — Award No. 3 (Minor) is awarded for proficiency in Chemistry I to a student in the Faculty of Arts, Science or Engineering who is proceeding to Chemistry II. Value, \$200.

**C. H. Wilson Prize**

Established in 1968 by a bequest of \$500 from the late Clive Henry Wilson.

The prize is to be awarded to the student graduating

in first position with first class honours in Organic Chemistry in the BSc (Hons) examination in the Faculty of Science. If no first class honours are awarded in any year, the income for that year is to become part of the principal. Value, \$70.

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**Classics**

**Backhouse Prize**

For conditions of award, see under *Prize Compositions* at the end of this section of the Calendar.

**Cooper Scholarships**

Founded in 1857 by a gift of £1000 (with accumulations) from Sir Daniel Cooper, Bt, for the encouragement of Classical Literature.

**Cooper Scholarship, No. I**

Awarded at the second year examination for proficiency in Classics. Value, \$370, tenable for one year.

**Cooper Scholarship, No. III**

Awarded at the first year examination for proficiency in Classics. Value, \$370, tenable for one year.

**Cooper Scholarship, No. IV**

Awarded at the third year examination for proficiency in Classics. Value, \$370, tenable for one year.

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**Computer Science**

**Ian Jackson Memorial Prize**

Established in 1980 in memory of Ian Jackson, Lecturer in Computer Science from 1973 to 1980, by a donation of \$500 by the Sydney University Computer Science Undergraduates Club.

Awarded annually on the recommendation of the head of the Department of Computer Science for proficiency in third year Computer Science, provided that the candidate's work is of sufficient merit. Value, \$50.

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**Economic History**

**Sir Hermann Black Prize in Economic History**

Established in 1981 by an anonymous donation of \$1500 to be used for a purpose determined by the Vice-Chancellor.

Awarded annually in the Department of Economic History to the student proceeding to the degree of Bachelor of Economics or Bachelor of Arts whose work throughout three years of study in the Department of Economic History is, on the recommendation of the head of the department, considered the best, provided the candidate's work is of sufficient merit. Value, \$150.

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**Econometrics**

**Applied Statistics Prize**

Established in 1982 by the offer of an annual donation of \$100 from an anonymous donor for a prize in Econometrics. The objective of the prize is to encourage an interest in applied research using official statistics.

Awarded annually on the recommendation of the head of the Department of Econometrics to the student who is most distinguished in Econometrics III Advanced, provided that the student's work is of sufficient merit. Value, \$100.

### **R. S. G. Rutherford Prizes**

Established in 1981 by graduates in the Department of Economic Statistics who donated to a fund to establish two annual prizes in honour of Professor R. S. G. Rutherford who retired from the Chair of Economic Statistics at the end of 1980.

Awarded annually on the recommendation of the head of the Department of Econometrics to the most proficient student in each of the courses Econometrics II and Econometrics III, provided the work is of sufficient merit. Value, \$50 each.

## **Education**

### **Headfoot School Prize**

In 1928 an amount of £61 was received through Dr R. T. Wade, to be used at the discretion of the Senate. In 1959 this sum, plus accrued interest, totalled about £150 and, with Dr Wade's consent, an annual prize was established to be awarded at the third year examination in the Faculty of Arts for proficiency in Education. Value, \$110.

### **Sydney University Education Society Prizes**

In 1956 the Sydney University Education Society offered to provide each year two prizes to be awarded to the most proficient pass students in Education II and Education III. Value, \$25 each.

## **English**

### **Thomas Henry Coulson Scholarship<sup>1</sup>**

Founded in 1916 by a gift of £1000 from the executors of the will of the late Miss Mary Jane Coulson, in memory of her brother.

Awarded in Course II to a student of six terms' standing in the Faculty of Arts for distinction in the study of English Language and Literature. Value, \$80, tenable for one year. The scholar is required to attend the course of English III during his tenure of the scholarship.

### **Coutts Scholarships<sup>1</sup>**

Founded in 1905, by a gift of £2700 from Mrs Janet Coutts, widow of the late John Coutts. The deed of gift provides for the establishment of two Scholarships, to be called respectively the James Coutts Scholarship and the John Coutts Scholarship, in memory of the donor's deceased sons, who were graduates of the University. The John Coutts Scholarship is awarded in the Faculty of Science.

### **James Coutts Scholarship, No. I**

Awarded at the third year examination in the Faculty of Arts for distinction in the study of the English Language and Literature. Value, \$100, tenable for one year. The scholar is required to attend the honours year in English during his tenure of the scholarship.

### **James Coutts Scholarship, No. II**

Awarded at the fourth year examination in the Faculty of Arts for distinction in the study of the English Language and Literature. Value, \$100, tenable for one year.

### **Margaret Cramp Memorial Prize**

Established in 1945 from part of a gift of £100 from the Evening Students' Association.

Awarded annually to a first year woman evening student for proficiency in English I, in memory of Margaret Cramp, a former evening student and Library Assistant in the Fisher Library. Value, \$15.

### **Helen B. Devine Bequest Prize**

The prize was established in 1986 by a bequest of \$500 from Miss Helen B. Devine who died in 1984.

Helen Devine graduated with the degree of Bachelor of Arts in 1967, majoring in English and French. For her achievements in representing the University in snow-skiing she was awarded a Sports Blue.

The prize may be awarded annually on the recommendation of the Professor of Early English Literature and Language to the most proficient student in Old English/Anglo-Saxon Studies, provided that the student's work is of sufficient merit.

Value, \$45.

### **Evening Students' Association Prize<sup>1</sup>**

In 1942 the Evening Students' Association made a gift of £100 to provide three annual prizes for evening students. The Association had previously made an annual gift for the payment of the prizes.

One prize is awarded annually to an evening student for proficiency in English III. Value, \$15.

### **MacCallum Prize**

Founded in 1920 by a gift of £200, from undergraduates in the Faculty of Arts, and some others, as a means of perpetuating in honour of Professor M. W. MacCallum, MA LL.D., the prize-giving in English Literature instituted and continued by him during his thirty-four years' occupation of the Chair of Modern Literature.

Awarded at the first year examinations in the Faculty of Arts, for proficiency in English Literature. Value, \$200.

### **Australian Federation of University Women Prize in English**

A prize originally of £2 2s., given by the New South Wales Association of University Women Graduates, awarded to a woman undergraduate in the second year of the Faculty of Arts whose essays are adjudged best, if of sufficient merit. Value, \$60.

### **N.S.W. Institute of Journalists' Prize**

Established in 1956 by the gift of £65 from the New South Wales Institute of Journalists for the purpose of endowing an annual prize to be known as the New South Wales Institute of Journalists' Prize.

Awarded annually to the student showing the greatest proficiency in Australian Literature within the Department of English. Value, \$35.

### **Dr Colin Roderick Prize**

Details of the Dr Colin Roderick Prize may be found under *Postgraduate Scholarships and Prizes, Faculty of Arts*.

### **Maud Stiles Prize**

Founded in 1915 by a gift of £115 from Mrs Stiles (formerly Headmistress of Normanhurst, Ashfield).

It is awarded annually for proficiency in English to a woman student of the first year. Value, \$50.

### **Sydney University Arts Association Prize**

Established in 1967 by an offer from the Sydney University Arts Association of an annual donation.

<sup>1</sup> Currently under review.

<sup>1</sup> Currently under review.

Awarded annually to a student in English III (pass course) and History III (pass course) in alternate years, on the recommendation of the head of the department concerned, provided there be a student of sufficient merit. Value, \$100.

#### **Josiah Symon Scholarship**

Founded in 1922 by a gift of £1000 from Sir Josiah Symon, KC, of Adelaide, for the foundation of a scholarship in English.

Awarded for English I in the Faculty of Arts for distinction in the study of English Language and Literature. The award will be made to a student of three terms' standing, upon the recommendation of the professors of English Language and Literature, and will have reference to proficiency in spoken as well as in written English. Value, \$90, tenable for one year.

The scholar is required to attend the course of English II during his tenure of the scholarship.

#### **University Prize for English Verse**

For conditions of award see under *Prize Compositions* at the end of this section of the Calendar.

### **Fine Arts**

#### **Kathleen Garnham Laurence Prize**

Founded in 1971 by the gift of \$500 from Miss K. J. Laurence to establish a prize in memory of her aunt Kathleen Garnham Laurence.

Awarded annually to the most proficient first year student at the annual examination in Fine Arts I. Value, \$200.

#### **Mari Kuttna Memorial Prize in Film Studies**

Three prizes may be awarded annually on the recommendation of the Head of the Power Department of Fine Arts to students demonstrating high standards of proficiency in film studies (as studied and taught) within the Power Department either at undergraduate or postgraduate level.

Value, \$500 each.

#### **Mary Makinson Prize**

Founded in 1971 by a gift of \$500 from Miss K. J. Laurence to establish a prize in memory of her aunt, Mary Makinson.

Awarded annually to the most proficient fourth year student at the annual examination in Fine Arts IV. Value, \$50.

### **French**

#### **Pechiney Australia Prize**

Established in 1974 by a donation of \$500 from Pechiney Australia Pty Ltd and further subsequent annual donations.

Awarded annually on the recommendation of the head of the Department of French Studies, on the basis of work done during the year and the annual examinations, to the most proficient student in the course French IIIB provided the student's work is of sufficient merit. Value, \$200.

#### **BNP Prize**

Established in 1974 by a donation of \$500 from the Banque Nationale de Paris.

Awarded annually, on the recommendation of the head of the Department of French Studies, on the basis of work done during the year and the annual examinations, to the most proficient student in French

IIIB provided the student's work is of sufficient merit. Value, \$45.

#### **Garton Scholarships**

Founded in 1898 by a bequest of £2050 from the late Thomas Garton of Clapham, London, for the establishment of scholarships for French and German and for Ancient History, or other subjects at the discretion of the Senate. Under the powers granted in the will, the Senate has determined to apply the fund to the foundation of scholarships for French and German.

#### **Garton Scholarship, No. 1**

The scholarship is awarded on the recommendation of the head of the Department of French Studies for proficiency in the course French IA. Value, \$850, tenable for one year.

The scholar is required to attend the course French IIA during the tenure of the scholarship.

#### **Garton Scholarship, No. 2**

The scholarship is awarded on the recommendation of the head of the Department of French Studies for proficiency in the course French IIA. Value, \$850, tenable for one year.

The scholar is required to attend the course French IIIA during the tenure of the scholarship.

#### **Lithgow Scholarship, No. II**

Awarded on the recommendation of the head of the Department of French Studies on the third year examination for proficiency in French IIIA. Value, \$600, tenable for one year.

The scholar is required to attend the Honours IV year in French during the tenure of the scholarship.

#### **Helen Simpson Prize**

Established in 1937 by a gift of £150 from Miss Helen Simpson.

The prize is to be awarded annually for a French essay upon some aspect of the work of a French writer, the competition for the prize to be open only to candidates for the honours degree of Bachelor of Arts who have entered upon the final year of that course. Value, \$130.

#### **Total Australia Prize**

Established in 1974 by a donation of \$500 from Total Australia Ltd.

Awarded annually on the recommendation of the head of the Department of French Studies, on the basis of work during the year and the annual examinations, to the most proficient student in the course French IB provided the student's work is of sufficient merit. Value, \$50.

### **Geography**

#### **G. S. Caird Scholarship**

Awarded to a matriculated student of the Faculty of Science or of the Faculty of Arts for proficiency in the final examination in Geography III.

The scholar is required to undertake research in the Department of Geography during the year following the award.

If there should be no suitable candidate at the third year examination, the scholarship may be awarded at the second year (Geography II) examination. In this latter case the scholar shall attend the full course in Geography III. Value, \$500, tenable for one year.



### **Edgar Ford Memorial Scholarship**

Established in 1982 as a memorial scholarship by a donation of \$2550 from the family, friends and colleagues of Edgar Ford, noted geographer, cartographer and teacher, to encourage the study of geography.

Awarded annually on the recommendation of the head of the Department of Geography to the candidate for a Bachelor's degree who enrolls in a fourth year honours course in Geography in the year of award and who has shown greatest proficiency in Geography IIP, provided that the candidate's work is of sufficient merit. Value, \$180.

### **Professor James Macdonald Holmes Prize**

Established in 1963 by a donation of £100 by P. A. Yeomans to commemorate the work of Professor James Macdonald Holmes.

The prize to be awarded to the student who gains the highest marks in the Geography I examination in the Faculty of Arts. Value, \$30.

### **W. H. Maze Prize in Geography II**

Established in 1978 to commemorate the contribution made by Mr W. H. Maze to Australian geography. Mr Maze was on the staff of the Department of Geography from 1935 to 1947 as Demonstrator, Assistant Lecturer, Lecturer and Senior Lecturer. He was subsequently Deputy Registrar (1947–50), Registrar (1950–55), Assistant Principal (1955–68) and Deputy Principal from 1968 until his retirement in 1973.

Awarded annually on the recommendation of the head of the Department of Geography to the most proficient student in Geography II, if the student's work is of sufficient merit. Value, approximately \$250.

### **Rev. A. S. McCook Memorial Scholarship**

Established in 1954 by a gift of £1200 from Mrs Jessie McCook to found a scholarship for Geography in memory of her late husband, the Rev. Adam Stuart McCook, BA.

The scholarship is to be awarded on the results of the third year examinations to a student proceeding to honours in Geography in the Faculty of Arts or Science to assist him in the payment of expenses connected with field work required for the completion of his honours thesis. Value, \$500.

### **Professor Griffith Taylor Prize**

Established in 1957 by the donation of £100 by Miss Evelyn N. Legg to commemorate the work of Professor Griffith Taylor.

The prize is to be awarded to the woman student who gains the highest marks in the Geography I examination in the Faculty of Science. Value, \$50.

## **Geology**

### **Olga Marian Browne Prize**

Established in 1949 by a gift of £100 from Dr W. R. Browne and his daughters for a prize in memory of his wife.

The prize is awarded to the second year Geology student who submits the best report on field work done on the annual Geology excursion. Value, \$50.

### **Leo A. Cotton Prize in Exploration Geophysics**

Established in 1969 as a memorial to Professor Leo A. Cotton, Professor of Geology in the University from 1925 to 1948 and Emeritus Professor until his death in

1963. Professor Cotton was a pioneer in Geophysics Research in the University.

To be awarded annually in the Department of Geology and Geophysics for proficiency in senior year studies in the field of Exploration Geophysics. Annual value, \$80. If the departmental committee of award does not make a recommendation for the prize in any year, it may, at its discretion make a second award in any subsequent year.

### **Earth Resources Foundation Scholarships**

Established in 1981 by the Earth Resources Foundation within the University of Sydney to provide undergraduate scholarships to encourage the study of geology and geophysics.

#### *No. 1 Scholarships*

Up to two scholarships to be awarded annually, on the recommendation of the head of the Department of Geology and Geophysics, to students enrolled in the course Geology I, on the basis of academic merit at the HSC examination. The scholarships will be tenable for up to four years provided that the student continues to enrol in succeeding courses in Geology and / or Geophysics as approved by the Head of the Department, passes all courses in which the student has enrolled and obtains a grade of at least credit in the courses Geology and / or Geophysics. Value, \$800 per annum.

#### *No. 2 Scholarships*

Up to three scholarships to be awarded annually, on the recommendation of the head of the Department of Geology and Geophysics, for proficiency in the course Geology I, provided that the student's work is of sufficient merit and that the student enrolls in intermediate courses in Geology or Geophysics for the degree of Bachelor of Science as approved by the head of the department. The scholarships will be tenable for up to three years, provided that the student continues to enrol in succeeding courses in Geology and / or Geophysics as approved by the head of the department, passes all courses in which the student has enrolled and obtains a grade of at least credit in Geology and / or Geophysics. Value, \$800 per annum.

#### *No. 3 Scholarships*

Up to two scholarships to be awarded annually, on the recommendation of the head of the Department of Geology and Geophysics, for proficiency in the intermediate courses for the degree of Bachelor of Science in Geology and / or Geophysics, provided that the student's work is of sufficient merit and that the student enrolls in senior courses in Geology and / or Geophysics for the degree of Bachelor of Science as approved by the head of the department. The scholarships will be tenable for up to two years provided the student passes all courses in which the student has enrolled and obtains a grade of at least credit in the courses in Geology and / or Geophysics. Value, \$800 per annum.

#### *No. 4 Scholarship*

One scholarship may be awarded annually, on the recommendation of the head of the Department of Geology and Geophysics, for proficiency in the senior courses for the degree of Bachelor of Science in Geology and / or Geophysics, provided that the student's work is of sufficient merit and that the student enrolls in an honours course for the degree of Bachelor of Science in Geology, Applied Geology, Geophysics or Exploration Geophysics. The scholarship will be tenable for one year. Value \$800.

A student may not hold more than one Earth Resources Foundation Scholarship concurrently.

UNDERGRADUATE:  
FINE ARTS—  
GEOLOGY

### **Edgeworth David Prize for Palaeontology**

Founded in 1934 by a donation of £50 from Dr and Mrs A. A. Pain, to establish a prize in commemoration of the work of the late Emeritus Professor Sir T. W. Edgeworth David at the University.

The prize is awarded annually to a third year student in the Faculty of Science for proficiency in Palaeontology. Value, \$60.

### **Deas-Thomson Scholarship for Geology**

The Deas-Thomson Scholarship for Geology shall be awarded for proficiency in Geology to a student graduating with honours in the Faculty of Arts or Science who is proceeding to further approved study in any branch of Geology within the Department of Geology and Geophysics of the University. The amount of the scholarship is \$400 and is tenable for one year.

### **Deas-Thomson Scholarship for Mineralogy**

Awarded at the third year examination in Geology to a student who proposes to proceed to a degree with Honours in Geology and Mineralogy. Candidates must have passed the examination in Chemistry II, or Physics I or Mathematics II. Value, \$200, tenable for one year.

### **C. E. Marshall Scholarship**

Established in 1980 in honour of Emeritus Professor C. E. Marshall, formerly Edgeworth David Professor of Geology and William Hilton Hovell Lecturer, from donations from graduates in Geology and Geophysics.

Awarded annually on the recommendation of the head of the Department of Geology and Geophysics to a student who has shown proficiency in Geology I in his or her first year of enrolment at the University and who proceeds to Geology II, provided that the student's work is of sufficient merit. Value, \$400.

### **Mining and Metallurgical Bursaries**

For conditions of award see under *Scholarships and Prizes—Faculty of Engineering*. Value, \$200.

### **Quodling Testimonial Prize**

Established in 1963 by a gift of £100 from Miss Florence M. Quodling.

Awarded annually to a student in the Department of Geology and Geophysics for work of merit in Crystallography and Petrology at the end of the third year course. Value, \$60.

### **L. A. Richardson Memorial Prize**

The prize was established in 1971 by a gift of \$5000 from Peko-Wallsend Ltd in memory of Mr. L. A. Richardson who assisted the donor in the location of ore bodies by use of geophysical methods and who made considerable contributions to the subject of geophysics.

The Prize may be awarded annually by the Dean of the Faculty of Science to the student in the Faculty who submits the most outstanding thesis in the field of exploration geophysics in either the course Geophysics Honours or the course Geology Honours. If no thesis of sufficient merit is submitted in any one year, the prize for that year may be awarded to the student who shows the greatest proficiency in the senior course Geophysics. Value, \$600.

### **Sheila Mitchell Swain Memorial Prize**

Established in 1946 by a gift of £250 from H. J. Swain, BA Camb. BSc BE, in memory of his daughter.

Awarded annually to the third year student in the Faculty of Science who submits the best essay on a Geology field excursion. Value, \$210.

## **Germanic Studies**

### **Dr R. G. Crossley Memorial Prize**

Established in 1969 by members of the Department of German and former students to commemorate the late Dr R. G. Crossley.

Awarded annually to the best student in Middle High German in the second year honours course, provided that his work is of sufficient merit. Value, \$60.

### **Garton Scholarship, No. IV**

Awarded at the first year examination in the Faculty of Arts for proficiency in German. Value, \$750, tenable for one year.

The scholar is required to attend the course of German II during his tenure of the scholarship.

### **Garton Scholarship, No. V**

Awarded at the second year examination in the Faculty of Arts for proficiency in German. Value, \$850, tenable for one year.

The scholar is required to attend the course of German III during his tenure of the scholarship.

### **Garton Scholarship, No. VI**

Awarded at the third year examination in the Faculty of Arts for proficiency in German. Value, \$1100, tenable for one year.

The scholar is required to attend the honours year in German during his tenure of the scholarship.

### **Goethe Prize for German Studies**

Established in 1976 by the offer of an annual prize from the Consul General of the Federal Republic of Germany.

Awarded annually on the recommendation of the head of the Department of Germanic Studies to the best student in German IV, who, in the opinion of the head of the department, does not have an exceptional advantage by reason of prolonged residence in a German-speaking country. Should no student show sufficient merit, the prize may be held over to the following year, when two prizes may be awarded. Value: books valued between \$25 and \$60.

### **Christopher Cornelius Lewis Richards Memorial Prize**

Established in 1959 by a bequest of £221 19s. 4d. from the late C. C. L. Richards who left half his estate to the University with the request that it be used for a yearly scholarship or prize to be awarded to the best scholar in the Dutch language.

The prize may be awarded annually to the student who is most proficient in the study of the Dutch language, provided that the student's work is of sufficient merit. The prize is awarded on the recommendation of the head of the department in which the study of the Dutch language is offered, or, where there is more than one such department, the joint recommendation of the heads of the departments concerned. Value, \$140.

### **Enid Watson Memorial Scholarship**

The scholarship was established in 1984 by a gift of \$500 from Kenneth D. Watson, in memory of his wife, Enid Watson, who was for ten years a tutor in the Department of Germanic Studies. The initial donation was augmented by donations from family

members and colleagues of Mrs Watson. The purpose of the scholarship was, particularly, to encourage students studying German, at the University of Sydney, in the B stream.

The scholarship may be awarded annually on the recommendation of the Head of the Department of Germanic Studies to the candidate for a bachelor's degree who is pursuing the study of German as part of the degree requirements, who shows greatest proficiency in any one of the courses, German IB, IIB, IIB Honours or IIIB and who proceeds with the study of German at this University in the following year, provided that the candidate's work is of sufficient merit. Subject to the preceding conditions, the scholarship may be awarded to the same student in successive years.

Value, \$45.

## Government and Public Administration

### Emeritus Professor F. A. Bland Prize

Established in 1968 by a bequest of \$200 from the late Emeritus Professor F. A. Bland.

Awarded annually to the best student in third year Government in either the Faculty of Arts or the Faculty of Economics, provided he is of sufficient merit. Value, \$30.

### G. C. Remington Prize

Established in 1968 by the offer from the New South Wales Regional Group of the Royal Institute of Public Administration of an annual donation of \$250 to endow a prize in memory of Mr Geoffrey C. Remington, CMG, co-founder of the Institute in New South Wales and Chairman of the Group Council for many years.

Awarded on the recommendation of the Professor of Government and Public Administration to the student in any year who has most distinguished himself in the study of Government, especially in its administrative aspects.

### Shell Prize in Government

The prize is awarded to the full-time student graduating as Bachelor of Arts or Bachelor of Economics who shall have most distinguished himself in the School of Government. Value, \$150.

## Greek

### Frederic Spencer Burnell Prize

Established in 1962 by a gift of £100 by Mrs M. K. Burnell to endow an annual prize for the best essay written by a student in Greek II or Greek III. Value, \$30.

### W. J. Woodhouse Memorial Prize

Established in 1981 in memory of the late W. J. Woodhouse, Professor of Greek from 1901 to 1937, by a donation of \$2250 from his daughter, Miss L. Woodhouse.

Awarded annually on the recommendation of the Head of the Department of Greek for outstanding work in one of the undergraduate courses in (Ancient) Greek, other than fourth year honours, provided that there is a candidate whose work is of sufficient merit and that the prize is not awarded more than once to the same student.

The prize will take the form of a medal plus a cash award.

## Hebrew

### Bernard and Lotka Ferster Scholarship in Hebrew

Established in 1977 by a gift of \$1000 from Mr & Mrs Bernard Ferster.

Awarded annually to the student who receives the highest aggregate mark at the examination in Hebrew IA or Hebrew IB and who subsequently enrolls in Hebrew IIA or Hebrew IIB Honours, provided that the student's work is of sufficient merit. Value, \$100.

### Percy Joseph Marks Prize

Established in 1950 by a bequest of £1100 from the late P. J. Marks, Esq.

Five prizes of \$200 each are awarded annually, on the recommendation of the Head of the Department of Semitic Studies, to the best candidate in each of the courses Hebrew IA, Hebrew IB, Hebrew IIA (Modern), Hebrew IIB (Classical) and Hebrew IIB provided that the candidate's work in each case is of sufficient merit. Should no candidate's work be of sufficient merit in any one of these courses, an additional award may be made to a second candidate in one of the other Hebrew courses listed provided that the second candidate's work is of sufficient merit.

## History

### Helen Masterton Aberdeen Scholarship

Established in 1946 by a bequest of £1000 from the late Miss Esther Cripps.

Awarded every second year to the most distinguished student of British descent in the Faculty of Arts who is about to proceed to a course of study in British history within the Department of History. Candidates for the scholarship are required to write a special essay on some aspect of British history prescribed by the Head of the Department of History. Value, \$250.

### Helen Newbon Bennett Memorial Prize

Established in 1943 by a gift of £75 from various donors as a memorial to Helen Newbon Bennett, BA 1922, and supplemented in 1979 by the sum of \$267.56 from the estate of her late brother, Geoffrey Newbon Bennett. The prize is awarded annually to a third-year undergraduate in History for essays. Value, \$100.

### Ernest Bramsted Prize

Established in 1970, from contributions to a fund to endow a prize in the Department of History in recognition of the contribution of Associate Professor Ernest K. Bramsted to European Historical Studies.

Awarded annually on the recommendation of the professors of History to a student in History IV for outstanding work in the field of Modern or Medieval European History, provided there is a candidate of sufficient merit. Value, \$180.

### Charles Brunsdon Fletcher Prize

Established in 1948 by a bequest of £100 from the late Charles Brunsdon Fletcher.

Awarded annually to an undergraduate in Arts for the best thesis involving research in Pacific History. Candidates are not debarred from submitting work undertaken as part of their degree course. Value, \$70.

### Isabel M. King Memorial Prize

Established in 1960 by a gift of £210 from the Isabel King Memorial Fund Committee.

Awarded annually to the best student in History III in the annual examinations. Value, \$105.

**Venour V. Nathan Prize**

For conditions of award see under *Prize Compositions* at the end of this section of the Calendar.

**J. H. M. Nolan Memorial Prize**

Established in 1941 by a gift of £150 from Miss V. Nolan.

The prize is awarded annually to the student showing the most promise in any year of the history course. Value, \$110.

**Maud Stiles Memorial Prize**

Established in 1941 by a gift of £130 from ex-pupils of Normanhurst School for a prize in memory of Mrs Maud Stiles.

The prize is awarded annually to a woman student for proficiency in History II. Value, \$50.

**Sydney University Arts Association Prize**

For conditions of award see under *English* in this section.

**George Arnold Wood Memorial Prizes**

Founded in 1929 by a gift of £100 from the widow, sister, and family of the late Professor Wood to establish two prizes of \$110 each in memory of the professor and in continuance of the prize-giving in history instituted and continued by him during his occupancy of the Chair of History.

One prize is awarded for proficiency in History I and the other for proficiency in History II.

**Indonesian and Malayan Studies**

**Asian Students' Council's 1963 Festival of Asia Prizes**

Founded in 1964 by a gift of £650 from the Asian Students' Council of New South Wales to establish two prizes, one in each of the Departments of Indonesian and Malayan Studies and Oriental Studies.

One prize to be awarded annually to the student who most distinguishes himself in the second year honours examination in Indonesian and Malayan Studies, if of sufficient merit. Value, \$150.

**F. H. van Naerssen Memorial Prize**

Founded in 1976 by a gift of \$2000 from various donors as a memorial to Fritz Herman van Naerssen, Foundation Professor of Indonesian and Malayan Studies.

Awarded annually in the Faculty of Arts, normally for the purposes of travel, either to the most proficient student in the third year honours course in Indonesian and Malayan Studies, if of sufficient merit, or as a grant-in-aid to a postgraduate student on the recommendation of the head of the Department of Indonesian and Malayan Studies. Value, \$250.

**Ronald J. Worsley Memorial Prize**

Established in 1964 by a gift of £103 3s. from Mrs U. Worsley, to endow a prize in memory of her husband, to be known as the Ronald J. Worsley Memorial Prize.

Awarded annually to the most proficient student in the final year honours course in Indonesian and Malayan Studies. Value, \$50.

**Industrial Relations**

**Commonwealth Bank Officers' Association Prize**

Established in 1981 by the offer from the Commonwealth Bank Officers' Association to donate annually the sum of \$50 for a prize in Industrial Relations.

Awarded annually on the recommendation of the head of the Department of Industrial Relations to the student who most distinguishes himself or herself in the course Industrial Relations I, provided that the candidate's work is of sufficient merit.

**Seamen's Union of Australia Eliot V. Elliott Prize in Industrial Relations**

Established in 1981 by a donation of \$625 by the Seamen's Union of Australia to establish an annual undergraduate prize of \$125 in the Department of Industrial Relations for a period of five years.

Awarded annually, on the recommendation of the head of the Department of Industrial Relations in consultation with the Professor of Industrial Relations, to the candidate in the course Industrial Relations II Normal or Industrial Relations II Advanced who most distinguishes himself or herself in the elective 'The Sociology of Industry and Labour' provided the candidate's work is of sufficient merit.

**Italian**

**Countess E. M. Freehill Prizes in Italian**

In 1930, Countess E. M. Freehill, Carmona, Point Piper, gave the University the sum of £1000 to found prizes in Italian and to promote Italian studies in the University.

**Countess E. M. Freehill Scholarship, No. I**

Awarded at the examination in Italian I in the Faculty of Arts for proficiency in Italian. Value, \$115, tenable for one year.

The scholar is required to attend the course in Italian II during his tenure of the scholarship.

**Countess E. M. Freehill Scholarship, No. II**

Awarded at the examination in Italian II in the Faculty of Arts for proficiency in Italian. Value, \$115, tenable for one year.

The scholar is required to attend the course in Italian III during his tenure of the scholarship.

**Beatrice Moran Memorial Prize in Italian**

In 1930 Dr H. M. Moran, of Macquarie Street, Sydney, gave the University the sum of £1000 to found a prize in Italian and to promote Italian studies in the University, in memory of his sister, Beatrice Annie Moran, who died in 1929.

Awarded at the examination in Italian III in the Faculty of Arts for proficiency in Italian. Value, \$200, tenable for one year.

**N.S.W. Government and Frederick May Foundation Scholarship**

For conditions of award see under the section *Postgraduate Scholarships and Prizes Awarded by External Bodies*.

**Joseph Sainsbury Prize in Italian Philology**

Established in 1977 by an offer of an annual donation of \$50.

Awarded annually on the recommendation of the head of the Department of Italian after consulting the lecturer responsible for teaching Philology in Italian IV to the student in Italian IV whose major interest is in Italian Philology and whose work in the area is of sufficient merit. Value, \$50.

**Rosina Tedeschi Memorial Prize**

The prize was established in 1984 by a donation of \$2000 by Roberto A. Tedeschi in memory of his mother, Rosina Tedeschi, a lecturer for some twenty-five years in the Department of Italian.

The prize may be awarded annually on the recommendation of the Head of the Department of Italian *per l'ottimo profitto compiuto nell' uso orale della lingua Italiana nel primo anno di studio*. Value, \$150.

(Translation: Greatest improvement in Italian Conversation in either of the courses IA or IB.)

## Latin

### Frederick Lloyd Memorial Prize

For conditions of award see under *Prize Compositions* at the end of this section of the Calendar.

### Nicholson Medal

In 1866, the sum of £200 was set aside by the Senate for the purpose of permanently founding a medal to be called the 'Nicholson Medal' in honour of Sir Charles Nicholson, Bt, MD *Edin.* Hon.DCL *Oxf.* Hon.LLD *Camb.*, Provost 1854–1859, Chancellor 1860–1861, to provide an annual prize for Latin verse. The competition for this medal is open to all undergraduates and to graduates of not more than two years' standing. Awarded annually, on the recommendation of the head of the Department of Latin, for either (a) translation of a set piece into Latin verse, or (b) an essay on a prescribed topic in the field of Latin poetry, which may be a regular essay set for Latin IIA, IIB, IIIA or IIIB. Value, \$300, now awarded as a cash prize.

### Nicholson Scholarships in Latin

Established in 1979 from surplus accumulated income of the fund established for the Nicholson Medal.

#### *Nicholson Scholarship No. IA*

Awarded annually in the Faculty of Arts, on the recommendation of the head of the Department of Latin, to the student who enrolls in Latin IIA and who demonstrated the greatest proficiency in Latin IA in the previous year, provided that the student's work is of sufficient merit. Value, \$400.

#### *Nicholson Scholarship No. IB*

Awarded annually in the Faculty of Arts, on the recommendation of the head of the Department of Latin, to the student who enrolls in Latin IIB and who demonstrated the greatest proficiency in Latin IB in the previous year, provided that the student's work is of sufficient merit. Value, \$400.

#### *Nicholson Scholarship No. IIA*

Awarded annually in the Faculty of Arts, on the recommendation of the head of the Department of Latin, to the student who enrolls in Latin IIIA and who demonstrated the greatest proficiency in Latin IIA in the previous year, provided that the student's work is of sufficient merit. Value, \$400.

#### *Nicholson Scholarship No. IIB*

Awarded annually in the Faculty of Arts, on the recommendation of the head of the Department of Latin, to the student who enrolls in Latin IIIB and who demonstrated the greatest proficiency in Latin IIB in the previous year, provided that the student's work is of sufficient merit. Value, \$400.

#### *Nicholson Scholarship No. III*

Awarded annually in the Faculty of Arts, on the recommendation of the head of the Department of Latin, to the student who enrolls in Latin IIIA and who demonstrated the greatest proficiency in Latin IIIB in the previous year, provided that the student's work is of sufficient merit. Value, \$400.

#### *Nicholson Scholarship No. IV*

Awarded annually in the Faculty of Arts, on the rec-

ommendation of the head of the Department of Latin, to the student who enrolls in Latin IV and who demonstrated the greatest proficiency in Latin IIIA in the previous year, provided that the student's work is of sufficient merit. Value, \$400.

## Mathematical Statistics

See below under *Statistics*.

## Mathematics

### George Allen Scholarship

Founded in 1887 by a bequest of £1000 from the Hon. George Allen.

Prior to 1939 the scholarship was awarded for proficiency in Mathematics I, from 1939 to 1952 it was awarded for proficiency in Mathematics II and from 1952 to 1959 it was awarded for proficiency in Mathematics III. From 1959 to 1978 it was awarded for proficiency in two of the three courses Pure Mathematics III, Applied Mathematics III or Mathematical Statistics III at the annual examination. From 1979 three scholarships are awarded, value \$400 each, for proficiency in each of Pure Mathematics III, Applied Mathematics III and Mathematical Statistics III to students who proceed to honours in a branch of Mathematics.

### Australian Federation of University Women (N.S.W.) Prize in Mathematics

Established in 1982 by the gift of funds from the Australian Federation of University Women — New South Wales, to mark the centenary of the admission of women to the University of Sydney.

Awarded annually, on the recommendation of the Deans of the Faculties of Arts and Science, to the most distinguished woman candidate for the degree of Bachelor of Arts or Bachelor of Science who graduates with First Class Honours in Applied Mathematics, Pure Mathematics or Mathematical Statistics. Value, \$50.

### Barker Prize

Awarded at the fourth (honours) year examination for proficiency in Pure Mathematics, Applied Mathematics or Mathematical Statistics. Value, \$250.

### Barker Scholarships

Founded in 1853 by a gift of £1000 (with accumulations) from Thomas Barker, for the encouragement of mathematical science.

#### *Barker Scholarship, No. I*

Awarded at the second year examination for proficiency in mathematics. Value, \$400, tenable for one year.

The scholar is required to attend two of the three courses Pure Mathematics III, Applied Mathematics III and Mathematical Statistics III during the tenure of his scholarship.

#### *Barker Scholarship, No. II*

Awarded at the first year examination for proficiency in mathematics. Value, \$400, tenable for one year.

The scholar is required to attend two of the three courses Pure Mathematics II, Applied Mathematics II and Mathematical Statistics II during his tenure of the scholarship.

### K. E. Bullen Memorial Prize

Established in 1979 by public subscription in memory of the late Professor K. E. Bullen, Professor of Applied Mathematics from 1946 to 1971.

Awarded annually on the recommendation of the head of Department of Applied Mathematics to the most proficient student in the 4th Year Honours course in Applied Mathematics provided that the student's work is of sufficient merit. Value, \$600.

#### **K. E. Bullen Scholarships**

In 1982 three scholarships and a bursary were established by public subscription to recognise the work of Professor K. E. Bullen, who was Professor of Applied Mathematics from 1946 to 1971, and to encourage study in mathematics with particular emphasis on the promotion of excellence in applied mathematics.

Further donations have been received allowing the establishment of an additional five scholarships. Each scholarship is fully supported by the donor whose name is incorporated in the title.

##### *K. E. Bullen (Burroughs Limited) Scholarship*

To be awarded annually on the recommendation of the Head of, and Professor or Professors in, the Department of Applied Mathematics to the candidate for a bachelor's degree who has demonstrated greatest proficiency in Mathematics I, and who enrolls in Applied Mathematics II or Combined Mathematics II in the year of award, provided that the candidate's work is of sufficient merit. Value, \$1000 per annum.

##### *K. E. Bullen (AGL) Scholarship*

To be awarded annually on the recommendation of the Head of, and Professor or Professors in, the Department of Applied Mathematics to the candidate for a bachelor's degree who has demonstrated greatest proficiency in Applied Mathematics II or Combined Mathematics II and who enrolls in Applied Mathematics III in the year of award, provided that the candidate's work is of sufficient merit. Value, \$1000 per annum.

##### *K. E. Bullen (D. A. Allison) Scholarship*

To be awarded annually on the recommendation of the Head of, and Professor or Professors in, the Department of applied mathematics to the woman candidate for a bachelor's degree who has demonstrated greatest proficiency in applied mathematics during her candidature, who enrolls in a second, third or fourth year course in applied mathematics and who has not received any other K. E. Bullen Scholarship. Value, \$1000 per annum.

##### *K. E. Bullen (ANZ Bank) Scholarship*

To be awarded annually on the recommendation of the Head of, and Professor or Professors in, the Department of Applied Mathematics to the most proficient candidate in 4 Unit Mathematics at the Higher School Certificate examination who enrolls in the course Mathematics I as a candidate for the degree of Bachelor of Science, provided that the candidate's work is of sufficient merit. Value, \$1000 per annum.

##### *K. E. Bullen (Westpac) Scholarship*

To be awarded annually on the recommendation of the Head of, and Professor or Professors in, the Department of Applied Mathematics to the candidate for a bachelor's degree who has demonstrated greatest proficiency in Applied Mathematics III, and who enrolls in the fourth year honours course in Applied Mathematics, or, if there is no such candidate of sufficient merit, to a candidate enrolled in any other fourth year honours course in mathematics, provided that the candidate's work is of sufficient merit. Value, \$1000 per annum.

##### *K. E. Bullen (Greig Fester Pty Ltd) Scholarship*

To be awarded annually on the recommendation of the Head of, and Professor or Professors in, the De-

partment of Applied Mathematics to the candidate for a bachelor's or higher degree who has demonstrated greatest proficiency in applied mathematics and who enrolls in undergraduate courses in applied mathematics or in higher degree courses in the department in the following year. Value, \$1000 per annum.

##### *K. E. Bullen (Kinchill Stearns Pty Ltd) Scholarship*

To be awarded annually on the recommendation of the Head of, and Professor or Professors in, the Department of Applied Mathematics to a candidate for a bachelor's or higher degree who has demonstrated a high degree of proficiency in applied mathematics and who enrolls in undergraduate courses in applied mathematics or in higher degree courses in the department in the following year. Value, \$1000 per annum.

##### *K. E. Bullen (Esso Australia Ltd) Scholarship*

To be awarded annually on the recommendation of the Head of, and Professor or Professors in, the Department of Applied Mathematics to a candidate for a bachelor's or higher degree who has demonstrated a high degree of proficiency in applied mathematics and who enrolls in undergraduate courses in applied mathematics or in higher degree courses in the department which are related to the problems of geophysical exploration. Value, \$1000 per annum.

#### **K. E. Bullen Bursary**

Awarded annually on the recommendation of the head of the Department of Applied Mathematics to a candidate for a bachelor's degree enrolled in an Applied Mathematics or Combined Mathematics course who requires financial assistance to meet student expenses and who has, to the satisfaction of the head of the department, demonstrated academic merit in secondary or tertiary study. Value, \$300. There may be more than one award each year.

#### **Norbert Quirk Prizes**

Founded in 1886 by a gift of £144 from the subscribers to a memorial of the Rev. John Norbert Quirk, LL.D., late Principal of Lyndhurst College.

Four prizes each of \$130 may be awarded annually, one each for the best essay on a given mathematical subject by a student enrolled in a first year, second year, third year and fourth year course in Mathematics (Pure Mathematics, Applied Mathematics or Mathematical Statistics), provided that the essay is of sufficient merit in each case.

#### **Wadsworth Publishers Prize**

Established in 1981 by the offer of Wadsworth Publishing Company (A'Asia) to establish a prize for first year mathematics by the annual donation of a book voucher valued at \$125.

Awarded annually, on the recommendation of the heads of the Departments of Applied Mathematics, Mathematical Statistics and Pure Mathematics, to the first year student from any of the aforementioned departments for proficiency in mathematics in examinations, tutorials, assignments and any other work set during the year, provided the candidate's work is of sufficient merit.

## **Microbiology**

#### **New South Wales Branch of the Australian Society for Microbiology Prize**

Established in 1975 by an offer from the New South Wales Branch of the Australian Society for Microbiology to establish a prize in microbiology. The prize is to be awarded under the following conditions:

(1) The prize shall be known as the New South Wales Branch of the Australian Society for Microbiology Prize.

(2) The prize shall be awarded annually, rotating in the following order:

The University of Sydney

The University of New South Wales

The N.S.W. Institute of Technology

the first offer being made to a student in the University of Sydney.

(3) The prize will be awarded to a student intending to follow a career in Microbiology and must be taken up while the student is enrolled at the University. Students in any Faculty enrolled for postgraduate degrees in Microbiology in the Departments of Microbiology, Bacteriology and Veterinary Pathology are eligible. Candidates may also include students in the Faculties of Medicine and Veterinary Science who have undertaken research work for the degree of BSc(Med) or BSc(Vet) in Microbiology and undergraduates in their final or honours year in Microbiology in the Faculties of Agriculture and Science.

(4) The prize shall be awarded by a committee consisting of the Deans of the Faculties of Agriculture and Science, and two members of the N.S.W. Branch of the Australian Society for Microbiology on the recommendation of the Heads of the Departments of Microbiology, Bacteriology and Veterinary Pathology.

(5) The value of the prize will take the form of expenses for attendance at the annual scientific meeting of the federal body of the Australian Society for Microbiology.

#### **Sydney Chinese Association Prize**

Established in 1969 by a gift of \$200 by the Sydney Chinese Association.

Awarded annually on the recommendation of the Professor of Microbiology to the third year student in the Faculty of Science or Agriculture who shows the greatest proficiency in the course Microbiology or Agricultural Microbiology. Value, \$30.

### **Music**

#### **Frank Albert Prizes in Music**

Founded in 1958 by a gift of £500 from Frank Albert of Sydney, to establish a prize to be awarded to the best student in each year of either the BA or BMus course in music. Value, \$50.

#### **Busby Musical Scholarship**

Founded in 1910 by a bequest of £500 from the late Miss Francis Mary Busby, to be applied in founding a musical scholarship at the University in such manner and subject to such conditions as the governing body thereof shall from time to time direct.

Prior to 1952 the scholarship was awarded to a matriculated undergraduate with some acquaintance with organ or carillon playing.

The scholarship is now awarded annually on the results of BMus III or music III honours examination to the most deserving student intending to proceed to BMus IV or Music IV. Value, \$900, tenable for one year.

#### **Sarah Theresa Makinson Prize for Musical Composition**

Founded in 1972 by a gift of \$500 from Miss K. J. Laurence to establish a prize in memory of her grandmother Sarah Theresa Makinson.

Awarded annually on the recommendation of the head of the Department of Music to the second, third or fourth year undergraduate student of the Faculty of Arts or the Board of Studies in Music who submits the best musical composition of ten or fifteen minutes duration, for a small group of instruments and/or voice(s). Value, \$60.

#### **Donald Peart Memorial Prize**

Established in 1981 by the offer of the Renaissance Players to donate \$100 annually to establish a prize in memory of Emeritus Professor Donald Peart, who was Professor of Music from 1948 to 1974.

Awarded annually on the recommendation of the head of the Department of Music, in consultation with the teaching staff of the department, to the most outstanding student enrolled in a course in the Department of Music, who has demonstrated scholarly excellence and creativity in any two of the following: composition, performance or musicology. Value, \$100.

### **Oriental Studies**

#### **Asian Students' Council's 1963 Festival of Asia Prizes**

Founded in 1964 by a gift of £650 from the Asian Students' Council of New South Wales to establish two prizes, one in each of the Departments of Indonesian and Malayan Studies and Oriental Studies.

One prize to be awarded annually to the student who most distinguishes himself in the third year examination in Chinese, if of sufficient merit, and who intends to proceed to Course IV of the honours school in Chinese. Value, \$75.

#### **A. L. Sadler Prize**

Founded in 1970 by a gift of \$400 from Dr M. J. Morrissey to establish a prize in memory of Professor A. L. Sadler.

Awarded annually on the recommendation of the head of the Department of Oriental Studies to the best student in Japanese II, provided he is of sufficient merit. The prize is normally awarded to a student in the honours school in Japanese, but may be awarded to an outstanding pass student. Value, \$50.

### **Pharmacology**

#### **Roland H. Thorp Prize**

The prize was established in 1985 from the Roland H. Thorp Awards Fund set up to honour Emeritus Professor R. H. Thorp who held the Chair of Pharmacology from 1949 to 1975.

The prize may be awarded on the recommendation of the Professor of Pharmacology to the most proficient student in the third-year course Pharmacology I in the Faculty of Science, provided the student's work is of sufficient merit.

Value, \$200.

### **Pharmacy**

#### **Pamela Frances Anderson Prize**

Established in 1983 by a donation of \$1000 from Mr R. L. Anderson to endow an annual prize in memory of his wife, Pamela, and his daughter Rowena Lloyd Borradaile Anderson. Mrs Anderson was an honours graduate in Pharmacy and held the degree of Master of Science of the University of Sydney, in the field of Pharmacology.

The prize may be awarded annually on the recommendation of the head of the Department of Phar-

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macology to the candidate for the degree of Bachelor of Pharmacy who demonstrates the greatest proficiency in the course Pharmacology II for Pharmacy, provided the candidate's work is of sufficient merit. Value, \$80.

#### **Guild Insurance Company Limited Prize**

Established in 1975 by the offer of an annual amount of \$100 by the Guild Insurance Company Limited to found a prize to be known as the Guild Insurance Company Limited Prize.

Awarded annually on the recommendation of the head of the Department of Pharmacy to the student who gains the best result in the senior year examination which relates to commercial and industrial law and aspects of the law relating to therapeutic substances, and who demonstrates general proficiency in the senior subject examinations. Value, \$100.

### **Philosophy**

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#### **John Anderson Prize**

Established in 1959 by donations from the Sydney University Arts Society.

Awarded to a student pursuing an undergraduate course in Philosophy for the best honours thesis submitted by a student undertaking the course Philosophy IV, if of sufficient merit. The present value of the prize is \$75.

#### **G. S. Caird Scholarship**

Awarded to a student of six terms' standing in the Faculty of Arts for proficiency in Philosophy II. Value, \$500, tenable for one year.

The scholar is required to attend the course in Philosophy III during his tenure of the scholarship.

#### **Lithgow Scholarship, No. III**

Awarded at the first year examination for proficiency in philosophy. Value, \$500, tenable for one year.

The scholar is required to attend the course of Philosophy II during his tenure of the scholarship.

#### **Lithgow Scholarship, No. IV**

Awarded at the third year examination for proficiency in philosophy. Value, \$600, tenable for one year.

The scholar is required to attend the honours year in philosophy during his tenure of the scholarship.

### **Physics**

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#### **Australian Institute of Physics (N.S.W. Branch) Prize in Physics**

Established in 1977 by the N.S.W. Branch Committee of the Australian Institute of Physics for award to students in a tertiary education course leading to eligibility for professional membership of the Institute. One award is available annually in each of the N.S.W. institutions granting such a degree.

Awarded annually on the recommendation of the head of the School of Physics, to the student graduating with the degree of Bachelor of Science with honours in Physics who shows greatest proficiency provided that the student's work is of sufficient merit. Value, \$100.

#### **Geoffrey Builder Prize**

Established in 1963 by the donation of £100 from Mrs M. B. Builder to endow a prize in memory of her husband.

Awarded annually to a student for proficiency in Practical Work in Physics II. Value, \$25.

#### **Deas-Thomson Scholarship in Physics**

Awarded at the third year examination to a student in the Faculty of Arts or Science for proficiency in Physics. The scholar is required to attend the courses of instruction in physics during his tenure of the scholarship. Value, \$400, tenable for one year.

#### **Levey Scholarship**

For conditions of award see under *Chemistry*.

#### **Science Foundation for Physics Scholarships**

Established in 1981 by an offer of the Science Foundation for Physics within the University of Sydney to provide undergraduate scholarships to recognise excellence in and encourage the further study of Physics within the University.

##### *No. 1 Scholarships*

Up to five scholarships to be awarded annually, on the recommendation of the Head of the School of Physics for proficiency in the course Physics I, provided that the student's work is of sufficient merit and that the student enrolls in Physics II.

Value, \$600.

##### *No. 2 Scholarships*

Up to five scholarships to be awarded annually, on the recommendation of the Head of the School of Physics for proficiency in the course Physics II, provided that the student's work is of sufficient merit and that the student enrolls in Physics III.

Value, \$700.

##### *No. 3 Scholarships*

Up to five scholarships to be awarded annually, on the recommendation of the Head of the School of Physics for proficiency in the course Physics III, provided that the student's work is of sufficient merit and that the student enrolls in Physics IV.

Value, \$800.

#### **Smith Prize**

Founded in 1854, maintained until the year 1885 by annual gifts and subsequently by a bequest of £100 from the Hon. Professor Smith, CMG, MD.

Awarded to the best undergraduate of the first year in Experimental Physics. Value, \$200.

#### **W. I. B. Smith Prize**

The prize was established in 1984 by donations totaling more than \$2000 from students, colleagues and friends of the late Dr W. I. B. Smith, Senior Lecturer in the School of Physics at the University of Sydney from 1963 to 1981.

The prize may be awarded annually on the recommendation of the Head of the School of Physics to the student who best combines the characteristics of experimental skill, proficiency and exceptional motivation in the Third Year laboratory classes, provided the student's work is of sufficient merit.

Value, \$150.

### **Physiology**

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#### **Colin Dunlop Prize**

Established in 1971 by donations from friends and colleagues of the late Associate Professor C. W. Dunlop, of the Department of Physiology.

Awarded annually to the student in the Faculty of Science with the best performance in the course Physiology Honours, provided he is of sufficient merit. Value, \$100.



## Psychology

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### Frank Albert Prize in Psychology

Founded in 1927 by a gift of £50 from Frank Albert of Sydney, to establish an annual prize to be awarded to the student of Psychology II who achieves the highest distinction in the second year course. Value, \$70.

### Australian Psychological Society Prize in Psychology

An annual prize, valued at \$100, donated by the Australian Psychological Society, to be awarded to the student who, being of sufficient merit, has in that year pursued with most distinction the fourth year course or courses in psychology. The prize is to be known as the Australian Psychological Society Prize in Psychology.

### Blanka Buring Prize

An annual prize founded in 1958 by a bequest from the late Blanka Buring.

The prize is awarded for the most outstanding student in the third year pass course in psychology, who is an Arts III student. Value, \$400.

### Lithgow Scholarship, No. V

Awarded at the first year examination for proficiency in Psychology. Value, \$500, tenable for one year.

The scholar is required to attend the course of Psychology II during his tenure of the scholarship.

### Lithgow Scholarship, No. VI

Awarded at the second year examination for proficiency in Psychology II. Value, \$500, tenable for one year.

The scholar is required to attend the course of Psychology III during his tenure of the scholarship.

### Lithgow Scholarship, No. VII

Awarded at the third year examination for proficiency in Psychology III. Value, \$500, tenable for one year.

The scholar is required to attend the honours year in psychology during his tenure of the scholarship.

### Dick Thomson Prize

Established in 1974 by a donation of \$462 from the colleagues and friends of the late R. J. Thomson, MA DipEd, as a memorial to him.

Awarded annually on the recommendation of the head of the Department of Psychology to the best student in Psychology IV provided the performance is of sufficient merit. Value, \$60.

## Statistics

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### Tim Brown prizes

Established in 1966 by a gift of \$250 from Mr and Mrs T. H. Brown to found a prize in memory of their son, T. A. I. Brown, to be known as the Tim Brown Prize. The fund was later increased by further gifts from members of the family.

#### Tim Brown Prize No. 1

Awarded annually to a student in the Faculty of Arts or the Faculty of Science for proficiency in the course Mathematical Statistics II, provided he be of sufficient merit. Value, \$130.

#### Tim Brown Prize No. 2

Awarded annually to a student in the Faculty of Arts or the Faculty of Science for proficiency in the course Mathematical Statistics III, provided he be of sufficient merit. Value, \$210.

### Statistical Society of Australia (New South Wales Branch) Prize in Mathematical Statistics

Established in 1959 by an offer from the Statistical Society of New South Wales to contribute \$20 annually for a prize to be known as the Statistical Society of New South Wales Prize for Statistics. The value of the prize is now \$50 and one year's free membership of the Society.

Awarded annually to the fourth year student in the Faculty of Arts or Science whose work in Statistics, in the opinion of the head of the Department of Mathematical Statistics has been the best throughout the course, provided that the candidate is of sufficient merit.

### Wadsworth Publishers Prize

For conditions see under *Mathematics*.

## Zoology

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### G. S. Caird Scholarship

Awarded for distinction at the third year examination to a student proceeding to the BSc degree with honours in zoology (including entomology).

In the event of there being no suitable student proceeding to fourth year, the scholarship may be awarded to the best second year student proceeding to the third year course in zoology (including entomology) who, in the opinion of the professor, has shown unusual merit in second year work. Value, \$500, tenable for one year.

### Eleanor Chase Memorial Prize

Founded in 1926 by a gift of £50 from subscribers to the Eleanor Chase Memorial Fund, for the foundation of a memorial prize in memory of Miss Eleanor E. Chase, lecturer in zoology.

Awarded annually for proficiency in the course Biology IIE provided the student be of sufficient merit. Value, \$100.

### William John Dakin Memorial Prize in Zoology

Established in 1977 by a bequest of \$2000 from the late Catherine Mary Gladys Dakin in memory of William John Dakin, Professor of Zoology at the University from 1929-47.

Awarded annually on the recommendation of the head of the school of Biological Sciences for excellence in the subject of Zoology to a student gaining first class honours in Biology. Value, \$250.

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# Postgraduate scholarships and prizes

## General information

These awards fall into several categories. Information is provided in this section on Travelling Scholarships (that is, awards which may be held at overseas institutions) and on scholarships which are tenable at the University.

The information is set out in the following order:

- (1) Commonwealth Postgraduate Research Awards and University Postgraduate Research Awards, other awards and appointments made by the University Research Committee and Commonwealth Postgraduate Course Awards.
- (2) Graduate scholarships and prizes awarded by the University.
- (3) Travelling scholarships awarded by the University.
- (4) Graduate scholarships and prizes awarded by external bodies, including those tenable overseas and those tenable at the University.

It should be noted that in category 1 above, scholarships are available to graduates in any faculty. In category 2 unrestricted awards and those tenable by graduates in various faculties are listed first, then awards restricted to one faculty or subject.

## (1) GENERAL RESEARCH AND COURSE AWARDS

### University Research Grant

*Research Appointments:* The Research Committee, which is a committee of the Academic Board (see By-laws, Chapter XIXc), being responsible for the encouragement of scholarship and research within the University, each year makes recommendations to the Vice-Chancellor regarding the allocation of funds under the University Research Grant for research projects and the appointment of research staff. The University Research Grant is provided from general University funds for research in the humanities and the biological, physical, and social sciences.

Funds are allocated on the recommendation of the *Committee for departmental projects in respect of research equipment, travelling expenses, special maintenance and the appointment of technical assistants.*

*Postdoctoral research fellows:* Subject to the availability of funds, the Research Committee may award Postdoctoral Fellowships under the following conditions: Postdoctoral research fellows shall normally hold a PhD degree or have research publications revealing equivalent status. Fellowships are tenable for

one year but tenure may be extended for a second year. Salary will be in the range \$22 614–\$23 274 (per annum). For Fellows coming from overseas there may be an additional travel grant to cover economy class air travel by the most direct route and the most economical rate available at the time with a similar grant for the travel of the spouse. Corresponding grants may be made for return travel. An expenses grant up to \$1200 in any one year may be made available to the department in which a fellowship is held.

### Commonwealth and University Postgraduate Research Awards

Towards the end of each year applications are invited for Commonwealth Postgraduate Research Awards and University Postgraduate Research Awards tenable at the University. Applications are to be submitted on the prescribed form to the Registrar.

These awards are made available by funds from two different sources but are almost identical in other respects. The Commonwealth Government provides each year a number of Postgraduate Research Awards, which are subject to income tax. Ninety awards were allocated to the University for tenure in 1986. University Postgraduate Research Awards are supported by funds from the University. Seventeen such awards were awarded for tenure in 1986.

### Commonwealth Postgraduate Research Awards

These awards are made without a means test and are open to all graduates who are Australian citizens or to persons from overseas who have permanent resident status. This provision includes Australian graduates who are temporarily resident overseas.

The awards are for postgraduate research in Australian universities and the holder should be proceeding to a higher degree. The awards are available only to students who have had four years' undergraduate training, or three years' undergraduate followed by a year of graduate training, and who in the last year of their course have obtained honours Class II Division I or equivalent qualification.

The awards are made initially for one year but may be renewed for a second, third, and even fourth year.

The awards offer a stipend of \$8126 p.a. plus certain allowances.

The holder of the award must carry out full-time research within the University, and will be required to furnish, through the head of the department, a report on the holder's work at the end of each year's tenure.

Conditions of award for Commonwealth Postgraduate Research Awards are set out in a booklet published by the Commonwealth Department of Education and available from the Registrar.

### University Postgraduate Research Awards

1. Graduates, or graduands, of any Australian or overseas university are eligible to apply.
2. The Awards are for postgraduate study in any field approved by the University.
3. Research students shall be graduates with first class honours degrees or equivalent qualifications; they shall carry out, under the supervision of the head of the department or a member of staff, a programme of full-time advanced study and research, normally leading to a higher degree.
4. The appointment shall terminate, in the first instance, on 31 December, but on the recommendation of the head of the department concerned, shall be renewable annually, provided that the tenure shall not exceed two years in the case of a candidate for a master's degree, or three years in the case of a candidate

for the degree of PhD. In special circumstances, the maximum tenure may be extended for a fourth year in the case of a PhD candidate.

5. The stipend is \$7100 per annum. A married research student will receive a dependants' allowance (paid fortnightly) at the rate of \$2220.40 per annum for a dependent spouse and \$832 per annum for each dependent child. An incidentals allowance of \$100 will also be paid.

#### *Travel allowance to Australia*

Assistance up to a total of A\$2000 is available towards the cost of a return economy airfare to Australia (by the most direct route) to applicants living overseas at the time of offer of an award. Australian citizens who are eligible to apply for these awards may receive assistance up to a total of A\$1000 towards the cost of an economy airfare to Australia.

A travel allowance for travel within Australia up to a maximum equal to the economy class air fare at student or other concession rate, if applicable, may be paid to a research student for travel to undertake research at the University of Sydney, if he or she has normally resided in another town or city *within Australia*. A travel allowance within Australia for dependants at concession rates where available, may also be payable.

6. A research student may claim reimbursement of an amount of up to \$250 to assist with costs for a master's thesis and up to \$400 for a PhD thesis. The claim should be lodged with the Registrar immediately after the thesis is submitted and not later than 24 months after the termination of the studentship.

7. The research student shall, where appropriate, be required to pay an annual subscription to the Students' Union.

8. If the research student undertakes, in addition to his research work, any teaching assistance, he shall receive additional remuneration. Such teaching assistance shall be confined to the research student's branch of the subject and shall not in any case exceed six hours per week, or 180 hours per annum. The giving of such teaching assistance shall not be regarded as an obligation under the conditions of the research scholarship.

9. The research student shall be responsible to the head of the department concerned who will provide for such supervision as may be deemed necessary.

10. The awards, save in quite exceptional circumstances, shall be tenable only at the University.

11. Sick leave entitlements shall be equivalent to the sick leave entitlements granted to holders of Commonwealth Postgraduate Awards under the Student Assistance Regulations.

12. The research student shall be required to prepare a report of his work during the year, together with a list of any publications, for submission to the Registrar by 1 October.

#### **Commonwealth Postgraduate Course Awards**

1. The Commonwealth Government provides each year a number of Postgraduate Course Awards. Throughout Australia 140 awards were available for first year tenure in 1986.

2. The awards are made for postgraduate study in approved courses leading to the degree of Master at Australian universities. They are not available for postgraduate research degrees.

3. The awards are available to Australian citizens, whether resident in Australia or overseas at the time of application. They are also available to students from overseas who have permanent resident status in Aus-

tralia and who declare their intention to remain in Australia after completion of their studies under their awards. Such students must be resident in Australia at the time of making application.

4. Applicants are expected to have an undergraduate record at better than pass level. Consideration may be given to applicants whose records do not meet this standard but who have shown evidence of special capacity in their subsequent employment.

5. An award holder is expected to commence study at the beginning of the academic year and to complete his course in the minimum time. Scholarship benefits are continued for the duration of the scholar's course subject to his making satisfactory progress.

6. Award holders will receive a taxable living allowance of \$8126 per academic year. A married award holder will receive a dependants' allowance (paid fortnightly) at the rate of \$2220.40 per annum for a dependent spouse and \$832 per annum for each dependent child.

In certain circumstances a travel allowance and an establishment allowance may be paid to a student obliged to move *within Australia* to take up the award. An incidentals allowance of \$100 will also be paid.

7. An award holder may claim reimbursement of an amount of up to \$250 to assist with thesis costs.

8. An award holder may, with the approval of the university, engage in a limited amount of part-time employment provided that such employment does not interfere with his study programme and does not exceed six hours in any one week of the academic year. During the short vacations in the academic year, an award holder is expected to devote himself full-time to his studies. Where the course extends over two academic years, an award holder is free to take up employment during the long vacation.

9. All intending applicants are requested, before submitting their applications, to consult the head of the university department in which they propose to study and to make sure that their proposed course is considered an appropriate course to be taken under a Commonwealth Postgraduate Course Award.

## **(2) POSTGRADUATE SCHOLARSHIPS AND PRIZES AWARDED BY THE UNIVERSITY**

### **Various faculties**

#### **Baillieu Research Scholarship**

Established in 1954 under the provisions of the Repatriation Fund (Baillieu Gift) Act, 1937, from a portion of the gift originally made by the Messrs Baillieu for assisting permanently and totally incapacitated ex-servicemen from the 1914-1918 World War. The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Baillieu Research Scholarship.
- (2) The object of the scholarship is to enable travel outside Australia for the purpose of research.
- (3) The scholarship is open to:
  - (a) full-time postgraduate students currently enrolled in the University of Sydney for whom it is academically desirable to spend time outside Australia as part of their candidature; and
  - (b) graduates of the University of Sydney who proceed outside Australia to undertake re-

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search work and who are unable to meet the total costs from other funds, which may include travelling scholarships or travel grants.

(4) Holders of the scholarship will be required to undertake studies or research in some place or places approved by the Academic Board.

(5) The scholarship shall be up to a maximum of \$500. There may be more than one award each year.

(6) The scholarship shall be awarded by the Academic Board on the recommendation of the committee appointed by the Academic Board to consider travelling scholarships.

#### **Barker Graduate Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **Harriett Beard Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **Ferdinand Joland Austin and Andreas Brummer Scholarship**

The scholarship was established in 1979 by a bequest from Mrs Joland Brummer. The fund created by the bequest, which was in excess of \$60 000, is administered by trustees. The purpose of the bequest was to establish and maintain scholarships, each to be called the Ferdinand Joland Austin and Andreas Brummer Scholarship. The bequest stipulated that the scholarships were to be tenable at the Technion University, Haifa, or at the Hebrew University of Jerusalem, only. Scholarships tenable at the latter institution were to be for the purpose of medical research in association with the Hadassa Hospital in Jerusalem. The scholarships may be awarded to graduates of, or students enrolled in degree or diploma programmes at the University of Sydney. The bequest allowed for awards to be offered to graduates or students of any other Australian university or tertiary institute in the event of there being no suitable applicants from the University of Sydney. The bequest stipulated that each scholarship should have a minimal annual value of \$1000, although in 1983 it was first awarded with a stipend of \$10 500 per annum and allowances.

The scholarship is awarded in accordance with the terms of the bequest under the following conditions.

(1) The scholarship shall be awarded on the basis of academic merit and appropriateness of the proposed programme of study.

(2) A scholarship may be awarded to —

(a) an applicant who is admitted to candidature for a bachelor's degree in the Technion University, Haifa;

(b) an applicant who is admitted to candidature for a postgraduate degree or diploma in the Technion University, Haifa; or

(c) an applicant who proposes to undertake a programme of study and research at the Technion University, Haifa, or a programme of medical study and research at the Hebrew University of Jerusalem in association with the Hadassa Hospital.

(3) (a) A scholarship awarded to an applicant as defined in Clauses 2(a) and (b) shall be tenable for one year in the first instance but may be renewed from year to year subject to progress satisfactory to the Chairman of the Academic Board.

(b) A scholarship awarded to an applicant as defined in Clause 2(c) shall normally be tenable for up to one year.

(4) The scholarship shall be awarded by the Academic Board on the advice of the committee appointed to consider applications for travelling scholarships.

(5) The value of the scholarship shall be determined by the Selection Committee which shall take into account the annual income of the fund and ongoing expenditure, as advised by the trustees.

#### **H. S. Carslaw Memorial Scholarship**

Established in 1982 after a bequest of £2000 in 1955 from the late Professor H. S. Carslaw, for the purpose of strengthening the educational connection between the University of Sydney and Emmanuel College within the University of Cambridge.

(1) The name of the scholarship shall be the H. S. Carslaw Memorial Scholarship.

(2) The object of the scholarship is to assist travel to Emmanuel College, within the University of Cambridge, for the purposes of research.

(3) The scholarship is open to:

(a) full-time postgraduate students currently enrolled in the University of Sydney for whom it is academically desirable to spend time outside Australia as part of their candidature; and

(b) graduates of the University of Sydney who proceed outside Australia to undertake research work and who are unable to meet their total costs from other funds, which may include travelling scholarships or travel grants.

(4) Holders of the Scholarship will be required to prosecute studies or research at Cambridge University, as a member of Emmanuel College.

(5) The maximum amount of the scholarship shall be \$2500. There may be more than one award each year.

(6) The scholarship shall be awarded by the Academic Board on the recommendation of a committee appointed by the Academic Board to consider travelling scholarships.

(7) Applications shall be made to the Registrar by 31 May each year.

#### **Noel Chettle Prize for Art**

For conditions of award see under *Undergraduate scholarships and prizes*.

#### **Frank Coaldrake Scholarship**

Established in 1981 by the donation of the capital of the Frank Coaldrake Memorial Fund for the purpose of establishing a scholarship in memory of the Reverend Canon Frank William Coaldrake, who was archbishop-elect of Brisbane but who died before being consecrated as archbishop. The object of the scholarship is to encourage studies on any topic pertinent to countries in East Asia and Melanesia, a geographical area in which the Reverend Canon Frank Coaldrake had a strong personal interest. He had a particular interest in Japan.

The scholarship is awarded under the following conditions.

(1) The scholarship shall be known as the Frank Coaldrake Scholarship.

(2) The scholarship may be awarded to a third or fourth year undergraduate or to a postgraduate student of the University of Sydney who is en-

rolled for a degree or diploma in the Faculties of Arts, Economics or Law.

(3) The scholarship shall be awarded by the Academic Board on the recommendation of the committee appointed by the Academic Board to consider applications for travelling scholarships.

(4) The committee shall take into account each applicant's academic record and the merit of the proposed programme of study or research.

(5) The scholarship may be held in conjunction with any other award and may be in the form of a supplementary living allowance, a travel grant or grant-in-aid.

(6) The scholarship has a maximum value of \$1000.

#### **Charles Herbert Currey Memorial Scholarships**

For conditions of award see under *Travelling Scholarships* section.

#### **DBH Scholarships**

Three Scholarships were established in 1983 by a series of donations amounting to approximately \$80 000 from Dr Robin J. Helby, a graduate of the University of Sydney. The scholarships were established in memory of Dr Helby's mother, and were to be known as the DBH Scholarships. It was Dr Helby's express wish that one scholarship was to be open to German nationals for research in any field; one was to be for research in the field of geology and geophysics; and one was to be for research in the area of the social effects of alcoholism and primarily open to sociologists. Dr Helby expressed the wish that holders of the scholarship in Geology and Geophysics would enter industry on completion of their studies. The scholarships are awarded under the following conditions.

##### ***DBH Scholarship for German Nationals***

1. The object of the scholarship is to promote and encourage postgraduate research within any faculty of the University of Sydney.

2. The scholarship shall be open to graduates who are German nationals and who are eligible for admission to candidature for a higher degree by research and who enrol accordingly and as full-time candidates.

3. The scholarship shall be awarded on the basis of academic merit and appropriateness of the proposed programme of research to the department concerned.

4. The scholarship shall be awarded by the Academic Board on the advice of the committee appointed by the Academic Board to consider applications for postgraduate awards.

5. The scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year and, in the case of a PhD candidate, for a third year.

6. (a) The scholarship shall have an annual value of \$8000.

(b) The scholarship shall provide allowances equivalent to those provided by the Commonwealth Postgraduate Award Scheme.

(c) The scholarship may provide an annual maintenance allowance of up to \$1500 to be administered by the head of department in which the research is conducted.

(d) The scholarship may provide return economy class air travel to a maximum of \$2000 for an award holder who is required to move to Sydney in order to hold the award.

##### ***DBH Scholarship in Geology and Geophysics***

1. The object of the scholarship is to encourage

suitably qualified graduates to undertake postgraduate research in the Department of Geology and Geophysics.

2. The scholarship shall be open to graduates who have qualified for the award of the degree of Bachelor of Science with first class honours or second class honours division 1, or who hold an equivalent qualification.

3. Holders of the scholarship will be required to enrol as full-time candidates for a higher degree by research.

4. The scholarship shall be awarded on the basis of academic merit and appropriateness of the proposed programme of research to the Department of Geology and Geophysics.

5. The scholarship shall be awarded by the Academic Board on the advice of the committee appointed by the Academic Board to consider applications for postgraduate awards.

6. The scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year and, in the case of a PhD candidate, for a third year.

7. (a) The scholarship shall have an annual value of \$8000.

(b) The scholarship shall provide allowances equivalent to those provided by the Commonwealth Postgraduate Award Scheme.

(c) The scholarship may provide an annual maintenance allowance of up to \$1500 to be administered by the head of department in which the research is conducted.

(d) The scholarship may provide economy class air travel to a maximum of \$2000 for an award holder who is required to move to Sydney in order to hold the award.

##### ***DBH Scholarship in the Social Effects of Alcoholism***

1. The object of the scholarship is to promote and encourage postgraduate research in the University of Sydney on the subject of the social effects of alcoholism.

2. The scholarship shall be open to graduates who are eligible for admission to candidature for a higher degree by research and who enrol accordingly and as full-time candidates.

3. The scholarship shall be awarded on the basis of academic merit and appropriateness of the proposed programme of research to the department concerned.

4. The scholarship shall be awarded by the Academic Board on the advice of the committee appointed by the Academic Board to consider applications for postgraduate awards.

5. The scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year and, in the case of a PhD candidate, for a third year.

6. (a) The scholarship shall have an annual value of \$8000.

(b) The scholarship shall provide allowances equivalent to those provided by the Commonwealth Postgraduate Award Scheme.

(c) The scholarship may provide an annual maintenance allowance of up to \$1500 to be administered by the head of department in which the research is conducted.

(d) The scholarship may provide economy class air travel to a maximum of \$2000 for an award holder who is required to move to Sydney in order to hold the award.

*The award shall be made subject to availability of funds and only one award shall be made at any one time.*

### ENI-Enrico Mattei Scholarship

The scholarship was established in 1985 by the offer of an annual donation of \$8000 for three consecutive years in the first instance by the ENI Group (foundation Governors of the Frederick May Foundation for Italian Studies) to establish a scholarship in memory of Enrico Mattei, the founder and first President of ENI. The purpose of the establishment of the scholarship is to provide opportunities for outstanding graduates of the University to continue their education in a field relevant to the interests of ENI.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the ENI-Enrico Mattei Scholarship.
- (2) The object of the scholarship is to enable graduates of the University of Sydney to carry out advanced study and research as candidates for higher degrees at institutes either in Australia or overseas, preferably, but not exclusively, in the areas of earth sciences, engineering, business, law, economics and political science.
- (3) The scholarship shall be open to graduates of the University of Sydney who, on application, will have qualified for the first degree appropriate to the proposed course of study no more than four years previously.
- (4) The scholarship shall be awarded by the Council of the Frederick May Foundation on the recommendation of a committee consisting of the Director, a representative of ENI in Australia and the Deans or nominees of the Deans of the Faculties of Arts, Economics, Law, Engineering and Science and of any other faculties in which an applicant graduated.
- (5) The scholarship shall be awarded on the basis of academic merit and on the relevance of the proposed plan of study.
- (6) The scholarship shall be tenable for one year in the first instance but is renewable annually, subject to satisfactory progress, to a maximum tenure of three years.
- (7) The scholarship shall have an annual value of \$8000.

### Thomas and Ethel Mary Ewing Scholarships in Education'

Established in 1964 by a bequest from Dr Thomas Ewing to establish and maintain a travelling research scholarship or scholarships to be known as the Thomas and Ethel Mary Ewing Scholarship or Scholarships, to be awarded to graduates of the University in the Faculty of Medicine and of the Sydney Teachers' College, in rotation. In 1981 the Sydney Teachers' College amalgamated with certain inner city colleges to form the Sydney College of Advanced Education. The scholarship in Education is awarded under the following conditions:

- (1) The name of the scholarships shall be Thomas and Ethel Mary Ewing Scholarships in Education.
- (2) The scholarships shall be awarded to persons who have completed a teacher training course at the former Sydney Teachers' College within the University of Sydney to enable them:
  - (a) to carry out study or research in education in an appropriate institution or institutions:
  - OR
  - (b) to study educational developments and practices in such states or countries as shall be

approved from time to time by the Academic Board of the University of Sydney on the advice of a committee referred to in Clause 5;

OR

- (c) to be brought back to Sydney from overseas in order to give a course of advanced lectures in the University of Sydney in an appropriate field of education.
- (3) The value of each scholarship shall be at the rate of not less than \$2500 per annum and not more than \$5000 per annum.
- (4) The scholarship shall be awarded for a period of up to one year in the first instance, but may be renewed for a second or third year.
- (5) The scholarships shall be awarded by the Academic Board of the University of Sydney on the advice of a committee consisting of the Chairman of the Academic Board, the Director and Deputy Director of the Sydney Institute of Education and the Dean of the Faculty of Arts, or their nominees, and the Professors of Education.
- (6) No scholar holding these awards shall be permitted, without the approval of the Vice-Chancellor, to occupy any salaried position or to undertake any employment for payment during the tenure of the scholarships.
- (7) The scholar shall continue to hold one or other of these scholarships in accordance with the above conditions only so long as his work is considered to be satisfactory by the committee referred to in Clause 5.
- (8) The number of scholarships offered and the conditions governing the award of the scholarships may be varied from time to time by the Academic Board on the recommendation of the committee referred to in Clause 5.

### Henry Bertie and Florence Mabel Gritton Research Scholarships

Under the will of Henry Bertie Gritton the residuary estate was left to the University to be invested and the income to be applied as determined by the Senate 'in or towards promotion of the knowledge and study of Chemistry in relation to Industry and Agriculture, including Chemistry connected with Electrical Engineering, Metallurgical Chemistry and Chemistry in its application to Mining and the winning and treatment of minerals and natural products of the soil'.

In 1953 his widow, Florence Mabel Gritton, bequeathed her estate to the University 'as an addition to the bequest made by her late husband so that their two names could be united in the gift'.

In 1957 the capital amount of £60 243 was received from the two estates.

In 1957 the Senate resolved to use the fund to establish the Henry Bertie and Florence Mabel Gritton Postgraduate Research Scholarships which are awarded under the following conditions:

- (1) Each scholarship shall be named a Henry Bertie and Florence Mabel Gritton Research Scholarship.
- (2) The object of the scholarships is to promote the knowledge and study of Chemistry in relation to Industry and Agriculture.
- (3) The scholarships may be awarded at postdoctoral or postgraduate levels and shall be tenable at the University of Sydney only.
- (4) The scholarships shall be awarded on the basis of academic merit and appropriateness of proposed programmes of research in relation to the terms of the bequest and to the department concerned.

\* Continued viability of this award will be reviewed in 1991.

(5) The scholarships shall be open to graduates of universities which are members of the Association of Commonwealth Universities, or graduates of any university but who are citizens of a Commonwealth country.

(6) (a) A postdoctoral scholarship may be awarded only to an applicant who holds the degree of Doctor of Philosophy or who possesses such equivalent standing as may be approved by the Academic Board.

(b) A postgraduate scholarship may be awarded only to an applicant who is eligible for admission to candidature for a higher degree by research and who enrolls accordingly.

(7) (a) A scholarship at postdoctoral level shall be equal in value to the third and fourth steps of the scale for University of Sydney Postdoctoral Research Fellowships.

(b) A scholarship at postgraduate level shall be valued at \$10 500 per annum.

(c) A scholarship shall provide a research maintenance allowance of \$1500 per annum to be administered by the head of the Department in which the research is conducted.

(8) For holders coming from overseas, the scholarship shall provide a travel grant equivalent to economy class air travel by the most direct route and the most economical rate available at the time. A corresponding grant may be made for return travel.

(9) (a) A postdoctoral scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year.

(b) A postgraduate scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year, and in the case of a PhD candidate a third, and in exceptional circumstances, a fourth year.

(10) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board and the Deans of the Faculties of Agriculture, Engineering and Science and the head of the School of Chemistry, or their nominees.

#### **Henry Bertie and Florence Mabel Gritton Supplementary A Scholarships**

The scholarships were established in 1983 with funds drawn from the bequests of Florence Mabel Gritton and Henry Bertie Gritton. The scholarships are awarded under the following conditions, in accordance with the terms of the bequests.

(1) Each scholarship shall be named a Henry Bertie and Florence Mabel Gritton Supplementary Scholarship.

(2) The scholarships shall be open to graduates of universities which are members of the Association of Commonwealth Universities, or graduates of any university but who are citizens of a Commonwealth country.

(3) (a) The scholarships may be awarded only to persons who hold a bachelor's degree with Honours Class I and a University Medal, or who possess an equivalent qualification.

(b) The scholarships may be awarded only to holders of postgraduate research awards who are pursuing studies in Chemistry in relation to Industry and Agriculture.

(4) The scholarships may be renewed from year

to year subject to renewal of the postgraduate research award referred to in section 3(b).

(5) The scholarships shall be awarded by the Academic Board on the recommendation of a Committee consisting of the Chairman of the Academic Board, the Deans of the Faculties of Agriculture, Engineering and Science and the Head of the School of Chemistry, or their nominees.

(6) The value of each scholarship shall be determined by the Selection Committee, up to a value of \$5000 per annum.

#### **Charles Gilbert Heydon Travelling Fellowship in the Biological Sciences**

Founded in 1956 by a gift of £35 000 from Mr G. A. M. Heydon, MB ChM, a former lecturer in Parasitology in the School of Public Health and Tropical Medicine, in memory of his father, Mr Justice Charles Gilbert Heydon, who presided for many years over the Industrial Arbitration Court of New South Wales. He had been President of the Board of Trade, Attorney-General and a Member of the Legislative Council of New South Wales. He was a Fellow of St John's College in the University of Sydney. The fellowship is awarded under the following conditions:

(1) The name of the Fellowship shall be the Charles Gilbert Heydon Travelling Fellowship in the Biological Sciences.

(2) The object of the fellowship shall be to enable graduates who have been engaged within the University in postgraduate research in one of the Biological Sciences to undertake research in the Biological Sciences at overseas institutions approved by the Academic Board.

(3) The fellowship shall be of a value not exceeding \$10 500 per annum including an allowance for travelling and other expenses and the amount shall be payable half-yearly in advance.

(4) The fellowship shall be tenable for one year in the first instance but may be renewed for a second year, and, in exceptional circumstances, for a third year.

(5) The fellowship shall be awarded by the Academic Board, provided always that there be an applicant of sufficient merit, on the recommendation of a committee consisting of the Chairman of the Academic Board and the Deans of the Faculties of Medicine, Science, Dentistry, Veterinary Science and Agriculture.

(6) Each fellow shall submit to the Registrar half-yearly a written report on the progress of his research and the tenure of the fellowship shall be subject to these reports being judged to be satisfactory. At the conclusion of the tenure of the fellowship each fellow shall submit a report embodying the results of his research.

(7) The fellowship shall not normally be awarded to a graduate of more than four years' standing from his first degree in any of the Faculties concerned, except in the Faculty of Medicine for graduates who have taken a degree in Science or Medical Science, in which case the graduate should not normally be of more than seven years' standing from his first degree.

(8) The fellowship shall not normally be awarded to a graduate of more than 30 years of age.

Applications for the fellowship should be lodged with the Registrar.

#### **Herbert Johnson Travel Grants**

Under the will of the late Herbert Johnson in 1937, the whole of his estate was bequeathed to his widow for

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life, and the income from certain portions to be paid to certain beneficiaries for their life, with the remainder upon their respective deaths to the Senate of the University. Mrs Johnson died in 1952 but was predeceased by two of the four successive life tenants, and accordingly half the estate was transferred to the University amounting to £5460.

In 1953 the Senate decided that this amount should be used to establish travel grants and that when the whole of the estate is available to the University further consideration will be given to the use of the fund.

Travel grants are awarded under the following conditions:

The income from the Herbert Johnson Fund is available for payment to graduates of the University of Sydney who proceed overseas to undertake research work and who are unable to meet their total costs from other funds.

Grants may be made to graduates where they hold travelling scholarships or other travel grants and shall be made for the purpose of travel to or from Australia or from one place of research to another while overseas or for expenses in connection with their work provided that the maximum amount payable to any person from the fund in any year shall be \$1000.

Grants from the fund shall be made by the Academic Board on the recommendation of the Committee appointed to consider Travelling Scholarships.

Applications shall be made to the Registrar by 31 May each year.

#### **James King of Irrawang Scholarship**

Founded in 1888 by a bequest of £1000 sterling from William Roberts of Penrith, for the foundation of a scholarship or scholarships in memory of the late James King of Irrawang, near Raymond Terrace. The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the James King of Irrawang Travelling Scholarship.
- (2) The object of the scholarship is to enable travel outside Australia for the purposes of research.
- (3) The scholarship is open to:
  - (a) full-time postgraduate students currently enrolled in the University of Sydney for whom it is academically desirable to spend time outside Australia as part of their candidature; and
  - (b) graduates of the University of Sydney who proceed outside Australia to undertake research work and who are unable to meet their total cost from other funds, which may include travelling scholarships or travel grants.
- (4) Holders of the scholarships will be required to prosecute studies or research during the tenure of the scholarship to the satisfaction of the Academic Board in some place or places approved by the Board.
- (5) The maximum amount of the scholarship shall be \$1000. There may be more than one award each year.
- (6) The scholarships shall be awarded by the Academic Board on the recommendation of a committee appointed by the Academic Board to consider travelling scholarships.
- (7) Applications shall be made to the Registrar by 31 May each year.

#### **G. H. S. and I. R. Lightoller Scholarship**

Established in 1948 by a bequest of £10 000 from the

late Dr G. H. S. Lightoller, MD ChM, for many years an honorary demonstrator in anatomy. The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the G. H. S. and I. R. Lightoller Scholarship.
- (2) The object of the scholarship is to promote and encourage research work by graduates in the Faculties of Agriculture, Arts, Engineering, Medicine, Science and Veterinary Science and to provide where necessary funds for the publication of papers embodying the research work of such graduates.
- (3) The scholarship is open to students enrolled for a higher degree in the Faculties of Agriculture, Arts, Engineering, Medicine, Science or Veterinary Science:
- (a) for whom it is academically desirable to spend time outside Australia as part of their candidature and who are unable to meet the total costs from other funds, or
- (b) who require assistance with the publication of papers embodying the results of their research.
- (4) Holders of the scholarship who proceed overseas will be required to undertake studies or research in some place or places approved by the Academic Board.
- (5) The scholarship shall be up to a maximum of \$1000. There may be more than one award each year.
- (6) The scholarship shall be awarded by the Academic Board on the recommendation of the committee appointed by the Academic Board to consider travelling scholarships.

#### **F. H. Loxton Postgraduate Studentships**

Established in 1960 under the will of the late F. H. Loxton, who bequeathed a portion of the income from his residuary estate to the University for the purpose of establishing and maintaining studentships and/or scholarships tenable in the Faculties of Veterinary Science, Agricultural Science and Engineering, in particular in the Department of Chemical Engineering. A studentship is available in each of the foregoing faculties.

The studentships are awarded under the following conditions:

- (1) The name of the studentships shall be the F. H. Loxton Postgraduate Studentships.
- (2) The object of the studentships shall be to enable a male graduate of any university to engage in postgraduate research within the University of Sydney in the Faculties of Veterinary Science and Agriculture and in the Department of Chemical Engineering.
- (3) The studentships tenable in the Faculties of Agriculture and Veterinary Science are of the annual value of \$6500, and the studentship tenable in the Department of Chemical Engineering is of the annual value of \$10 500. In addition, an amount may be approved by the appropriate committee to cover expenses incurred by or on behalf of a student.
- (4) The studentship shall be tenable for one year in the first instance and may be renewed for a second year or a third year, and in exceptional circumstances for a fourth year.
- (5) The studentship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board and



- (a) in respect of a studentship in the Faculty of Veterinary Science, the Dean of the Faculty of Veterinary Science and heads of departments within the Faculty; and
- (b) in respect of the studentship in the Department of Chemical Engineering, the Dean of the Faculty of Engineering and the head of the Department of Chemical Engineering.

In respect of a studentship in the Faculty of Agriculture, the studentship shall be awarded by the Academic Board acting on the recommendation of the Faculty of Agriculture.

- (6) A studentship may be held by a person of any age.
- (7) Each student shall submit to the Registrar half-yearly a written report on the progress of his research and the tenure of the studentship shall be subject to these reports being judged to be satisfactory. At the conclusion of the tenure of the studentship each student shall submit a report embodying the results of his research.

#### **Richard Claude Mankin Scholarship**

Established in 1973 by a bequest, with an estimated value of \$185 000, comprising the residual estate of Winifred Roby Mankin, MSc MB BS. The purpose of the bequest was to promote and encourage research at the University of Sydney related to water conservation. This purpose is to be achieved through the establishment of a scholarship to be known as the Richard Claude Mankin Scholarship. The scholarship shall be awarded under the following conditions.

- (1) The scholarship may be awarded at postdoctoral or postgraduate levels and shall be tenable at the University of Sydney only.
- (2) The scholarship shall be awarded on the basis of academic merit and appropriateness of the proposed programme of research.
- (3) (a) A postdoctoral scholarship may only be awarded to an applicant who holds the degree of Doctor of Philosophy or who possesses such equivalent standing as may be approved by the Academic Board.
- (b) A postgraduate scholarship may only be awarded to an applicant who is admitted to candidature for a higher degree by research and who enrolls accordingly.
- (4) (a) A scholarship at postdoctoral level shall be equal in value to the third and fourth steps of a University of Sydney Postdoctoral Research Fellowship.
- (b) A scholarship at postgraduate level shall be valued at \$10 500 per annum.
- (c) The scholarship shall provide a research maintenance allowance of \$1500 per annum.
- (5) The scholarship shall provide a travel grant for holders coming from overseas equivalent to economy class air travel by the most direct route and the most economical rate available at the time. A corresponding grant may be made for return travel.
- (6) (a) A postdoctoral scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year.
- (b) A postgraduate scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year, and in the case of a PhD candidate a third, and in exceptional circumstances a fourth year.

(7) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board and the Deans of the Faculties of Agriculture, Architecture, Economics, Engineering, Science and Veterinary Science or their nominees.

#### **William and Catherine McIlrath Scholarship**

Established in 1983 by the offer of an annual donation of \$25 000 by Mrs Helen Selle to establish a scholarship in memory of her parents, William and Catherine McIlrath, who had a long association with the University of Sydney. William McIlrath was, for many years, a member of the Board of Royal Prince Alfred Hospital.

The purpose of the establishment of the scholarship was to provide an opportunity for outstanding graduates of the university to continue their education overseas. It was the expressed wish of Mrs Selle that holders of the scholarship would return to Australia after completing their course of study so that the benefits of the scholarships would flow on to the community at large.

The scholarship is awarded under the following conditions.

- (1) The name of the scholarship is the William and Catherine McIlrath Scholarship.
- (2) The object of the scholarship is to enable graduates of the University of Sydney to carry out advanced study and research as candidates for higher degrees at institutions outside Australia. It is expected that those awarded scholarships would return to Australia on completion of their studies.
- (3) The scholarship may only be awarded to graduates of the University of Sydney who are of not more than four years' standing from qualifying for the first degree appropriate to the proposed course of study overseas.
- (4) The scholarship shall be awarded by the Academic Board on the advice of a Selection Committee comprising the committee of the Academic Board appointed to consider travelling scholarship applications, and the donor or her nominee.
- (5) The scholarship shall be awarded taking into consideration the following criteria:
  - (a) scholastic achievement;
  - (b) ability to communicate both orally and in writing; and
  - (c) appropriateness of the applicant's proposed plan of study.

The Selection Committee shall also take into account motivation and the prospect each applicant has of achieving the stated goals.

- (6) (a) The scholarship shall be tenable for up to two years but in exceptional circumstances may be renewed for a third year.
- (b) Renewal shall be subject to progress at the end of each year of candidature to the satisfaction of the Selection Committee.
- (7) The scholarship shall have an annual value of \$25 000, which shall provide for a stipend, a grant for fees, and an allocation for travel and research expenses.

#### **A. E. and F. A. Q. Stephens Scholarship**

Francis Allan Quintin Stephens bequeathed his residuary estate to the University of Sydney for the purpose of supporting research work in any faculty of the University. Assets of the estates of both Francis Stephens and his wife Alice totalled £19 740, and this

sum was handed over to the University in 1952. In 1953 the Senate resolved to use the fund to support a post-graduate research award.

The scholarship is now awarded under the following conditions.

- (1) The scholarship shall be named the A. E. and F. A. Q. Stephens Scholarship.
- (2) The object of the scholarship is to promote and encourage postgraduate research work within any faculty of the University of Sydney.
- (3) The scholarship shall be open to graduates who are eligible for admission to candidature for a higher degree by research and who enrol accordingly as full-time candidates.
- (4) The scholarship shall be awarded on the basis of academic merit and appropriateness of the proposed programme of research.
- (5) The scholarship shall be awarded by the committee appointed by the Academic Board to consider applications for Commonwealth and University of Sydney postgraduate awards.
- (6) The scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year, and in the case of a PhD candidate for a third, or in exceptional circumstances, a fourth year.
- (7) (a) The scholarship shall have an annual value of \$10 500.  
(b) The scholarship shall provide allowances equivalent to those provided by the Commonwealth Postgraduate Award Scheme.  
(c) The scholarship may provide an annual research maintenance allowance of up to \$1500, to be administered by the head of the department in which the research is to be conducted.  
(d) The scholarship may provide return economy class air travel for an award holder, to a maximum of \$2000.

#### **Walter Merish Strong Scholarships**

For conditions of award see under *Undergraduate scholarships and prizes*.

#### **University of Sydney Postgraduate Research Travelling Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **J. B. Watt Travelling Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **Eleanor Sophia Wood Travelling Fellowships**

Eleanor Sophia Wood, who died in 1962, bequeathed her residuary estate to the University for the promotion and encouragement of education including the establishment of bursaries, scholarships and prizes.

In December 1962 the Senate decided to use part of the annual income from the bequest to establish travelling fellowships.

Each fellowship is awarded under the following conditions.

- (1) Each fellowship shall be named an Eleanor Sophia Wood Travelling Fellowship.
- (2) The object of the fellowships is to support travel outside Australia for the purpose of advanced study or research.
- (3) The fellowships shall be tenable for overseas study only.

(4) The fellowships shall be open to persons who have been engaged full time for at least three years in teaching or postgraduate research in the University of Sydney.

(5) Each fellowship may be held for a minimum period of six months and a maximum period of twelve months.

(6) The value of a fellowship shall be \$10 500 for the maximum period of twelve months and pro rata for shorter periods.

(7) More than one fellowship may be awarded in any one year provided that the total value of all fellowships awarded shall not exceed \$21 000 per annum.

(8) No one person may hold more than one fellowship.

(9) The fellowships shall be awarded by the Academic Board on the advice of the committee appointed by the Academic Board to consider applications for travelling scholarships.

(10) The committee shall take into account the merit of the applicants and of the proposed projects of advanced study or research.

### **Faculty of Agriculture**

#### **Thomas Lawrance Pawlett Scholarships**

Dr Thomas Lawrance Pawlett of Cremorne bequeathed the income from his residuary estate to the University 'for the purpose of encouraging and promoting the scientific study of Agriculture in connection with the said University for the founding of a research or travelling scholarship or scholarships in Agriculture, to be called the Thomas Lawrance Pawlett Scholarship'.

There are three types of scholarship established under the Foundation: the Thomas Lawrance Pawlett Postgraduate Scholarships, the Thomas Lawrance Pawlett Postdoctoral Scholarship, and the Thomas Lawrance Pawlett Visiting Scholarship.

*Thomas Lawrance Pawlett Postgraduate Scholarships* are awarded under the following conditions:

- (1) The name of the scholarships shall be the Thomas Lawrance Pawlett Postgraduate Scholarships.
- (2) The objects of the scholarships shall be the encouragement and promotion of the scientific study of Agriculture in connection with the University of Sydney.
- (3) The scholarships shall be awarded by the Senate of the University, acting on the recommendation of the Faculty of Agriculture to graduates in Agriculture of the University of Sydney or graduates with acceptable qualifications of another university, except, normally, that candidates who are, or who have been, enrolled for the degree of Doctor of Philosophy shall be deemed ineligible. In the event of a scholarship becoming vacant before October in any year, the Senate may make a further appointment for the unexpired portion of the year.
- (4) In awarding the scholarships, consideration shall be given to the work of the applicants during their entire undergraduate course, their post-graduate career, if any, and their special aptitude and ability to carry out the objects of the Foundation.
- (5) The scholarships shall be of the annual value of \$6900. The payments shall be made quarterly in advance, but, in the event of a scholar going abroad, they shall be paid half-yearly in advance.

In the case of resignation or other withdrawal from the scholarship, payment of the salary shall be made for the time during which the scholarship may have been actually held.

The scholarship shall provide the department in which the scholar is working with a grant-in-aid to assist with expenses in connection with his research. The grant-in-aid shall be of the annual value of \$1000.

The scholarship shall provide the same allowances to the scholar as are paid under the Commonwealth Postgraduate Research Studentship except that the annual incidentals allowance shall be \$200.

(6) No scholar shall, except with the approval of the Senate, occupy any salaried position or undertake any employment for payment or hold any other award during his term of appointment, and every scholar shall give his full time to the work he has been appointed to carry out.

(7) The scholar shall furnish progress reports at half-yearly intervals unless otherwise directed by the Faculty and a full report to the Faculty for transmission to the Senate at the completion of his term of appointment. He shall not publish, or permit to be published, any paper embodying the results of his investigations without the approval of the Faculty of Agriculture. In the case of all work published in the form of papers or reports as the result of holding one of these scholarships, the scholar shall distinctly indicate that he is the holder of a Thomas Lawrance Pawlett Scholarship of the University of Sydney.

(8) (a) The scholar who is a graduate of the University of Sydney may apply to carry out his investigations either at the University of Sydney or at such other place, or places, as may be approved by the Faculty of Agriculture.

(b) The scholar who is a graduate of another university shall carry out his investigations at the University of Sydney.

(c) All scholars shall undertake to conform to the regulations for research students drawn up by the University of Sydney.

(9) The scholarships shall be tenable for one year, but a scholar may be reappointed from year to year.

(10) In appropriate circumstances a scholar coming from overseas may be paid, at the discretion of the Selection Committee, an amount of up to \$300 towards travelling expenses.

(11) The Senate may prescribe, from time to time, such further regulations as may be found necessary.

*A Thomas Lawrance Pawlett Postdoctoral Scholarship* is awarded under the following conditions:

(1) The name of the scholarship shall be the Thomas Lawrance Pawlett Postdoctoral Scholarship.

(2) The objects of the Postdoctoral Scholarship shall be the encouragement and promotion of the scientific study of Agriculture in connection with the University of Sydney.

(3) One Postdoctoral Scholarship shall be awarded by the Senate of the University acting on the recommendation of the Faculty of Agriculture normally to persons holding the degree of Doctor of Philosophy in the Faculty of Agriculture of the University or in another university. However, persons who have research publi-

cations revealing equivalent status or who are awaiting the result of a PhD examination, shall be considered eligible to apply for an award.

(4) In awarding the Postdoctoral Scholarship, consideration shall be given to the academic record of the applicants, their postgraduate career, and their special aptitude and ability to carry out the objects of the Foundation.

(5) (a) The Postdoctoral Scholarship shall be of the annual value of \$5000. The payments shall be made half-yearly in advance. In the case of resignation or other withdrawal from the scholarship, payment of the salary shall be made for the time during which the scholarship may have been actually held. An additional amount of up to \$800 may be granted for travelling expenses for the scholar.

(b) When funds are available, the Faculty may recommend the award of up to three travel grants to persons who are eligible for the Postdoctoral Scholarship (see Clause 3 above). The travel grants shall have a value of up to \$1800 and may, with the approval of the Senate, be held concurrently with another award which accords with the objects of the Thomas Lawrance Pawlett Postdoctoral Scholarship.

(6) No scholar shall, except with the approval of the Senate, occupy any salaried position or undertake any employment for payment or hold any other award during his term of appointment, and every scholar shall give his full time to the work he has been appointed to carry out.

(7) The postdoctoral scholar shall be required to furnish a report on the completion of tenure of the scholarship to the Faculty of Agriculture. In the case of all work published in the form of papers or reports, as the result of holding the Postdoctoral Scholarship, the scholar shall furnish a copy to the Faculty of Agriculture and shall distinctly indicate that he is the holder of a Thomas Lawrance Pawlett Postdoctoral Scholarship of the University of Sydney.

(8) (a) The postdoctoral scholar who is a Doctor of Philosophy of the University of Sydney may apply to carry out his investigations at the University of Sydney or at such other place, or places, as may be approved by the Faculty of Agriculture.

(b) The postdoctoral scholar who is a Doctor of Philosophy of another university shall carry out his investigations at the University of Sydney.

(c) All postdoctoral scholars must undertake to conform to the regulations drawn up by the University of Sydney.

(9) The postdoctoral scholarship shall be tenable for one year.

(10) The Senate may prescribe, from time to time, such further regulations as may be found necessary.

Awarded when funds are available.

*The Thomas Lawrance Pawlett Visiting Scholarship* is awarded under the following conditions:

(1) The name of the scholarship shall be the Thomas Lawrance Pawlett Visiting Scholarship.

(2) The object of the scholarship shall be the encouragement and promotion of the scientific study of Agriculture in connection with the University of Sydney.

- (3) The scholarship which shall be available each year shall be awarded by the Senate of the University acting on the recommendation of the Faculty of Agriculture to overseas scholars distinguished in some fields related to the scientific study of Agriculture.
- (4) The scholar shall undertake research for a minimum period of one term in the University of Sydney in the appropriate department.
- (5) The scholarship shall be of the value of \$3500.
- (6) The scholarship may be held concurrently with another award or remuneration.

#### **Christian Rowe Thornett Scholarship**

Established in 1975 by a bequest from the late Mrs Christian Rowe Thornett for the teaching and development of Agricultural Science. The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Christian Rowe Thornett Scholarship.
- (2) The objects of the scholarship shall be the encouragement and promotion of the scientific study of Agriculture within the Faculty of Agriculture.
- (3) The scholarship shall be awarded by the Senate of the University, acting on the recommendation of the Faculty of Agriculture, to graduates with acceptable qualifications from a university other than an Australian university, except, normally, candidates who are or have been enrolled for the degree of Doctor of Philosophy shall be deemed ineligible.
- (4) The annual value of the scholarship shall be \$6900.
- (5) No scholar shall, except with the approval of the Faculty, occupy any salaried position or hold any other award during his term of appointment, and every scholar shall give his full time to the work he has been appointed to carry out.
- (6) The scholar shall furnish progress reports to the Faculty at yearly intervals unless otherwise directed. He shall not publish, or permit to be published, any paper embodying the results of his investigations without the approval of the Faculty of Agriculture. In the case of all work published in the form of papers or reports as the result of holding one of these scholarships, the scholar shall acknowledge his tenure of the Christian Rowe Thornett Scholarship of the University of Sydney.
- (7) The scholarship shall in a case of a candidate for a degree of Master of Science in Agriculture be tenable for two years and in exceptional circumstances for a third year. For a candidate for a degree of Doctor of Philosophy the scholarship shall be tenable for three years and in exceptional circumstances for a fourth year.
- (8) In appropriate circumstances a scholar coming from overseas may be paid, at the discretion of the Faculty, an amount of up to \$400 towards travelling expenses. The scholarship shall provide the department in which the scholar is working with a grant-in-aid of up to \$1000 to assist with expenses in connection with his research. The scholarship shall provide the same allowances to the scholar as are paid under the Commonwealth Postgraduate Research Awards except that the annual incidentals allowance shall be \$200.

#### **Alexander Hugh Thurburn Scholarship**

In 1972 the Faculty of Agriculture received a bequest

from the late Mary Esme Thurburn, who established a scholarship in memory of her husband.

The Alexander Hugh Thurburn Scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Alexander Hugh Thurburn Scholarship.
- (2) The object of the scholarship shall be the encouragement and promotion of the scientific study of agriculture within the Faculty of Agriculture.
- (3) The scholarship shall be awarded by the Academic Board of the University, on the recommendation of the Faculty of Agriculture, to a graduate of the University of Sydney or of any other university with qualifications acceptable to the Faculty of Agriculture.
- (4) In awarding the scholarship, consideration shall be given to the work of the applicant during his entire undergraduate course, his post-graduate career, if any, and his special aptitude and ability to carry out the objects of the scholarship.
- (5) The scholar shall furnish progress reports to the Faculty at yearly intervals unless otherwise directed. In the case of all work published in the form of papers or reports as the result of holding the scholarship the scholar shall:
  - (i) acknowledge his tenure of the Alexander Hugh Thurburn Scholarship of the University of Sydney; and
  - (ii) furnish a copy to the Faculty of Agriculture.
- (6) The scholarship shall in the case of a candidate for a degree of Master of Science in Agriculture be tenable for two years and in exceptional circumstances for a third year. For a candidate for a degree of Doctor of Philosophy the scholarship shall be tenable for three years and in exceptional circumstances for a fourth year.
- (7) (a) The annual value of the scholarship shall be \$6900.  
(b) The scholarship shall provide the same allowances to the scholar as are provided under a Commonwealth Postgraduate Award, except that the annual incidentals allowance shall be \$200.  
(c) The scholarship shall provide the department in which the scholar is working with a grant-in-aid of up to \$1000 per annum to assist with expenses associated with the scholar's research.

#### **Thurburn Visiting Fellowship**

Under the will of Mary Esme Thurburn who died in 1970 the residuary estate was bequeathed to the University of Sydney Faculty of Agriculture to be used for such purposes as the Senate may determine. In 1975 the following conditions of award were approved:

- (1) The name of the fellowship shall be the Thurburn Visiting Fellowship.
- (2) The object of the fellowship shall be the encouragement and promotion of study in agriculture within the Faculty.
- (3) The fellowship shall be awarded from time to time by the Senate of the University on the recommendation of the Faculty of Agriculture.
- (4) The Fellow shall participate in research, public discussion and lecturing for a minimum of one term.
- (5) The Fellow will receive an allowance of \$300 per week, with a maximum allowance of \$4800. There will be an additional grant to cover econ-

omy class return air travel by the most direct route and the most economical rate available at the time.

(6) An allowance of up to \$1000 may be made on the recommendation of the Institute of Advanced Studies, to assist with expenses associated with the Fellow's visit.

### **W. C. Turland Postgraduate Scholarship**

Established in 1976 by a bequest from the late W. C. Turland, the scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the W. C. Turland Postgraduate Scholarship.
- (2) The objects of the scholarship shall be the encouragement and promotion of the scientific study of Agriculture within the Faculty of Agriculture.
- (3) The scholarship shall be awarded by the Senate of the University acting on the recommendation of the Faculty of Agriculture to graduates with acceptable qualifications from Australian Universities.
- (4) The annual value of the scholarship shall be \$6900.
- (5) The scholarship shall offer the same allowances for scholars as those offered under the Commonwealth Postgraduate Awards scheme except that the annual incidentals allowance shall be \$200.
- (6) The scholarship shall provide a research maintenance allowance of up to \$1000 per annum approved at the discretion of the Faculty.
- (7) The scholarship shall in the case of a candidate for a degree of Master of Science in Agriculture be tenable for up to two years and may be extended for a third year. For a candidate for a degree of Doctor of Philosophy the scholarship shall be tenable for up to three years and in exceptional circumstances for a fourth year.
- (8) The scholar shall be required to furnish half-yearly reports on the progress of his work and the continued tenure of the scholarship shall be subject to these reports being judged to be satisfactory.
- (9) No scholar shall, except with the approval of the Faculty, occupy any salaried position or hold any other award during his term of appointment, and every scholar shall give his full time to the work he has been appointed to carry out.
- (10) Awarded as funds are available.

## **Faculty of Architecture**

### **Alexander Milner Armstrong Memorial Fund**

For conditions of award see under Bequests and endowments.

### **Australian Institute of Valuers (New South Wales Division) Prize in Urban Land Economics**

Established in 1976 by the offer of an annual gift of books from the New South Wales division of the Commonwealth Institute of Valuers.

Awarded on the recommendation of the head of the Department of Town and Country Planning to the best student in the Department of Town and Country Planning in the course Urban Land Economics, if the student's work is of sufficient merit. Value, \$100.

### **Building Science Prizes**

Established in 1966 by a gift from an anonymous donor.

Four book prizes, awarded annually, on the recommendation of the head of the Department of Architectural Science, to a candidate for the degree of Master of Building Science or the Diploma in Building Science, who particularly distinguishes himself in some aspect of the course, to be annually selected at the commencement of the year by the head of the Department of Architectural Science, provided that his work is of sufficient merit.

### **Hammerson Prize**

Established in 1982 by the offer of an annual donation by the Hammerson Group of Companies to encourage studies in the field of land economy.

Awarded annually on the recommendation of the head of the Department of Town and Country Planning to the candidate for the degree of Master of Land Economy or for the Diploma in Land Economy who demonstrates the greatest proficiency in the coursework required for the degree or for the diploma, provided that the candidate's work is of sufficient merit. Value, \$250.

### **Hezlet Bequest Travelling Scholarship**

For conditions of award see under *Travelling Scholarships* section.

### **Lyle H. Moore Memorial Prize**

In 1984 the immediate family of Mr Lyle H. Moore, CBE, donated \$2000 to the University to establish a prize in memory of Mr Moore who made a major contribution to educational and other standards in the property field, especially through the University's Extension Board.

The Prize may be awarded annually on the recommendation of the head of the Department of Town and Country Planning to the candidate for the degree of Master of Land Economy or for the Diploma of Land Economy who is most proficient in the course Property Investment Analysis, provided that the candidate's work is of sufficient merit.

Value, \$220.

### **Municipality of Willoughby Prize**

Established in 1967 by a gift of \$400 from B. Sully and a further gift of \$400 from Mr Sully in 1968.

Awarded annually on the recommendation of the head of the Department of Town and Country Planning to the best student in the Department of Town and Country Planning in the course Planning Law, if the student's work is of sufficient merit. Value, \$110.

### **David Noel Murray Scholarship**

Founded in 1972 by a bequest from David Noel Murray who bequeathed his residuary estate to the University to establish a prize in the Faculty of Architecture. The prize is awarded under the following conditions:

- (1) The prize shall be known as the David Noel Murray Prize.
- (2) The object of the prize is to enable a graduate with the degree of Bachelor of Architecture from this University to undertake a postgraduate course within the Faculty of Architecture.
- (3) The prize shall be awarded as funds are available to a graduate with the degree of Bachelor of Architecture of the University of Sydney. The award shall be based on the student's academic record for the degree of Bachelor of Architecture and shall be made at graduation to enable a student to proceed directly to higher degree studies. The prize will be awarded for one year in

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the first instance but may be renewed for not more than one further year on the recommendation of the committee referred to in (5) below.

(4) The prize shall be valued at \$6900 per annum and this value shall be reviewed from time to time so that, as far as the income from the bequest will allow, it will be related to the prevailing grants for Commonwealth postgraduate students.

(5) The prize shall be awarded by the Academic Board on the recommendation of a committee consisting of the Dean of the Faculty of Architecture and the Heads of the Departments of Architecture, Architectural Science and Town and Country Planning.

#### **New South Wales Planning and Environment Commission Prize**

Awarded annually by the New South Wales Planning and Environment Commission to the student with the best record on successful completion of the second year in the Diploma course of Town and Country Planning, if of sufficient merit. Value, \$150.

#### **John Odongo Prize**

Established in 1983 by donations from friends and colleagues of Dr John Odongo who died in 1982. Dr Odongo graduated with the degree of Doctor of Philosophy in the University of Sydney in 1979.

The prize may be awarded annually on the recommendation of the head of the Department of Town and Country Planning to the candidate for the degree of Master of Town and Country Planning or for the Diploma in Town and Country Planning who is most proficient in the course Evolution of Development Concepts, provided that the candidate's work is of sufficient merit. Value, \$130.

#### **Philips Prize for Illumination Design**

Awarded annually on the recommendation of the head of the Department of Architectural Science to a candidate for the Diploma in Illumination Design who, having completed the requirements for the diploma, has demonstrated the greatest proficiency in all the illumination courses of the diploma, provided that the candidate's work is of sufficient merit. Value, \$250.

#### **Philips Lighting Prize**

Awarded annually on the recommendation of the head of the Department of Architectural Science to a candidate for a degree or diploma in the Faculty of Architecture who has completed an illumination course or courses and who demonstrates the greatest proficiency in one or more of such of those courses as the head of the department shall determine at the commencement of each year, provided that the candidate's work is of sufficient merit. Value, \$100.

#### **Royal Australian Institute of Architects, New South Wales Chapter's Prize**

Established in 1964 by an annual donation from the Royal Australian Institute of Architects, New South Wales Chapter.

Awarded annually, on the recommendation of the head of the Department of Architectural Science, to a candidate for the degree of Master of Building Science who particularly distinguishes himself in some aspect of the course, to be annually selected at the commencement of the year by the head of the Department of Architectural Science, provided that his work is of sufficient merit. The prize shall consist of a certificate and a cash payment of \$250.

#### **Royal Australian Planning Institute, New South Wales Division Prize**

Re-established in 1979 by the Royal Australian Planning Institute, New South Wales Division, the prize was first established in 1950 as the Town and Country Planning Institute Prize and was last awarded in 1975, after which it was replaced by a donation towards the purchase of books for the library of the Department of Town and Country Planning.

Awarded annually by the Institute on the recommendation of the head of the Department of Town and Country Planning to the candidate for the degree of Master of Town and Country Planning or for the Diploma in Town and Country Planning who completes the first year of the degree or the diploma at the first attempt and who demonstrates the greatest proficiency, provided that the candidate completes coursework with a unit value of at least sixteen units and that the candidate's work is of sufficient merit. Value, \$150.

#### **Faculty of Arts**

##### **Albert Travelling Scholarship in Music**

The scholarship was established in 1970 by the offer of an annual gift of \$1250 for twenty years from Alexis Albert on behalf of J. Albert & Son Pty Ltd. The purpose of the gift was to establish a travelling scholarship in music. The scholarship is awarded under the following conditions:

- (1) The scholarship shall be known as the Albert Travelling Scholarship.
- (2) The scholarship is open to —
  - (a) full-time postgraduate students enrolled in the Department of Music for whom it is academically desirable to spend time outside Australia as part of their candidature, and
  - (b) graduates of the University who proceed outside Australia to undertake research work in music and who are unable to meet the total costs from other funds, which may include travelling scholarships or travel grants.
- (3) The scholarship shall be awarded by the Academic Board on the recommendation of the committee appointed by the Academic Board to consider applications for travelling scholarships.
- (4) The committee shall take into account each applicant's academic record and the merit of the proposed programme of study or research.
- (5) The scholarship may be held in conjunction with any other award and may be in the form of a supplementary living allowance or grant-in-aid.
- (6) The scholarship has a maximum value of \$1000 but scholarships up to the value of \$1400 may be awarded in any one year in the form of grants-in-aid.

##### **Cooper Graduate Scholarship**

For conditions of award see under *Travelling Scholarships* section.

##### **W. H. and Elizabeth M. Deane Archaeology Scholarship**

Founded in 1956 by a gift of £1000 from W. H. Deane to assist in the establishment of the study of archaeology by aiding a graduate of the University.

In 1957 the W. H. and Elizabeth M. Deane Archaeology Scholarship was established under the following conditions:

- (1) The name of the scholarship shall be the W. H. and Elizabeth M. Deane Archaeology Scholarship.

(2) The object of the scholarship is to assist in the establishment at the University of the study of Archaeology, especially of relevant languages, by aiding a graduate of the University of Sydney, who, in the opinion of the Academic Board, is qualified by interest and capacity to further the object of the scholarship but who is unable to prosecute his studies or researches without the assistance of the scholarship.

(3) The value of the scholarship shall be up to \$2500. It shall normally be tenable for one year and be awarded in each fourth year if a suitable applicant is available.

(4) During his tenure of the scholarship the holder shall prosecute his studies or researches in Archaeology in such place or places as may be approved by the Academic Board.

(5) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Dean of the Faculty of Arts, the head of the Department of Archaeology and the Professors of Archaeology.

Available for award in 1981 and every fourth year thereafter.

#### **Farrington-Thorpe Scholarship**

The scholarship was established in 1983 by a bequest from Mrs Harriet Daisy Finlayson who died in 1933. The purpose of the bequest, which was subject to certain life interests, was to establish a postgraduate scholarship in history, tenable outside Australia, as a memorial to Mrs Finlayson's mother, Mrs Farrington-Thorpe. The scholarship is awarded under the following conditions:

(1) The name of the scholarship shall be the Farrington-Thorpe Scholarship.

(2) The scholarship is open to —

(a) full-time postgraduate students currently enrolled in the University of Sydney in the Department of History for whom it is academically desirable to spend time outside Australia as part of their candidature; and

(b) graduates of the University of Sydney who proceed outside Australia to undertake research work in history and who are unable to meet the total costs from other funds, which may include travelling scholarships or travel grants.

(3) The scholarship shall be awarded by the Academic Board on the recommendation of the Committee appointed by the Academic Board to consider applications for travelling scholarships.

(4) The Committee shall take into account each applicant's academic record and the merit of the proposed programme of study or research.

(5) The scholarship may be held in conjunction with any other award and may be in the form of a supplementary living allowance or grant-in-aid.

(6) The scholarship has a maximum value of \$1000. There may be up to three awards in any one year.

#### **Frazer Travelling Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **Hannah Fullerton Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **Hellenic Club Research Scholarship in Classical Archaeology**

A proposal to establish the Hellenic Club Research Scholarship in Classical Archaeology was accepted by the Senate at its meeting of 2 February 1976. The Hellenic Club had offered to establish a postgraduate scholarship in Classical Archaeology by means of a series of donations totalling \$10 000. The terms and conditions of the award will be determined by the Academic Board on the advice of the Faculty of Arts when, as agreed to by the donor, the income from the fund is sufficient to support an award.

#### **G. C. Henderson Research Scholarship**

Under the will of Professor G. C. Henderson who died in 1944, the residue of the estate was bequeathed to the University for the endowment of a scholarship for the encouragement of research into the history of the South Pacific islands. The residue of the estate amounted to \$16 360 to which was added accumulated income of \$36 216.

Conditions of award are currently under review.

#### **Thelma Herring Memorial Award in English Literature**

Established in 1979 in memory of Thelma Herring, Tutor/Teaching Fellow 1941-1949, Lecturer 1950-1965 and Senior Lecturer 1968-1975 in the Department of English.

Awarded annually on the recommendation of the head of the Department of English to a graduate of the University who has obtained a postgraduate award for the purpose of undertaking studies in the United Kingdom in English Literature, to assist in the purchase of books. Value, \$200.

#### **Colonel George Johnston Scholar in Australian History**

The Colonel George Johnston Scholar, funded by a bequest made in 1972 by the late Arthur D. Johnston, is appointed under the following conditions:

(1) The objects of the appointment shall be to encourage and promote studies and/or research in Australian history.

(2) The Scholar may be appointed in each year for a minimum of one term and a maximum of one academic year, beginning in 1983. The Scholar may be appointed for a further period on application.

(3) A Scholar may be either an individual with an established scholarly reputation; or a recent graduate with a higher degree in an appropriate field. In either case, the Scholar shall be required to pursue studies and/or research in Australian history, preferably with a view to publication; shall be based within the Department of History; and may be invited to participate in lectures and seminars within the University.

(4) The Scholar shall be appointed by the Academic Board, on the recommendation of a committee consisting of—

(a) The Chairman of the Academic Board;

(b) The Dean of the Faculty of Arts; and

(c) The Head of the Department of History and the Professors of History, or, in lieu of one of these, another member of the Department of History nominated by the Head of the Department or a Professor of History.

(5) The period and emolument of each Scholarship shall be determined by the Selection Committee, within the maximum sum available of \$11 800.

**Kathleen Margaret Karnaghan, F. A. Elgar and  
A. J. A. Waldock Scholarship**

Established in 1976 by the amalgamation of funds from three sources:

- (1) Miss Nancy Karnaghan, sister of the late Kathleen Margaret Karnaghan, in 1973 offered to donate a sum of money to establish a scholarship in the Department of English in the University in memory of her sister.
- (2) Frederick Alexander Elgar who died in 1966 bequeathed a portion of his residuary estate to the Department of English in the University for the purpose of establishing scholarships and prizes.
- (3) The Committee for raising funds to establish a memorial to the late Professor A. J. A. Waldock in 1959 made a donation to the University to institute the Waldock Memorial Lectures.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Kathleen Margaret Karnaghan, F. A. Elgar and A. J. A. Waldock Scholarship.
- (2) The scholarship shall be in the form of a grant-in-aid to assist a scholar who wishes to undertake research work overseas.
- (3) The scholarship shall be awarded to a graduate in the Faculty of Arts with Honours in English who, except in special circumstances, is of not more than five years' standing from the award of a first degree.
- (4) The scholarship shall be awarded by the Academic Board on the recommendation of a Committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Arts and the Professors in the Department of English.
- (5) The scholarship shall be available annually, provided there is a candidate of sufficient merit, and shall be valued at \$3000.
- (6) Applications shall close with the Registrar on 31 May each year.
- (7) The conditions of award may be varied from time to time as the Academic Board thinks fit.

**Mari Kuttna Memorial Fund in Film Studies**

In 1983 Mme Garbare Gre donated \$30 000 to the University in memory of her daughter, Mari Kuttna, who died that year.

Mari Kuttna graduated from the University of Sydney in 1956 with First Class Honours and the University Medal in English. She was awarded a scholarship to Oxford University and later became a freelance film critic contributing to leading film reviews. She served for ten years on the juries of international film festivals and on the panel of judges for the British Film Institute Award.

The funds were to be used to support teaching and research in film studies including film theory, history and criticism. In 1984 the committee appointed the Vice-Chancellor to advise him on the annual allocation of the income from the fund, recommended that several awards be established. These awards were established in 1985, under the following terms and conditions of award. Although it was not the intent of the donor to confine the awards to the area of film criticism it was hoped that studies in film criticism would in particular be promoted as this was the area in which Mari Kuttner worked.

The scholarship and award would be awarded only when funds permitted.

**Mari Kuttna Memorial Prizes in Film Studies**

Three prizes may be awarded annually on the rec-

ommendation of the Head of the Power Department of Fine Arts to students demonstrating high standards of proficiency in film studies (as studied and taught) within the Power Department either at undergraduate or postgraduate level.

Value, \$500 each.

**Mari Kuttna Memorial Scholarship in Film Studies**

- (1) The scholarship shall be named the Mari Kuttna Memorial Scholarship in Film Studies.
- (2) The object of the scholarship is to promote and encourage postgraduate research in film studies within the Faculty of Arts of the University of Sydney.
- (3) The scholarship shall be open to graduates who are eligible for admission to candidature for a higher degree by research and who enrol accordingly as full-time candidates.
- (4) The scholarship shall be awarded on the basis of academic merit.
- (5) The scholarship shall be awarded by the Academic Board on the advice of a committee\* comprising the Dean of the Faculty of Arts or the Dean's nominee, Mme Barbara Gre or her nominee, the Head of the Power Department of Fine Arts, the Director of the Power Institute of Fine Arts, and the member of staff responsible for the film studies course within the Department.
- (6) The scholarship shall be tenable for one year in the first instance but, subject to the candidate's satisfactory progress, may be renewed for a second year, and in the case of a PhD candidate for a third, or in special circumstances, a fourth year.
- (7) (a) The scholarship shall have an annual value of \$10 500.
- (b) The scholarship shall provide allowances equivalent to those provided by the Commonwealth Postgraduate Award Scheme.
- (c) The scholarship may provide an annual research maintenance allowance of up to \$1500, to be administered by the head of the department in which the research is to be conducted.
- (d) The scholarship may provide return economy class air travel for the award holder, to a maximum of \$2000.
- (8) Holders of the scholarship shall submit a report to the Selection Committee on completion of tenure of the scholarship.

**Mari Kuttna Memorial Award in Film Studies**

- (1) The award shall be known as the Mari Kuttna Memorial Award in Film Studies.
- (2) The award is open to:
  - (a) full-time students enrolled in a higher degree within the University of Sydney for whom it is academically desirable to spend time outside Australia as part of their candidature, and
  - (b) graduates of the University who proceed outside Australia to undertake research work and who are unable to meet the total costs from other funds, which may include travelling scholarships or travel grants, provided that in each case the research topic is related to film studies.
- (3) The award shall be made by the Academic Board on the Advice of a committee\* comprising the Dean of

\* The committee has the same composition as the committee appointed by the Vice-Chancellor to advise him on the annual allocation of the income from the fund.



the Faculty of Arts or the Dean's nominee, Mme Barbara Gre or her nominee, the Head of the Power Department of Fine Arts, the Director of the Power Institute of Fine Arts and the member of staff responsible for the film studies course within the Department.

(4) In the event that the award is offered to an enrolled student, or to a graduate of the University who intends to enrol for a higher degree in an institution outside Australia, in order to support that candidature, it is conditional that the recipient remains enrolled, or enrolls accordingly for the duration of the award.

(5) The committee shall take into account each applicant's academic record and the merit of the proposed programme of research.

(6) The award may be held in conjunction with any other award and may be in the form of a supplementary living allowance or grant-in-aid.

(7) Holders of the award shall submit a report of the study tour on their return to Australia.

(8) The value of each Award shall be determined by the Selection Committee, up to a value of \$10 000 per annum.

(9) The Selection Committee shall take into account the availability of other sources of financial support in determining the value of an award.

#### **H. Tasman Lovell Memorial Medallion**

Established in 1969 by the trustees of the H. Tasman Lovell Memorial Prize Fund to perpetuate the memory of the University's first professor of psychology, H. Tasman Lovell.

The medallion is awarded annually on the recommendation of the head of the Department of Psychology to the candidate who submits the best thesis for the degree of Doctor of Philosophy in the Department of Psychology, provided the thesis is of sufficient merit.

#### **Rose Mandelbaum Scholarship in Music**

For conditions of award see under *Travelling Scholarships* section.

#### **Arthur Maquarie Travelling Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **Gladys Marks Travelling Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **A. H. Martin Scholarship**

Established in 1977 by a gift of \$3527 from the members of the Australian Institute of Industrial Psychology in memory of the founder of the Institute, Dr A. H. Martin, previously a reader in the Department of Psychology.

Awarded annually in the Department of Psychology, preferably in the fields of vocational guidance and vocational selection or a related field, on the recommendation of the head of the Department of Psychology, to the candidate for the degree of Master of Psychology who performs best in Part I of the course, provided the performance is of sufficient merit. Should no candidate show sufficient merit, the scholarship may be held over to the following year, when two scholarships may be awarded. Value, \$300.

#### **Sydney Moss Scholarship**

For conditions of award see under *Travelling Scholarships* section.

#### **Venour V. Nathan Prize**

For conditions of award see under *History in Undergraduate scholarships and prizes*.

#### **Nicholson Medal**

For conditions of award see under *Latin in Undergraduate scholarships and prizes*.

#### **Dr Colin Roderick Prize**

Established in 1968 by a bequest of \$2000 from the late Miss Isobel Marion Dorothea Mackellar. The prize is to be known as the Dr Colin Roderick Prize.

Awarded annually by the Faculty of Arts on the recommendation of the Professor of Australian Literature or, in his absence, on the recommendation of the head of the Department of English, to the student writing the best Master of Arts thesis on a topic in Australian Literature, or, should no such Master of Arts thesis of sufficient merit be presented, to the student writing the best thesis on a topic in Australian Literature in English IV, provided that the terms of the award may be varied by the Academic Board on the recommendation of the Department of English and of the Faculty of Arts. The prize shall not be awarded on more than one occasion to the same student. Value, \$450.

#### **Martin and Elizabeth Jane Simmat Prize**

Established in 1958 by Mr R. Simmat by a donation of £50 to which from time to time has been added varying amounts until the amount stands at \$1345. The donations have been made to establish a prize in memory of Mr Simmat's parents, Martin and Elizabeth Jane Simmat.

The prize shall be awarded annually on the recommendation of the head of the Department of Psychology, to the candidate who shall have most distinguished himself in meeting requirements for the award of the Pass MA degree, in psychology, provided he is of sufficient merit. Value, \$100.

#### **University Prize for English Verse**

For conditions of award see under *English in Undergraduate Scholarships and Prizes*.

#### **Wentworth Medals**

For conditions of award, see under *Prize Compositions* at the end of this section of the Calendar.

#### **Wentworth Travelling Fellowship**

For conditions of award see under *Travelling Scholarships* section.

#### **Woolley Scholarship**

For conditions of award see under *Travelling Scholarships* section.

## **Faculty of Dentistry**

### **Dental Health Education and Research Foundation—Research Training Scholarships**

Established in 1962 by the Dental Health Education and Research Foundation.

(1) The scholarships shall be known as the Dental Health Education and Research Foundation Research Training Scholarships.

(2) The object of the scholarships shall be to assist young dental graduates to acquire the basic training necessary for a career in research.

(3) The scholarships shall be open to graduates or graduands of the Faculty of Dentistry of the Uni-

versity of Sydney who are British subjects domiciled in New South Wales.

(4) The scholarships shall be awarded in one of three categories:

- (i) Scholarships awarded to scholars who propose to undertake coursework leading to the degree of Bachelor of Science, or
- (ii) Scholarships awarded to scholars who propose to undertake a course of study leading to the degree of Master of Dental Science or Doctor of Philosophy.
- (iii) Scholarships awarded to scholars who propose to undertake training in research work in accordance with the object of the scholarships.

(5) The scholar shall carry out the work required in paragraphs (6) (iii) and (7) under the direction of a Supervisor appointed by the Foundation and the Supervisor shall report biannually, by 15 June and 15 December, to the Foundation on the progress of the scholar's work.

(6) In the case of the first category, the scholar appointed—

- (i) must have such qualifications as will allow him to be admitted to the second year of the degree course in the Faculty of Science;
- (ii) shall include at least one course in mathematics as a qualifying course for the degree;
- (iii) shall for at least two months of each year be attached to a Department within the University of Sydney or to such other place as may be approved by the Foundation and there engage in such work as may be assigned to him by his Supervisor to assist the scholar to acquire research technique and/or gain further experience in a branch of clinical dentistry.

(7) In the case of the second category<sup>1</sup>, the course of study must be pursued substantially in one of the basic science departments related to the Dental curriculum.

(8) In the case of the third category, the scholar appointed—

- (i) shall be attached to a Department within the University of Sydney or to such other place as may be approved by the Foundation and there engage in such work as may be assigned to him by his Supervisor to assist the scholar to acquire research technique and/or gain further experience in a branch of clinical dentistry.
- (ii) may attend coursework as may be approved by the Foundation.

(9) The value of the scholarship shall be in the range of \$8836 per annum to \$11 598 per annum payable in equal monthly instalments. In addition, all compulsory fees shall be paid by the Foundation.

(10) The scholarships shall be awarded for one year and may be awarded for a second year, and in special circumstances for a third year, especially in the case of a scholar appointed under the first category referred to in paragraph (4) provided he completes the courses for which he is enrolled.

(11) The scholarships shall be awarded by the Senate on the recommendation of the Foundation and at such time as the Foundation may determine.

(12) Except with the permission of the Foundation, a scholarship shall be tenable only at the University of Sydney.

(13) The scholar shall not undertake any employment for payment during the tenure of the scholarship except with the consent of the Foundation.

(14) The conditions governing the award of the scholarships may be varied from time to time as the Foundation thinks fit.

### Oral-B Foundation Travel Grant in Preventive Dentistry

Established in 1981 by the offer of five biennial grants of \$5000 from the Oral-B Foundation Limited, a Governor of the Dental Health Education and Research Foundation of the University of Sydney, in order to assist dental graduates to travel overseas and acquaint themselves with current developments in preventive Dentistry.

The travel grant shall be known as the Oral-B Foundation Travel Grant in Preventive Dentistry.

The object of the travel grant shall be to assist a dental graduate who, in the opinion of the Council of Dental Health Education and Research Foundation of the University, has demonstrated outstanding interest and ability in the area of preventive dentistry to travel overseas and acquaint himself or herself with current developments in preventive dentistry. Such travel may include observation of academic, commercial, private, public and community preventive dentistry programmes.

Further information is available from the Registrar, with whom applications close 15 October each alternate year.

## Faculty of Economics

### Commonwealth Bank Scholarships

Established in 1951 by a gift of £11 500 from the Commonwealth Bank of Australia. There are two types of scholarship awarded, 1. Graduate Scholarships and 2. Undergraduate Scholarships.

1. The graduate scholarships are awarded under the following conditions:

(1) These scholarships, established for research in the Faculty of Economics by a gift from the Commonwealth Bank of Australia, shall be awarded by the Faculty of Economics.

(2) The scholarships are, subject to this paragraph, tenable in the University of Sydney and shall be awarded in the first instance for one year, but may be renewed for a second year and, in exceptional circumstances, for a third year. Applications for renewal for a third year should be made in August of the second year and should be based upon reports of research completed, articles published or other work written during the tenure of the scholarship. The scholar may hold the scholarship in the third year either at the University of Sydney or at an approved overseas university. The value of the scholarship shall be \$6900 per annum.

(3) Scholarships may be awarded to graduates or graduands in Economics of a recognised university, and graduates or graduands in Arts of a recognised university who have specialised in Economics.<sup>1</sup>

<sup>1</sup> The second category is designed to assist more experienced dental graduates to acquire training in specific research methods.

<sup>1</sup> It should be noted that by resolution of the Academic Board a graduate of one faculty in the University of Sydney may not *normally* proceed to a master's degree in another faculty.

(4) Scholars shall be required to carry out research work under the direction of the appropriate head of a department in the Faculty of Economics, and shall devote the whole of their time to research. Scholars may however be required to undertake a limited amount of teaching in fields associated with their research.

(5) In any year more than one scholarship may be awarded.

(6) Applications setting out the candidate's qualifications and experience shall be lodged with the Registrar.

2. For undergraduate scholarships see under Undergraduate Scholarships and Prizes, Faculty of Economics.

#### **Walter Noel Gillies Prize in Economics**

Awarded annually within the Faculty of Economics to the candidate for the degree of Master of Economics who has submitted the most meritorious thesis in the twelve months preceding the award. The award shall be made on the recommendation of the Dean of the Faculty, and the Heads of the Departments in the Faculty.

Value, \$1000 per annum.

#### **Graduate Management Association Prize**

Established in 1981 by the offer of an annual donation from the Graduate Management Association to establish a postgraduate prize in the Faculty of Economics.

Awarded annually on the recommendation of the Dean, to the student graduating Master of Business Administration whose work during the whole degree programme is most meritorious, provided that the candidate's work is of sufficient merit. Value, \$250.

#### **Denison Miller Postgraduate Memorial Scholarship**

For conditions of award see under *Travelling Scholarships* section.

### **Faculty of Engineering<sup>1</sup>**

#### **Atlas Copco Prize**

Established in 1975 by the offer of an annual donation from Atlas Copco Australia Pty. Ltd.

Awarded annually on the recommendation of the head of the Department of Mechanical Engineering for the best thesis submitted in a Mechanical Engineering subject in partial fulfilment of the requirements of the degree of Master of Economic Science (second alternative) provided that the thesis is of sufficient merit. Value, \$75.

#### **BBR Australia Pty Ltd Prize**

Established in 1966 by the offer of an annual gift from Australian BBR Co. Pty Ltd.

Awarded annually on the recommendation of the head of the School of Civil and Mining Engineering to the candidate for the degree of Master of Engineering Science who submits the best thesis in the field of prestressed concrete, provided that the work is of sufficient merit. Value, textbooks to the value of \$25.

#### **Cable Makers Australia Proprietary Ltd Prize**

For conditions of award see under *Undergraduate scholarships and prizes*.

#### **Chemical Engineering Foundation Scholarship**

Established in 1981 by the Chemical Engineering Foundation within the University of Sydney.

(1) The name of the scholarship shall be the Chemical Engineering Foundation Scholarship.

(2) The object of the scholarship shall be to encourage suitably qualified graduates in Chemical Engineering from Australian universities to undertake full-time candidature for the degree of Doctor of Philosophy in the Department of Chemical Engineering.

(3) The scholarship shall be awarded in 1982 and every fourth year thereafter, or earlier if the scholarship becomes vacant.

(4) Applications will be received from persons who hold or have qualified for the award of the degree of Bachelor of Engineering in Chemical Engineering in the University of Sydney with either first class honours or second class honours division 1 or such qualifications from another Australian university as the Faculty of Engineering considers equivalent.

(5) The scholarship shall be awarded by the Council of the Foundation on the recommendation of the Director to the most meritorious of such applicants provided that—

(a) the applicant's work was of sufficient merit; and

(b) the applicant is accepted and enrolls as a full-time candidate for the degree of Doctor of Philosophy in the Department of Chemical Engineering.

(6) The value of the scholarship shall be \$10 500.

(7) The scholarship shall be tenable for one year in the first instance, but may be renewed from year to year for a maximum period of four years subject to the Council receiving a satisfactory annual report on the progress of the scholar's candidature.

(8) A scholar shall acknowledge the tenure of the scholarship in any thesis or other publication which shall result from such tenure.

#### **Chemical Engineering Foundation Supplementary Scholarships**

Established in 1983, with funds committed by the Chemical Engineering Foundation, to provide additional assistance for holders of postgraduate research awards in the Department of Chemical Engineering. The scholarships shall be awarded under the following conditions.

(1) Each scholarship shall be named a Chemical Engineering Foundation Supplementary Scholarship.

(2) The scholarships may be awarded in 1983 and each year thereafter subject to the availability of funds.

(3) The scholarships shall be available only to holders of postgraduate research awards in the Department of Chemical Engineering.

(4) The scholarships shall be awarded by the Council of the Foundation on the recommendation of the Director.

(5) The scholarships may be in the form of a supplementary living allowance, a travel grant or a grant-in-aid.

(6) The value of each scholarship shall be in the range of \$1000–\$5000 and shall be determined by the Council of the Foundation on the recommendation of the Director.

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<sup>1</sup> See also the 'Faculty of Science or Faculty of Engineering' lists of postgraduate scholarships and prizes below.

### Civil and Mining Engineering Foundation Scholarships

Established in 1982 by funds committed by the Civil and Mining Engineering Foundation to promote postgraduate research in civil and mining engineering.

The scholarships shall be awarded under the following conditions:

- (1) Each scholarship shall be named a Civil and Mining Engineering Foundation Scholarship.
- (2) The object of the scholarships shall be to assist suitably qualified graduates to undertake full-time candidature for the degree of Doctor of Philosophy or Master of Engineering Science (First Alternative) in the School of Civil and Mining Engineering.
- (3) The scholarships may be awarded in 1982 and each year thereafter subject to the availability of funds.
- (4) The scholarships shall be open to applicants who have qualified for the award of the degree of Bachelor of Engineering with first class honours, or second class honours Division 1, or who hold equivalent qualifications.
- (5) The scholarships shall be awarded by the Council of the Foundation on the recommendation of the Director to the most meritorious applicants provided that each applicant is accepted for and enrolls in a higher degree in the School of Civil and Mining Engineering in accordance with Section (2) above.
- (6) Each scholarship shall be tenable for up to one year. On the recommendation of the Director a scholarship may be renewed for a second year, and in the case of a PhD candidate for a third and, in special circumstances, a fourth year.
- (7) The value of each scholarship shall be determined by the Council of the Foundation on the recommendation of the Director. The value may not exceed \$10 500 per annum.
- (8) A scholarship may be awarded to an applicant who is in receipt of another award.

### Clean Air Society of Australia and New Zealand (N.S.W. Branch) Prize in Air Pollution

Established in 1979 by the offer from the Clean Air Society of Australia and New Zealand (N.S.W. Branch) of an annual sum of \$100 for at least five years, to a postgraduate student in the Faculty of Engineering for excellence in the subject of air pollution and its control.

Awarded annually on the recommendation of the head of the Department of Mechanical Engineering to a candidate for a postgraduate degree in the Faculty of Engineering in Mechanical Engineering for the best thesis and / or coursework in the study of air pollution and its control, provided that the candidate's work is of sufficient merit. Value, \$100.

### William and Jane Grahame Mechanical Engineering Prizes

For conditions of award, see under *Scholarships and Prizes—Undergraduate*—Faculty of Engineering. Value, \$100.

### Charles Kolling Travelling Scholarship in Mechanical Engineering

For conditions of award see under *Travelling Scholarships* section.

### P. G. Morgan Memorial Prize in Mechanical Engineering Design

For conditions of award see under *Undergraduate scholarships and prizes*.

### William John Padbury Scholarship

Established in 1981 by a bequest of one-half of the net residue of the Estate of Florence May Padbury to the University of Sydney for the purpose of establishing a scholarship in the Faculty of Engineering in memory of her husband, William John Padbury.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the William John Padbury Scholarship.
- (2) The purpose of the scholarship is to enable the scholar to undertake postgraduate studies in Engineering at the University of Sydney or overseas.
- (3) The scholarship shall be open to any graduate in Engineering of the University of Sydney who enrolls in a higher degree in the Faculty of Engineering in the University of Sydney or in an approved programme of postgraduate study in a University outside Australia, or to such other persons as are admitted to candidature for a higher degree in the Faculty of Engineering in the University of Sydney.
- (4) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Engineering, and the Professors of Engineering.
- (5) The scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year and, in the case of a PhD candidate, a third, and in special circumstances a fourth year.
- (6) The scholarship shall be of the annual value of \$10 500. Subject to the availability of funds there may be a travel grant to cover economy class air travel by the most direct route and the most economical rate available at the time, where the scholar is required to travel from the normal place of residence to the University of enrolment. A corresponding grant may be made for return travel.

### Norman I. Price Scholarship in Electrical Engineering

Under the will of the late Florence Price the residuary estate was left to the University to be invested by it and the income used for the purpose of establishing the Norman I. Price Scholarship in Electrical Engineering to perpetuate the memory of Mrs Price's late husband.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Norman I. Price Scholarship in Electrical Engineering.
- (2) The object of the scholarship shall be to promote and encourage research in Electrical Engineering.
- (3) The scholarship shall be open to graduates of the University of Sydney or to any other person eligible for admission to candidature for a higher degree in the University of Sydney.
- (4) The scholarship shall normally be tenable either—
  - (a) as a Postgraduate Research Scholarship with a stipend equal in value to a Commonwealth Postgraduate Award, or
  - (b) as a Postdoctoral Scholarship, or
  - (c) as a scholarship supplementing another award or grant.<sup>1</sup>

<sup>1</sup> It would not normally be incompatible with the object of the scholarship for a supplementary award under condition 4 (c) to be held by a member of the staff of the Department of Electrical Engineering who is proceeding overseas for an approved purpose.

The award of a scholarship may be accompanied by a grant-in-aid to cover such items as technical assistance, equipment, fees, travelling and general expenses.

(5) The scholar shall carry out his investigations within the Department of Electrical Engineering or, on the recommendation of the head of the Department of Electrical Engineering, at any other university or institution within Australia or overseas.

(6) The scholarship shall normally be tenable for one year in the first instance, but may be renewed from year to year. In special circumstances the scholarship may be held for a period of less than one year.

(7) The scholarship shall be awarded by the Academic Board on the recommendation of a selection committee consisting of the Dean of the Faculty of Engineering, who shall be Chairman, and the Professors, Associate Professors and Readers in the Department of Electrical Engineering. If the Dean of the Faculty is a Professor of Electrical Engineering, one of the other Professors of Engineering shall be appointed to the committee by the Faculty of Engineering.

#### **Peter Nicol Russell Postgraduate Scholarship in Mechanical Engineering**

Under the gift of Sir Peter Nicol Russell, which established in 1896 the fund that later became known as the Peter Nicol Russell Bequest, a scholarship for the encouragement of higher education in Mechanical Engineering is offered for a candidate for a higher degree in the Department of Mechanical Engineering, under the following conditions:

(1) The name of the scholarship shall be the Peter Nicol Russell Postgraduate Scholarship in Mechanical Engineering.

(2) The object of the scholarship shall be to encourage postgraduate research in Mechanical Engineering.

(3) The value of the scholarship shall be as determined by the Selection Committee, up to a maximum of \$10 500.

(4) The scholarship shall be awarded by the Academic Board on the recommendation of a selection committee consisting of the Dean of the Faculty of Engineering, who shall be Chairman, and the Professors, Associate Professors, and Readers in the Department of Mechanical Engineering, and such other members of the Faculty of Engineering as may be nominated by the Dean in consultation with the head of the Department of Mechanical Engineering so that the membership of the committee consists at all times of no less than three persons.

(5) The scholarship shall be open to graduates of the University of Sydney or to any other person eligible for admission to candidature for a higher degree in the University of Sydney.

(6) The holder of a scholarship shall enrol as a full-time candidate for a higher degree by research only, in the Department of Mechanical Engineering.

(7) A scholarship shall be tenable for one year in the first instance, but may be renewed for a second year in the case of a candidate for a master's degree and for a third year in the case of a candidate for the degree of Doctor of Philosophy or for a candidate who is given permission to transfer from master's candidature to candidature for the degree of Doctor of Philosophy.

(8) A scholarship shall be renewable on the recommendation of the selection committee subject to receipt of a report from the candidate's supervisor and from the head of the department that the candidate has been proceeding to their satisfaction.

(9) Scholarships shall be awarded on the basis of academic merit, provided that the previous academic record of any successful applicant shall have been deemed by the selection committee to be of sufficient merit.

(10) Scholarships shall be awarded subject to the availability of funds, and applications shall normally be made in writing to the Registrar no later than 31 December.

#### **H. J. and C. K. Swain Prize in Mechanical Engineering**

For conditions of award see under *Undergraduate scholarships and prizes*.

#### **William Girling Watson Travelling Scholarship in Electrical Engineering**

Under the will of the late Isabella T. Watson the residuary estate was left to the University upon trust 'to apply the income therefrom for the establishment of Travelling Scholarships in Electrical Engineering of such amount and of such tenure and subject to such conditions as the Senate of the University of Sydney may from time to time determine, and that the scholarship may be known as "The William Girling Watson Travelling Scholarship in Electrical Engineering" '.

The scholarship is awarded under the following conditions:

(1) The name of the scholarship shall be the William Girling Watson Travelling Scholarship in Electrical Engineering.

(2) The object of the scholarship shall be to promote and encourage research in Electrical Engineering in the University of Sydney.

(3) The scholarship shall be open to graduates of the University of Sydney or to any other person eligible for admission to candidature for a higher degree in the University of Sydney.

(4) The scholarship may be awarded either

(a) to assist a scholar normally resident in Australia to travel overseas for further study, or  
(b) to assist a scholar to travel to Australia to work on an approved research project in the University of Sydney.

(5) The scholarship shall normally be tenable

(a) as a Postgraduate Research Studentship with an annual stipend comparable to the current range of Commonwealth or University of Sydney Postgraduate Research Studentships; or  
(b) as a Postdoctoral Research Fellowship with an annual stipend within the current range for University of Sydney Postdoctoral Research Fellowships; or  
(c) as a scholarship supplementing another award or grant.

The award of a scholarship may be accompanied by a grant-in-aid towards travelling expenses, and may also provide for tuition fees, technical assistance and equipment where appropriate.

(6) The scholarship shall normally be tenable for one year in the first instance, but may be renewed from year to year, on the receipt of a satisfactory progress report and having regard to any rec-

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ommendation by the head of the Department of Electrical Engineering.

(7) The scholarship shall be awarded by the Academic Board on the recommendation of a selection committee consisting of the Dean of the Faculty of Engineering, who shall be Chairman, and the Professors, Associate Professors and Readers in the Department of Electrical Engineering. If the Dean of the Faculty is a Professor of Electrical Engineering, one of the other Professors of Engineering shall be appointed to the committee by the Faculty of Engineering.

### Faculty of Law<sup>1</sup>

#### **Gustav and Emma Bondy Postgraduate Prize in Jurisprudence**

Established in 1971 by a gift of \$700 from Dr and Mrs Otto Bondy.

Awarded annually, on the recommendation of the head of the Department of International Law and Jurisprudence, to the best student at the annual postgraduate examinations in the subject Jurisprudence. Value, \$100.

#### **Charles Augustus Coghlan Scholarship**

Established in 1963 by a bequest of £5000 from Miss E. F. A. Coghlan to establish a scholarship in Law in memory of her father, C. A. Coghlan, KC, MA LL.D. Until otherwise determined, the scholarship shall be awarded under the following conditions:

- (1) The name of the scholarship shall be the Charles Augustus Coghlan Scholarship.
- (2) The scholarship shall be tenable for one year and may be extended for a further year.
- (3) The scholarship shall be open to any graduate in Law of the University of Sydney who proposes to pursue advanced legal studies either within the Faculty of Law in the University of Sydney or elsewhere or to any graduate in Law of any other university who proposes to pursue advanced legal studies in the Faculty of Law in the University of Sydney.
- (4) (a) The scholarship shall be valued at \$10 500 per annum.
- (b) One travel grant equal to one economy class air fare at student or other concession rate, if applicable, will be paid to enable the scholar to travel from his or her normal place of residence to the university at which the scholar proposes to enrol. Upon expiry of the scholarship a second grant under similar conditions may be made available to allow the scholar to return to his or her normal place of residence, provided that the travel grants do not exceed \$2000 in total for any one scholar.
- (5) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the

Academic Board, the Dean of the Faculty of Law and the Professors in the Faculty of Law.

#### **Committee for Postgraduate Studies in the Department of Law Scholarship**

Established in 1970 by the Committee for Postgraduate Studies in the Department of Law to encourage graduates to pursue postgraduate studies within the Faculty of Law of the University, the scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Committee for Postgraduate Studies in the Department of Law Scholarship.
- (2) One scholarship shall be available each year.
- (3) The scholarship is available to students who enrol as full-time candidates for the degree of Master of Laws by coursework or by thesis in the University of Sydney, or in exceptional circumstances to candidates who enrol for the degree of Doctor of Philosophy.
- (4) The scholarship shall be valued at \$10 500 per annum subject to approval of the Finance Committee. It shall be tenable for one year but may be renewed for a second year in the case of LLM candidates, or shall be tenable for three years but may be renewed for a fourth year in the case of PhD candidates.
- (5) Except with the permission of the Committee, the holder of a scholarship may not undertake any paid employment.
- (6) A grant-in-aid, equal to the cost of all compulsory subscriptions and fees payable in order to enrol at the University of Sydney, will be made available to the holder of a scholarship.
- (7) If the holder of a scholarship normally resides in a city or a town elsewhere in Australia or overseas, a travel allowance up to an amount equal to one economy class air fare at student or other concession rate, if applicable, will be paid to enable the scholar to travel to Sydney from the scholar's normal place of residence to take up the scholarship. Upon expiry of the scholarship a similar grant may be made available to assist the scholar to return to the scholar's normal place of residence.
- (8) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Law and the professors in the Faculty of Law.

#### **Committee for Postgraduate Studies in the Department of Law Supplementary Scholarships**

Established in 1985 with funds committed by the Committee for Postgraduate Studies in the Department of Law to provide additional assistance for holders of postgraduate study awards in the Faculty of Law.

The scholarships shall be awarded under the following conditions:

- (a) Each scholarship shall be named a Committee for Postgraduate Studies in the Department of Law Supplementary Scholarship.
- (b) The scholarships may be awarded in 1985 and each year thereafter subject to the availability of funds.
- (c) The scholarships shall be available only to holders of postgraduate study awards in the Departments of Law and Jurisprudence.
- (d) The scholarships shall be awarded by the Committee for Postgraduate Studies in the De-

<sup>1</sup> Note the following schedule of awards with respect to certain scholarships in the Faculty of Law:

*Charles Augustus Coghlan Scholarship*

Awarded every four years. First award end 1985.

*W. A. Cooke Scholarship*

Awarded every two years. First award end 1984.

*Jane Cooke Scholarship*

Awarded every three years. First award end 1984.

*Alfred Godfrey Scholarship*

Awarded every two years. First award end 1983.

*Arthur Nelson Littlejohn Scholarship*

Awarded every four years. First award end 1985.

All awards are subject to the availability of funds.

partment of Law on the recommendation of the Chairman of that Committee.

(e) The scholarships may be in the form of a supplementary living allowance, a travel grant, or grant-in-aid.

(f) The value of each scholarship shall be in the range of \$1000 to \$5000 and shall be determined by the Committee for Postgraduate Studies in the Department of Law on the recommendation of the Chairman of that Committee.

#### **W. A. Cooke Scholarship and The Jane Cooke Scholarship**

Established in 1963 by bequests from Clarence Hudson Cooke and Raymond L. Cooke. Clarence Hudson Cooke bequeathed his estate to the University on trust to divide the same into two equal parts and invest each part in certain authorised investments for the purpose of founding two scholarships to be known as the W. A. Cooke Scholarship and the Jane Cooke Scholarship in connection with such branches of knowledge as the University shall think fit. Raymond L. Cooke bequeathed his estate to the University without attaching any specific trusts.

The moneys in the Raymond L. Cooke estate were added to the moneys in the estate of Clarence Hudson Cooke and the total amount was divided into two equal parts.

##### **W. A. Cooke Scholarship**

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the W. A. Cooke Scholarship.
- (2) The scholarship shall be tenable for one year and may be extended for a further year.
- (3) The scholarship shall be open to any graduate in Law of the University of Sydney who proposes to pursue advanced legal studies either within the Faculty of Law in the University of Sydney or elsewhere or to any graduate in Law of any other university who proposes to pursue advanced legal studies in the Faculty of Law in the University of Sydney.

(4) (a) The scholarship shall be valued at \$10 500 per annum.

- (b) One travel grant equal to one economy class air fare at student or other concession rate, if applicable, will be paid to enable the scholar to travel from his or her normal place of residence to the university at which the scholar proposes to enrol. Upon expiry of the scholarship a second grant under similar conditions may be made available to allow the scholar to return to his or her normal place of residence, provided that the travel grants do not exceed \$2000 in total for any one scholar.

(5) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Law and the Professors in the Faculty of Law.

##### **Jane Cooke Scholarship**

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Jane Cooke Scholarship.
- (2) The scholarship shall be tenable for one year and may be extended for a further year.
- (3) The scholarship shall be open to any graduate

in Law of the University of Sydney who proposes to pursue advanced legal studies either within the Faculty of Law in the University of Sydney or elsewhere or to any graduate in Law of any other university who proposes to pursue advanced legal studies in the Faculty of Law in the University of Sydney.

(4) (a) The scholarship shall be valued at \$10 500 per annum.

- (b) One travel grant equal to one economy class air fare at student or other concession rate, if applicable, will be paid to enable the scholar to travel from his or her normal place of residence to the university at which the scholar proposes to enrol. Upon expiry of the scholarship a second grant under similar conditions may be made available to allow the scholar to return to his or her normal place of residence, provided that the travel grants do not exceed \$2000 in total for any one scholar.

(5) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Law and the Professors of the Faculty of Law.

#### **Freehill, Hollingdale and Page Prize**

Established in 1973 by an offer of \$200 per annum from Freehill, Hollingdale and Page.

Awarded annually on the recommendation of the head of the Department of Law to the candidate for the degree of Master of Laws by coursework who is most proficient in the course Public Company Finance, provided the candidate's work is of sufficient merit. Value, \$200.

#### **Alfred Godfrey Scholarship**

Established in 1981 by a bequest of one-half of the net residue of the estate of the late Florence May Padbury to the University of Sydney Law School for the purpose of establishing a scholarship in the Faculty of Law in memory of her late father, Alfred Godfrey, who was a solicitor practising in Sydney.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Alfred Godfrey Scholarship.
- (2) The scholarship shall be tenable for one year and may be extended for a further year.
- (3) The scholarship shall be open to any graduate in Law of the University of Sydney who proposes to pursue advanced legal studies either within the Faculty of Law in the University of Sydney or elsewhere or to any graduate in Law of any other university who proposes to pursue advanced legal studies in the Faculty of Law in the University of Sydney.

(4) (a) The scholarship shall be valued at \$10 500 per annum.

- (b) One travel grant equal to one economy class air fare at student or other concession rate, if applicable, will be paid to enable the scholar to travel from his or her normal place of residence to the university at which the scholar proposes to enrol. Upon expiry of the scholarship a second grant under similar conditions may be made available to allow the scholar to return to his or her normal place of residence, provided that the

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travel grants do not exceed \$2000 in total for any one scholar.

- (5) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Law and the Professors in the Faculty of Law.

#### **Law Graduates' Association Medal**

Established in 1969 by the offer of the Sydney University Law Graduates' Association to establish an annual prize in the form of a medal.

Awarded annually to the most distinguished student graduating Master of Laws in the Faculty of Law, provided he is of sufficient merit.

#### **Arthur Nelson Littlejohn Scholarship**

Established in 1981 by a bequest of £7000 from the late Winton Edith Littlejohn to establish a fund known as the Arthur Nelson Littlejohn Scholarship Fund, the income from which was to be applied to purposes directly or indirectly connected with the Faculty of Law.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Arthur Nelson Littlejohn Scholarship.
- (2) The scholarship shall be tenable for one year and may be extended for a further year.
- (3) The scholarship shall be open to any graduate in Law of the University of Sydney who proposes to pursue advanced legal studies either within the Faculty of Law in the University of Sydney or elsewhere or to any graduate in Law of any other university who proposes to pursue advanced legal studies in the Faculty of Law in the University of Sydney.
- (4) (a) The scholarship shall be valued at \$10 500 per annum.
- (b) One travel grant equal to one economy class air fare at student or other concession rate, if applicable, will be paid to enable the scholar to travel from his or her normal place of residence to the university at which the scholar proposes to enrol. Upon expiry of the scholarship a second grant under similar conditions may be made available to allow the scholar to return to his or her normal place of residence, provided that the travel grants do not exceed \$2000 in total for any one scholar.

- (5) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Law and the Professors in the Faculty of Law.

#### **Maritime Law Association of Australia and New Zealand Prize**

The prize was established in 1983 through an offer from the Maritime Law Association of Australia and New Zealand, which wished to recognise proficiency in the subject international transport law.

The prize may be awarded on the recommendation of the Board of Postgraduate Studies of the Faculty of Law, to the candidate for the degree of Master of Laws who shows greatest proficiency in the subject international transport law, provided that the candidate's work is of sufficient merit.

Value, \$100.

#### **J. H. McClemens Memorial Prize in Criminology No. 2**

Established in 1978, following an appeal inaugurated by the Institute of Criminology under the chairmanship of the Chief Justice of New South Wales, to endow a prize fund in memory of the Hon. Mr Justice J. H. McClemens, Chief Judge at Common Law of the Supreme Court of New South Wales, who for many years was active in the affairs of the Institute as Deputy Chairman.

The prize may be awarded annually by the Board of Postgraduate Studies of the Faculty of Law to the candidate completing the degree of Master of Laws who has achieved the highest aggregate examination mark in at least two courses in the area of Criminology, provided that the candidate's work is of sufficient merit. Value, \$150.

#### **J. H. McClemens Memorial Prize in Criminology No. 3**

Established in 1980 following an appeal inaugurated by the Institute of Criminology under the chairmanship of the Chief Justice of New South Wales to endow a memorial fund and prizes to honour the memory of The Hon. Mr Justice J. H. McClemens, Chief Judge at Common Law of the Supreme Court of New South Wales who for many years was active in the affairs of the Institute as Deputy Chairman.

To be awarded annually by the Board of Postgraduate Studies Examiners of the Faculty of Law to the most proficient candidate who completes the Diploma in Criminology provided that the candidate's work is of sufficient merit. Value, \$150.

For the J. H. McClemens Memorial Prize in Criminology No. 1, see the Undergraduate Section.

#### **Postgraduate Student Loans**

The Committee for Postgraduate Studies in the Department of Law has established a loan fund to assist especially meritorious students wishing to undertake postgraduate studies in law either at the University of Sydney or an approved overseas university. Up to \$1000 will be loaned, free of interest, depending on the needs of the applicant. Repayments will usually be in equal monthly instalments, commencing immediately upon graduation or on discontinuation from the postgraduate course and will extend over twenty-four months.

Applications should be made to the Chairman of the Committee for Postgraduate Studies in the Department of Law, 173-175 Phillip Street, Sydney, N.S.W. 2000, and should be accompanied by a letter of acceptance into a postgraduate programme in law and a statement setting out financial assistance which has been granted or for which applications are still pending.

#### **Nancy Gordon Smith Memorial Prizes**

Established in 1983 by a bequest of \$10 000 from Nancy Gordon Smith, who graduated Bachelor of Laws (1959) and Master of Laws (1970) in the University of Sydney. At the time of her death she held the positions of Senior Solicitor and Deputy Secretary to the Reserve Bank of Australia.

#### **Nancy Gordon Smith Postgraduate Prize**

The prize may be awarded annually on the recommendation of the Board of Postgraduate Studies of the Faculty of Law, to the most proficient candidate for the degree of Master of Laws by coursework, provided that the candidate's work is of sufficient merit. Value, \$400.



### *Nancy Gordon Smith Prizes for Honours at Graduation*

Up to five prizes of \$100 each may be awarded annually on the recommendation of the Board of Examiners of the Faculty of Law to the first five candidates for the degree of Bachelor of Laws who obtain First Class Honours at graduation.

### **University of Sydney Foundation Prize**

Established in 1980 by an allocation of funds from the Governors of the Trustee of the University of Sydney Foundation for a prize in Law.

The prize is to be awarded annually by the Board of Postgraduate Studies Examiners of the Faculty of Law to the candidate for the degree of Master of Laws who gains first position in the subject Income Tax Law II provided that the candidate's work is of sufficient merit. Value, \$200.

### **Dawson Waldron Prizes**

Established in 1982 by the offer of an annual donation from Dawson Waldron, Solicitors, to establish two prizes, to recognise excellence in studies in an area of law in which the firm practises.

#### *Dawson Waldron Prize in Securities Regulation*

The Prize in Securities Regulation may be awarded annually on the recommendation of the Board of Postgraduate Studies of the Faculty of Law, to the candidate for the degree of Master of Laws who is most proficient in the course Securities Regulation, provided that the candidate's work is of sufficient merit. Value, \$150.

#### *Dawson Waldron Prize in Revenue Law*

The Prize in Revenue Law may be awarded annually on the recommendation of the Board of Examiners of the Faculty of Law to the candidate for the degree of Bachelor of Laws who is most proficient in the course Revenue Law (basic or extended), provided that the candidate's work is of sufficient merit. Value, \$150.

## **Faculty of Medicine**

The following postgraduate fellowships and scholarships in the Faculty of Medicine are now awarded on the recommendation of the Medical Research Committee:

Reginald Maney Lake and Amy Laura Bonamy Scholarship for Research in Pathology and Bacteriology

Anderson Stuart Memorial Research Fellowship

Marian Clare Reddall Scholarship

Liston Wilson Fellowship

Sister Sanders Scholarship

Norman Haire Fellowship

William Henry Harris Scholarship

Vernon Barling Memorial Scholarship

Joseph Goodburn-Smith Scholarship—awarded in conjunction with one or more of the above scholarships or fellowships.

In 1985 the value of each of these awards, with the exception of the Sister Sanders Scholarship, was between \$11 160 and \$12 760 per annum according to the qualifications and experience of the appointee. The income from the various fellowship and scholarship funds is supplemented by grants from the Consolidated Medical Research Fund, the Postgraduate Medical Foundation and the University Research Grant.

The Consolidated Medical Research Fund consists of the income from the following private foundations,

together with an annual grant from the National Health and Medical Research Council:

Hebden Research Fund

Alexander Andrew Dalziel Fund

Dr George Walker Fund

W. A. King Fund

Hilda Violet Marks Fund

Miriam Rachel Hirst Fund

Helen Isabella Denny Fund

William and Amy Lewis Trust

Aldyth Ettie Quaife Fund

In September of each year a list of the scholarships which will be available for award on 1 January in the following year is circulated to heads of departments in the Faculty of Medicine, the various teaching hospitals and professional associations.

### **Phyllis Anderson Research Fellowship**

Under the will of the late Phyllis Anderson the residuary estate was bequeathed to the University 'to be applied for the purposes of the Faculty of Medicine in such manner as the Senate may determine'.

In 1959 the Senate approved a recommendation of the Faculty of Medicine that the income from the fund be devoted to the advancement of fundamental research in medicine by supporting a fellowship and / or providing other assistance for such work. The fellowship is awarded under the following conditions:

(1) The name of the fellowship shall be the Phyllis Anderson Research Fellowship.

(2) The object of the fellowship shall be to promote and encourage fundamental research in any branch of medical science in the Faculty of Medicine in the University of Sydney.

(3) The fellowship shall be open to candidates who are graduates of the University of Sydney or of any other university.

(4) The fellowship shall be of such sum as the Faculty may from time to time determine, payable half-yearly in advance and shall in the first instance be awarded for one year only, but may be renewed from year to year.

(5) The Fellow shall carry out his investigations in one of the Departments of the Faculty of Medicine or, with the approval of the Faculty of Medicine, elsewhere, and shall be required to devote himself full-time to the research specified in his application or to such other research as may be approved by the head of the department in which the work is carried out.

(6) Except with the consent of the Vice-Chancellor, the holder of the fellowship shall not be permitted to undertake any employment for payment during the tenure of his fellowship.

(7) Each Fellow shall transmit to the Registrar half-yearly a formal report on the progress of his work and the continued tenure of the fellowship shall be subject to these reports being judged satisfactory. At the conclusion of the tenure of the fellowship each Fellow shall submit a paper or report embodying the results of his investigations or experience.

(8) Applications should be made to the Registrar.

(9) Fellowships shall be awarded by the Academic Board on the recommendation of the Faculty of Medicine.

### **Australian and New Zealand Society of Occupational Medicine Prize**

Established in 1982 by the offer from the Australian and New Zealand Society of Occupational Medicine

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of a prize in Occupational Health of an annual gift of books.

Awarded annually on the recommendation of the Director of the Commonwealth Institute of Health and the Head of the Department of Occupational and Environmental Health to a candidate for the degree of Master of Public Health for proficiency in the coursework for the Occupational Health stream of the degree, provided that the candidate's work is of sufficient merit.

The prize shall be in the form of an authority to purchase textbooks in any field of Occupational Health to the value of \$200. The books will be inscribed and signed by the President of the Society and the Head of the Department of Occupational and Environmental Health. In the event of two or more students being deemed to be of equal merit, the prize may be shared.

**Anthony Pierre Balthasar Scholarship in Anaesthetics**  
Established in 1981 by a bequest of \$50 000 from the late Dr Anthony Pierre Balthasar, MB BS DA, MFARCS FFARCS, for the purpose of supporting research into anaesthesia for medical purposes.

The Scholarship shall be awarded under the following conditions:

- (1) The name of the Scholarship shall be the Anthony Pierre Balthasar Scholarship in Anaesthetics.
- (2) The object of the Scholarship shall be to promote research into anaesthesia for medical purposes in the University of Sydney.
- (3) The Scholarship shall be awarded to a graduate of the University of Sydney or other university or tertiary institution who wishes to undertake research in the Department of Anaesthetics of the University of Sydney.
- (4) The value of the Scholarship shall depend on the needs of the holder and shall not exceed the accumulated income from the bequest. The value of other emoluments held may be taken into consideration when the award is being made. The Scholarship may be held in conjunction with any other endowed research scholarship or fellowship and may be in the form of a stipend or grant-in-aid.
- (5) The Scholarship shall be awarded by the Medical Research Committee of the Faculty of Medicine on the recommendation of a selection committee consisting of the Dean of the Faculty and the Nuffield Professor of Anaesthetics.
- (6) The Scholarship shall be tenable for one year in the first instance and shall be awarded as funds are available. The Scholarship may be renewed for a second or third year on the recommendation of the selection committee.
- (7) The scholar shall submit to the Registrar half-yearly a formal report on work progress. The continued tenure of the Scholarship will be subject to the report being judged to be satisfactory.
- (8) At the conclusion of the tenure of the Scholarship the scholar shall submit a paper or report embodying the results of the investigations. If any work is published as a result of holding the Scholarship the scholar shall acknowledge the tenure of the Scholarship.

**Peter Bancroft Prize**

Founded in 1923 by a bequest of £1000 from the late Louise Bancroft of Brisbane, for an annual prize in memory of her husband, Peter Bancroft, MB.

The prize is awarded annually for the best piece of research work in any subject of the medical curriculum by a candidate for a degree in or a graduate of the Faculty of Medicine of the University of Sydney as described in a thesis, publication or essay. In the case of a thesis for a degree this must have been submitted for the degree within the preceding calendar year. In the case of a publication this must have been published within the preceding calendar year. In the case of a specially written essay, the research which it describes must have been carried out substantially within the previous two calendar years.

The award is made by the Faculty of Medicine on the recommendation of a committee of the Faculty. Value, \$1200.

**Vernon Barling Memorial Fellowship**

Established in 1981 by colleagues of Eric Vernon Barling, MBE, MB BS, FRCS FRACS FACS, who died in a motor car accident in 1978 after having been for many years a clinical teacher in the Department of Surgery of the University.

The Fellowship is awarded under the following conditions:

- (1) The name of the Fellowship shall be the Vernon Barling Memorial Fellowship.
- (2) The object of the Fellowship shall be to assist young surgeons in Australia who wish to undertake further clinical surgical training overseas prior to taking up hospital appointments in Australia. Preference will be given to those applicants without sufficient means to undertake clinical surgical training overseas.
- (3) The Fellowship shall be awarded to a person holding the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Sydney, or equivalent degrees of an approved institution, who wishes to undertake clinical surgical training at an overseas institution or institutions approved from time to time by the Faculty of Medicine.
- (4) The annual income from the Fund shall be available for award for the Fellowship.
- (5) The Fellowship shall be tenable for one year only and will be awarded as funds are available. The Fellowship may be held in conjunction with any other endowed scholarship or fellowship, as a travel grant or grant-in-aid.
- (6) The Fellowship shall be awarded by the Medical Research Committee of the Faculty of Medicine in the same way as other postgraduate medical awards.
- (7) At the conclusion of the tenure of the Fellowship, the fellow shall submit a paper or report embodying the results of the investigations or experience. If any work is published as a result of holding a Fellowship, the fellow shall acknowledge the tenure of the Fellowship.

**Nina Annie Campbell Postgraduate Medical Scholarship**

Founded in 1965 by a bequest from the late Miss N. A. Campbell for the purpose of establishing a scholarship for postgraduate medical research.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Nina Annie Campbell Postgraduate Medical Scholarship.

(2) The object of the scholarship shall be to promote and encourage research in any branch of medical science in the Faculty of Medicine in the University of Sydney.

(3) The scholarship shall be open to candidates who are graduates of the University of Sydney, or other universities.

(4) The scholarship shall be of such sum as the Faculty may from time to time determine. In addition, at the discretion of the Faculty an amount of money may be available for the payment of fees and expenses. In the first instance, the scholarship shall be awarded for one year only, but may be renewed from year to year.

(5) The scholar shall carry out his investigations in one of the Departments of the Faculty of Medicine or, with the approval of the Faculty of Medicine, elsewhere, and shall be required to devote himself full-time to the research specified in his application or to such other research as may be approved by the head of the department in which the work is carried out.

(6) Except with the consent of the Vice-Chancellor, the holder of the scholarship shall not be permitted to undertake any employment for payment during the tenure of his scholarship.

(7) Applications should be made to the Registrar.

(8) Scholarships shall be awarded by the Faculty of Medicine.

(9) The conditions governing the award of the scholarship may be varied from time to time as the Academic Board thinks fit.

#### **Centenary Fellowships for Medical Technicians**

Established in 1983 by the donation of \$50 000 from Mrs N. W. G. Macintosh to mark the Centenary of the Medical School of the University of Sydney.

The fellowships are awarded under the following conditions:

(1) Each fellowship shall be known as a Centenary Fellowship for Medical Technicians.

(2) The object of the fellowships is to provide opportunities for medical technicians to travel in order to acquire further professional knowledge and experience.

(3) The fellowships shall be open to permanent full-time technical staff who are tenured employees of the University and who are employed within the Faculty of Medicine and the Department of Biochemistry. Preference shall be given to those staff who work within the Departments of Anatomy, Histology and Embryology, Physiology and Biochemistry.

(4) The value of a fellowship may be up to the annual income of the fund, and shall be determined by the Selection Committee defined in (6) below.

(5) More than one fellowship may be awarded in any one year provided that the total value of all fellowships awarded shall not exceed the annual income of the fund.

(6) The fellowships shall be awarded by a Selection Committee consisting of the Deputy Vice-Chancellor (Research), who shall preside, the Dean and the Sub-Dean (Preclinical) of the Faculty of Medicine, and a senior technician.

(7) The Selection Committee shall take into account the merit of each applicant and of the proposed studies programme, and the extent to which the applicant and department would benefit professionally.

#### **James and Margaret Claffy Research Fellowship in Ophthalmology**

Founded in 1964 by a gift of £23 000 from an anonymous donor. The endowment may be used for a part-time research fellowship (at present \$2000 per annum) or, a full-time research fellowship (at present \$6000 per annum) or, a full-time training fellowship for medical graduates proceeding to a higher degree (present rates \$3780–\$4300 per annum) or, a travelling fellowship (at present \$4000 per annum) or, a grant-in-aid for research.

(1) The name of the fellowship shall be the James and Margaret Claffy Fellowship in Ophthalmology.

(2) The fellowship shall be awarded by the Academic Board of the University of Sydney, acting on the recommendation of the Faculty of Medicine.

(3) The Fellow shall carry out in the Sydney Eye Hospital research and investigation into diseases of the retina and particularly detachment of the retina.

(4) The fellowship shall be tenable in the first instance for one year, but it may be renewed for one or more years at the discretion of the Academic Board.

(5) Each Fellow shall transmit to the Registrar half-yearly a formal report on the progress of his work, and the continued tenure of the fellowship shall be subject to these reports being judged to be satisfactory. At the conclusion of the tenure of the fellowship each Fellow shall submit a paper or report embodying the results of his research and investigations.

(6) The conditions governing the award of the fellowship may be varied from time to time as the Senate thinks fit.

#### **Cottees General Foods Prize for Nutrition**

Established in 1979 by the offer of an annual donation of \$100 from Cottees General Foods Limited.

Awarded annually on the recommendation of the Boden Professor of Human Nutrition to a candidate for the degree of Master of Public Health for proficiency in the human nutrition component of coursework for the degree, provided the candidate's work is of sufficient merit. Value, \$100.

#### **Dr Gordon Craig Fellowship in Urology**

Dr Gordon Craig, of Macquarie Street, Sydney, having in the years 1926–31 made donations to the University, in the form of money, laboratory equipment, and books amounting in all to about £20 000, there was founded in 1926, out of the income, the Dr Gordon Craig Fellowship in Urology, of the annual value of £100 (subsequently raised to \$1200<sup>1</sup>), tenable for three years. The balance of the income is used for the maintenance of the Urology Laboratory.

The fellowship is intended to encourage and advance research in Urology by systematised postgraduate teaching upon lines similar to those adopted in university hospitals abroad.

#### **Thomas and Ethel Mary Ewing Scholarships in Medicine**

Established in 1964 by a bequest from Dr Thomas Ewing to establish and maintain a travelling research scholarship or scholarships to be known as the Thomas and Ethel Mary Ewing Scholarship or Schol-

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<sup>1</sup> In recent years the value of this Fellowship has been supplemented from other sources by an amount determined from year to year.

arships, to be awarded to graduates of the University in the Faculty of Medicine and of the Sydney Teachers' College in rotation. The Scholarship in Medicine is awarded under the following conditions:

- (1) The name of the scholarship shall be the Thomas and Ethel Mary Ewing Scholarship in Medicine.
- (2) The scholarships shall be awarded to graduates in the Faculty of Medicine of the University of Sydney to enable them to carry out study or research in an overseas institution or institutions approved from time to time by the Faculty of Medicine.
- (3) The value of each scholarship shall be at the rate of not less than \$2500 per annum and not more than \$5000 per annum.
- (4) The scholarships shall be awarded for a period of up to one year in the first instance, but may be renewed for a second or third year.
- (5) The scholarships will be awarded by the Faculty of Medicine on the recommendation of the Medical Research Committee.
- (6) No scholar shall be permitted, without the approval of the Vice-Chancellor, to occupy any salaried position or to undertake any employment for pay during the tenure of the scholarship.
- (7) The scholar shall continue to hold the scholarship in accordance with the above conditions only so long as his work is considered to be satisfactory by the Faculty of Medicine.
- (8) The number of scholarships offered and the conditions governing the award of the scholarships may be varied from time to time by the Academic Board on the recommendation of the Faculty of Medicine.

#### **Foundation for Research and Treatment of Alcoholism and Drug Dependence of New South Wales Prize**

The prize was established in 1960 by an offer of an annual donation from the Foundation for Research and Treatment of Alcoholism and Drug Dependence of New South Wales. In 1977, with the agreement of the Foundation, both medical and non-medical graduates of the University of Sydney became eligible.

The prize may be awarded annually for a study (such as an essay, research report or thesis) of exceptional merit on the clinical scientific aspect of alcoholism or other drugs of dependence produced by a graduate of not more than five years' standing from the award of the first degree appropriate to the field. The prize may be shared if the work of two or more candidates is deemed to be of equal merit.

The prize shall be awarded on the recommendation of the Dean of the Faculty of Medicine. Value, \$250.

#### **Joseph Goodburn-Smith Scholarship**

Founded in 1955 by a bequest of £3250 from the late Mrs Emily Beatrice Goodburn-Smith for the purpose of establishing a medical research scholarship to be known as the Joseph Goodburn-Smith Medical Research Scholarship.

It has been decided that the scholarship shall be awarded in conjunction with any other endowed medical research scholarship or fellowship.

#### **Agnes Guthrie Prize**

Founded in 1940 by a bequest of £1570 from the late Robert Guthrie to establish the Agnes Guthrie Prize for Medical Research.

Awarded by the Medical Research Committee of the Faculty of Medicine to assist a medical graduate of

the University to continue medical research already commenced. Other things being equal, it is understood that preference will be shown to candidates concentrating on research on arteriosclerosis or an allied subject. The prize will be awarded annually and the amount of the award will be the yearly income from the capital value of the bequest.

#### **Norman Haire Fellowship**

Under the will of the late Norman Haire, the residue of his estate was bequeathed to the University to be applied in such a manner as the Senate may determine for the study of Sexology.

In 1952 the Senate approved the following conditions relating to the acceptance of Norman Haire's bequest:

- (1) The income from the bequest to be applied to original research on sex, continuing and expanding work of the kind which is already being done in the Faculty of Medicine.
- (2) The fund to be named the Norman Haire Fund.
- (3) From time to time a fellowship, called the Norman Haire Fellowship, to be awarded upon the recommendation of the Faculty of Medicine for research in the field stated.
- (4) The fellowship to be tenable for one year, but in the event of the Fellow undertaking approved work likely to extend over more than this period, the Faculty may recommend at the time of appointment, that the tenure be extended to two years. A fellow may be eligible for reappointment.
- (5) Any additional revenue may be used for publication with the approval of the Senate.

#### **Garnet Halloran Prize**

Established in 1965 by the bequest of \$1000 from the late Dr G. R. Halloran, to establish a prize 'for the best thesis on the subject of cancer of the head and/or chest, or other associated subjects'. The fund was augmented in 1972 by a further gift of \$720 from Mrs Winifred L. Halloran, the widow of Dr Halloran. The prize is to be awarded under the following conditions:

- (1) The prize is to be known as the Garnet Halloran Prize.
- (2) The prize will be awarded every two years provided there is a candidate of sufficient merit.
- (3) To be eligible to submit a thesis for consideration for the prize an applicant must be a graduate in Medicine of the University of Sydney or if a graduate in Medicine from another university have at least one year of teaching and/or research experience in the University of Sydney or an associated teaching hospital.
- (4) The thesis which may be submitted for consideration may comprise a thesis submitted for a higher degree or an essay, or published work, on the subject of 'cancer of the head and/or chest, or other associated subjects'.
- (5) Theses must be lodged with the Registrar in Trinity Term in the year in which the award is to be made.
- (6) The prize will be awarded by the Dean of the Faculty of Medicine on the recommendation of a committee to be appointed as need arises by the Faculty of Medicine. Value, \$800.

#### **William Henry Harris Scholarship**

Established in 1983 by a bequest of \$11 500 from Dr William Henry Harris. Dr Harris graduated MB ChM in 1897 in the University of Sydney. The purpose of the

bequest was to found scholarships or prizes to promote and encourage research into cancer or its related conditions or any other disease affecting humans. On the advice of the Faculty of Medicine, the Academic Board resolved that the fund be used to support a postgraduate scholarship. The scholarship is awarded under the following conditions:

- (1) The name of the Scholarship shall be the William Henry Harris Scholarship.
- (2) The scholarship shall be awarded by the Faculty of Medicine on the recommendation of the Medical Research Committee on the basis of academic merit and appropriateness of the proposed programme of research.
- (3) The scholarship may only be awarded to an applicant who is eligible for admission to candidature for a higher degree by research and who enrolls accordingly.
- (4) The scholarship shall be tenable for one year in the first instance but may be renewed on the recommendation of the Medical Research Committee for a second year, and, in the case of a PhD candidate, a third year.
- (5) The value of the scholarship shall be determined by the Medical Research Committee at the time of award.

#### **Reginald Maney Lake and Amy Laura Bonamy Scholarship for Research in Pathology and Bacteriology**

The Reginald Maney Lake Pathological Research Scholarship was founded in 1926 by a gift of 250 £10 shares in a public company by an anonymous donor for the promotion of pathological research. The scholarship is open to graduates of the Medical School of the University who are prepared to devote their whole time to pathological research work.

This scholarship is awarded in conjunction with the Amy Laura Bonamy Scholarship which was established in 1948 by a bequest of £5516 from the late Mrs N. M. B. Cowburn.

#### **Henry Langley Scholarship**

Established in 1972 by a bequest from the late Henry Langley for the purpose of establishing a medical research scholarship for research into the treatment of rheumatoid arthritis.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Henry Langley Scholarship.
- (2) The scholarship shall be for medical research into the treatment of rheumatoid arthritis. The scholar shall carry out his investigation in one of the Departments of the Faculty of Medicine in the University of Sydney, and shall be required to devote himself full-time to the research specified in his application or to such other research as may be approved by the head of the department in which the work is carried out.
- (3) The scholarship shall be open to candidates who are graduates of the University of Sydney, or other universities.
- (4) The scholarship shall be awarded by the Faculty of Medicine and shall in the first instance be awarded for one year only, but may be renewed from year to year. The scholarship may be awarded in conjunction with any other endowed medical research scholarship or fellowship.
- (5) Except with the consent of the Vice-Chancellor, the holder of the scholarship shall not

be permitted to undertake any employment for payment during the tenure of his scholarship.

(6) The annual income from the bequest shall be used for the scholarship.

(7) The conditions relating to the award of the scholarship may be varied by the Academic Board, acting on the recommendation of the Faculty of Medicine.

#### **Ewan Staunton McKinnon Scholarship**

Established in 1969 by a bequest of \$20 000 from the late Mary Anne McKinnon.

The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the Ewan Staunton McKinnon Scholarship.
- (2) The scholarship shall be for medical research in the Faculty of Medicine in the University of Sydney. The scholar shall carry out his investigations in one of the Departments of the Faculty of Medicine, and shall be required to devote himself full-time to the research specified in his application or to such other research as may be approved by the head of the department in which the work is carried out.
- (3) The scholarship shall be open to candidates who are graduates of the University of Sydney, or other universities.
- (4) The scholarship shall be awarded by the Faculty of Medicine and shall in the first instance be awarded for one year only, but may be renewed from year to year. The scholarship may be awarded in conjunction with any other endowed medical research scholarship or fellowship.
- (5) Except with the consent of the Vice-Chancellor, the holder of the scholarship shall not be permitted to undertake any employment for payment during the tenure of his scholarship.
- (6) The annual income from the bequest shall be used for the scholarship.
- (7) The conditions relating to the award of the scholarship may be varied by the Academic Board, acting on the recommendation of the Faculty of Medicine.

#### **Herbert J. Marks Memorial Prize**

The Herbert Marks Memorial Fund was founded in 1933 and from 1947 the income from the fund has been applied to provide a Herbert Marks Memorial Prize in disease of the ear, nose and throat.

Awarded to any graduate of the University who submits a contribution in any one year on original work which adds to the knowledge and understanding of the diseases of the ear, nose and throat. Value, \$400 each year.

#### **Hugh Massie Travelling Scholarship in Ophthalmology**

The scholarship was established in 1980 from a donation of \$10 000 from Mrs M. Massie to establish a travelling scholarship in Ophthalmology in memory of her son, Hugh.

- (1) The name of the scholarship shall be the Hugh Massie Travelling Scholarship in Ophthalmology.
- (2) The objects of the scholarship shall be to further studies in ophthalmology and to encourage and promote ophthalmology at the University of Sydney.
- (3) The scholarship shall be awarded to a graduate of the University of Sydney who wishes to undertake postgraduate study at another Aus-

tralian university or at an overseas university or other approved institution.

(4) The annual income from the bequest shall be used for the scholarship.

(5) The scholarship will normally be tenable for one year only, and shall be awarded as funds are available. The scholarship may be awarded in conjunction with any other endowed medical research scholarship or fellowship.

(6) The scholarship shall be awarded by the Faculty of Medicine on the recommendation of the Medical Research Committee.

(7) The scholar shall not, except with the approval of the Vice-Chancellor, occupy any salaried position during the term of appointment.

(8) A scholar seeking continuation of the award shall submit to the Registrar a formal report on work progress. The continued tenure of the scholarship will be subject to the report being judged to be satisfactory.

(9) At the conclusion of the tenure of the scholarship, the scholar shall submit a paper or report embodying the results of the investigations or experience. If any work is published as a result of holding a scholarship, the scholar shall acknowledge the tenure of the scholarship.

#### **John Brooke Moore Scholarship in Surgery**

Established in 1979 by a bequest from the late Moira Brooke Moore to establish a postgraduate scholarship in Surgery to the memory of her father Dr John Brooke Moore, who practised surgery for many years in Bathurst, New South Wales. The scholarship is awarded under the following conditions:

(1) The name of the scholarship shall be the John Brooke Moore Scholarship in Surgery.

(2) The object of the scholarship shall be to further the training in surgery of a graduate of the Faculty of Medicine of the University of Sydney.

(3) The scholarship shall be awarded to a young graduate of the Faculty of Medicine of the University of Sydney who wishes to undertake further study in surgery at an Australian or overseas university or approved institution.

An applicant must have displayed, in the opinion of the Dean and the head of the Department of Surgery, an aptitude for surgery and be likely to devote himself or herself to the learning of surgery and the furthering of knowledge in that subject.

(4) The annual income from the bequest shall be used for the scholarship.

(5) The scholarship shall be awarded for one year in the first instance but may be renewed for a second or third year. The scholarship may be held in conjunction with any other postgraduate medical awards.

(6) The scholarship will be awarded by the Medical Research Committee of the Faculty of Medicine, in the same way as other postgraduate medical awards.

(7) The scholar may not, except with the approval of the Vice-Chancellor, occupy any salaried position during the term of appointment.

(8) The scholar shall submit to the Registrar half yearly a formal report on work progress. The continued tenure of the scholarship will be subject to the report being judged to be satisfactory.

(9) At the conclusion of the tenure of the scholarship, the scholar shall submit a paper or report embodying the results of the investigations or experience. If any work is published as a result of

holding a scholarship, the scholar shall acknowledge the tenure of the scholarship.

#### **Marion Clare Reddall Scholarship**

Founded in 1927 by a bequest of £3000 from Dr Osborne Henry Reddall for the purpose of founding an annual scholarship or bursary for research work in medical science. The scholarship is awarded under the following conditions:

(1) The scholarship shall be awarded by the Senate on the recommendation of the Faculty of Medicine for research in any branch of medical science.

(2) The scholarship shall be open to any graduate of the University of Sydney.

(3) During his tenure of the scholarship the holder shall prosecute his researches in some place approved by the Faculty of Medicine.

(4) The tenure of the scholarship shall be for one year but it may at the discretion of the Senate, be renewed for one or more years.

(5) At the discretion of the Faculty of Medicine, and with the approval of the Chancellor, the award of the scholarship may be withheld and the interest allowed to accumulate, in order that a larger sum may be available for subsequent years.

(6) Applications for the scholarship shall be in the hands of the Registrar by 1 October.

#### **A. J. Reynolds Prize**

Established in 1944 by a gift of £100 from A. J. Reynolds.

Awarded annually to the undergraduate or graduate in Medicine who submits the best essay dealing with research into causes, prevention, or cure of the disease of spondylitis in human beings. Value up to \$50.

#### **Edith Mary Rose Travelling Scholarship**

In 1979, the late Leonard Isaac Rose bequeathed the residue of his estate for the founding of a travelling scholarship or scholarships for graduates of the Faculty of Medicine or preclinical medical subjects in the University of Sydney (or for graduates of any faculty in the University of Sydney) upon such conditions as the Senate may from time to time determine, the scholarship to be known as the Edith Mary Rose Travelling Scholarship. The scholarship is awarded under the following conditions:

(1) The name of the scholarship shall be the Edith Mary Rose Travelling Scholarship.

(2) The object of the scholarship shall be to further studies in preclinical medical subjects.

(3) The scholarship shall be awarded to a graduate of the University of Sydney who wishes to undertake postgraduate study or research at an Australian university, other than the University of Sydney, or overseas institution or institutions approved from time to time by the Faculty of Medicine.

Applicants must show evidence of research experience or potential in the field of preclinical medical subjects.

(4) The value of the scholarship shall depend on the needs of the holder and shall not exceed the previous year's income from the bequest. The value of other emoluments held may be taken into consideration when the award is being made. The scholarship may be held in conjunction with any other endowed research scholarship or fellowship.

(5) The scholarship shall be awarded for one year

in the first instance but may be renewed for a second or third year.

(6) The scholarship shall be awarded by the Medical Research Committee of the Faculty of Medicine, in the same way as other postgraduate medical awards.

(7) The scholar may not, except with the approval of the Vice-Chancellor, occupy any salaried position during the term of appointment.

(8) The scholar shall submit to the Registrar half yearly a formal report of work progress. The continued tenure of the scholarship will be subject to the report being judged to be satisfactory.

(9) At the conclusion of the tenure of the scholarship, the scholar shall submit a paper or report embodying the results of the investigations or experience. If any work is published as a result of holding the scholarship, the scholar shall acknowledge the tenure of the scholarship.

#### **Sister Sanders Scholarship**

Established in 1936 under the bequest of £2000 from the late Maria F. Sanders for research work for the prevention of disease in children. The scholarship is awarded under the following conditions:

(1) The scholarship is awarded every three years for the term of one year; the value of the scholarship is the amount of the accumulated interest in the scholarship fund.

(2) The scholarship is awarded to a graduate of at least two years' standing.

(3) The scholar is required to carry out part-time research work into some aspect of the diseases of children, with particular reference to the preventive aspect.

(4) The scholar shall conduct his work either at the Royal Alexandra Hospital for Children or other hospitals specially approved by the Faculty, or in one of the departments of the University, and shall be required to furnish progress reports to the Faculty at six-monthly intervals.

(5) The scholar is given the privilege of residence free of charge at the Royal Alexandra Hospital for Children, where he shall be, for the purposes of discipline, under the control of the Chief Executive Officer and Medical Superintendent.

#### **Anderson Stuart Memorial Research Fellowship**

Founded in 1924 by a gift of £1400 from subscribers to a memorial of Sir Thomas Anderson Stuart, Professor of Physiology from 1883 to 1920, and Dean of the Faculty of Medicine for thirty-seven years. The fellowship is awarded under the following conditions:

(1) The name of the fellowship shall be the Anderson Stuart Memorial Research Fellowship.

(2) The fellowship shall be awarded once every three years by the Senate on the recommendation of the Faculty of Medicine, and the first award shall be made in the year 1927.

(3) The fellowship shall be tenable for one year by a graduate in Medicine of the University of Sydney.

(4) Every graduate applying for this fellowship shall state the subject and research work he proposes to carry out, and the place where he proposes to undertake the research.

(5) In the event of the fellowship not being awarded for any particular year in which it is available, it may be awarded in the next or subsequent year.

(6) In the case of all work published in the form of papers or reports as a result of holding the fellow-

ship, it shall be distinctly stated that the work was carried out whilst holding the Anderson Stuart Memorial Research Fellowship.

(7) The amount of the fellowship shall be \$450, or such other sum as the Senate may determine, payments to be made quarterly.

(8) Each Fellow shall be required to devote his whole time to the research specified in his letter of application for the fellowship, and shall be required to furnish a report on the progress of his investigations quarterly to the Faculty of Medicine. He may carry on his investigations in one of the laboratories of the University or elsewhere, subject to the approval of the Faculty of Medicine.

#### **Ethel Talbot Memorial Scholarship**

Founded in 1913 by a gift of £225 given by the subscribers to the Ethel Talbot Memorial Fund. The scholarship which is intended for the encouragement of research in the Faculty of Medicine, shall be awarded by the Medical Research Committee of the Faculty of Medicine to assist in work about to be undertaken. The annual income from the Fund shall be awarded each year.

#### **T. B. Walley Fellowship in Obstetrics**

Under the will of the late Percy Walley, the residue of the estate was bequeathed to the University for the endowment of a Fellowship in Obstetrics in the Faculty of Medicine, to be known as the T. B. Walley Fellowship in Obstetrics.

The fellowship has been established under the following conditions:

(1) The name of the fellowship shall be the T. B. Walley Fellowship in Obstetrics.

(2) The object of the fellowship shall be to enable graduates in the Faculty of Medicine in the University of Sydney to engage in research in Obstetrics at the University of Sydney or such other place as may be approved by the Faculty of Medicine.

(3) Each Fellow shall spend at least one year in research abroad.

(4) The value of the fellowship shall be \$2504, or such other sum as the Faculty of Medicine may from time to time determine.

(5) The fellowship shall be awarded by the Faculty of Medicine on the recommendation of the Dean of the Faculty of Medicine and the Professor of Obstetrics.

(6) The fellowship shall be tenable for two years in the first instance but may be renewed for a third year, and, in exceptional circumstances, for a fourth year.

(7) Each Fellow shall submit to the Registrar half-yearly a written report on the progress of his research and the tenure of the fellowship shall be subject to these reports being judged to be satisfactory. At the conclusion of the tenure of the fellowship each Fellow shall submit a report embodying the results of his research and shall state in the report that such research was carried out while holding the T. B. Walley Fellowship in Obstetrics.

#### **Liston Wilson Fellowship**

Founded in 1930 by a gift of \$5000 from A. Liston Wilson of Auckland, N.Z., to promote research into spastic paralysis. The fellowship is awarded under the following conditions:

(1) The fellowship shall be awarded by the Senate

of the University, acting on the recommendation of a committee consisting of the Dean of the Faculty of Medicine, the Professor of Anatomy, and a practising member of the medical profession to be appointed from time to time by the Senate.

(2) The holder of the fellowship should where possible be a graduate in Medicine, with experience in hospital and general practice for at least one year.

(3) The subject of research by the holder of the fellowship shall be spastic paralysis, or some closely allied subject.

(4) The holder may be a full-time Fellow or part-time Fellow as determined by the Senate on the recommendation of the committee, and the fellowship may be held in Sydney, or it may be a travelling fellowship. The tenure of the fellowship shall be for one year, but it may, at the discretion of the Senate, be renewed for one or more years. The Fellow shall be required to furnish, quarterly, to the committee a written report of his investigations.

(5) In the case of all work published as a result of holding any Liston Wilson Fellowship, the Fellow shall distinctly indicate in his publications that he is the holder of a Liston Wilson Fellowship of the University of Sydney.

#### **Kenneth Firth Vickery Scholarship**

Established in 1966 by a bequest of \$2000 from Dr Kenneth Firth Vickery to establish a scholarship in the field of cancer research. Dr Vickery graduated MB ChM in 1911 and DPH in 1920 in the University of Sydney.

The scholarship shall be awarded under the following conditions:

(1) The name of the scholarship shall be the Kenneth Firth Vickery Scholarship.

(2) The object of the scholarship is to promote research in the field of cancer.

(3) The scholarship may be awarded to full-time postgraduate students enrolled in the University of Sydney who are undertaking cancer research.

(4) The scholarship shall be awarded on the recommendation of the Dean of the Faculty of Medicine.

(5) The scholarship may be held in conjunction with any other postgraduate award and may be in the form of a supplementary living allowance, a travel grant or a grant-in-aid.

(6) The scholarship is valued at \$500 per annum and is tenable for one year.

#### **Faculty of Science (including Pharmacy)**

##### **R. and M. Bentwich Scholarship**

Established in 1973 by a bequest of \$2000 from the late May Bentwich of Mosman to be used as a scholarship for postgraduate research in the Faculty of Science to be called the R. and M. Bentwich Scholarship. The scholarship is awarded under the following conditions:

(1) The name of the scholarship shall be the R. and M. Bentwich Scholarship.

(2) The scholarship shall be awarded to a graduate or graduand in the Faculty of Science who already holds a postgraduate research scholarship and who requires a supplementary grant for some special need. The scholarship may be in the form of:

(a) a supplementary living allowance where the scholarship it supplements is not adequate for the holder's expenses and/or

(b) a travel grant for the purpose of travel in connection with a holder's research either within Australia or overseas and/or

(c) a grant-in-aid for the holder for expenses incurred in connection with his postgraduate research.

(3) The scholarship may be awarded each year and shall be tenable for one year. The holder of the scholarship may apply for a renewal of his tenure for a second year. His application will be considered in competition with other applications received for the new award.

(4) The scholarship shall be awarded by the Faculty of Science on the recommendation of the Board of Postgraduate Studies of the Faculty of Science.

(5) The value of the scholarship shall depend on the needs of the holder and shall not exceed the previous year's income in the Fund. The value of other emoluments held shall be taken into consideration when the award is being made.

(6) The conditions governing the award of the scholarship may be varied from time to time as the Senate thinks fit.

##### **Earth Resources Foundation Scholarship**

Established in 1982 from funds committed by the Earth Resources Foundation for the purpose of encouraging research in geology and geophysics.

The scholarship shall be awarded under the following conditions:

(1) The name of the scholarship shall be the Earth Resources Foundation Scholarship.

(2) The object of the scholarship shall be to encourage suitably qualified graduates to undertake full-time candidature for the degree of Doctor of Philosophy or Master of Science in the Department of Geology and Geophysics.

(3) The scholarship may be awarded in 1982 and each year thereafter, and additional scholarships may be awarded as funds are available.

(4) The scholarship shall be open to graduands or graduates who have qualified for the award of the degree of Bachelor of Science with first class honours, or second class honours Division 1, or such other qualifications as the Faculty of Science deems appropriate.

(5) The value of the scholarship shall be \$10 500 per annum.

(6) The scholarship shall be tenable for one year in the first instance, but, subject to the Council's receiving a satisfactory annual report on progress, may be renewed for a second year, and in the case of a PhD candidate a third, and in special circumstances a fourth year.

(7) The scholarship shall be awarded by the Council of the Foundation on the recommendation of the Director to the most meritorious of such applicants provided that —

(a) the applicant's academic record is of sufficient merit; and

(b) the applicant is accepted for and enrolls as a full-time candidate for the degree of Doctor of Philosophy or Master of Science in the Department of Geology and Geophysics.

(8) A scholar shall acknowledge the tenure of the scholarship in any thesis or other publication which shall result from such tenure.



### **Edgeworth David Travelling Scholarship**

Established in 1936 by a gift of £2080 from subscribers to the David Memorial Fund as a memorial of the great work done by Sir Edgeworth David for the science of geology and the outstanding importance of his teaching, research, and contributions to geological knowledge as Professor of Geology in the University for more than thirty years. The income from the fund is to be applied in such manner as the Senate thinks will best aid in the advancement of the science of geology.

The Senate decided that the income from the David Memorial Fund shall be used for the establishment of a postgraduate travelling scholarship for Geology, to be called the Edgeworth David Travelling Scholarship, but that the scholarship should not be awarded until the capital had increased appreciably.

In 1952 the Senate decided that the Edgeworth David Travelling Scholarship should be awarded under the following conditions:

The Edgeworth David Travelling Scholarship will be awarded only to graduates of outstanding merit in the geological sciences on the specific recommendation of the Professor of Geology and subject to the approval of the Faculty of Science.

The scholarship may be awarded as—

(1) A senior postgraduate appointment of such value as will enable a graduate in the geological sciences to proceed overseas for a period of research and study of not less than six months' duration.

(2) A postgraduate award of not more than three months' duration for field studies to be carried out in the South-western Pacific region, but not within the continent of Australia.

(3) A supplementary postgraduate scholarship, intended to enable a graduate to proceed overseas on an award made by this or other university or institution which would prove to be inadequate to meet all essential costs entailed in the projected and approved scheme of work.

The Senate decided that the capital of the fund would be £3550 which includes the original capital and the accumulated interest.

### **Farrand Postdoctoral Research Fellowship**

Founded in 1958 by a bequest from the late Annie Farrand on the residue of her estate to establish a scholarship in the Faculty of Science, the terms and conditions with regard to the establishment and perpetuation of the scholarship being left to the discretion of the Senate.

The Senate decided then that the fund should be used to establish an annual award of two scholarships, each tenable for one year and valued at \$400 to undergraduates in the Faculty of Science who are ineligible for Commonwealth Scholarships, with preference being given to senior students.

After 1967, the funds of the bequest were accumulated until 1973 when the Senate decided that they should be used to establish the Farrand Postdoctoral Fellowship, with the following conditions of award:

(1) Applicants shall normally hold a PhD degree or have research publications revealing equivalent status.

(2) The fellowship is available in a Department in the Faculty of Science.

(3) Appointments shall be made by the Vice-Chancellor on the recommendation of the Board of Postgraduate Studies of the Faculty of Science.

(4) The tenure shall be for one year, renewable for a second year on the recommendation of the head of the department concerned.

(5) (a) The remuneration shall be within the scale for Postdoctoral Research Fellows appointed under the University Research Grant. This remuneration is subject to Australian Income Tax deductions.

(b) An appointee coming from overseas may receive a grant to cover the economy-class air-fare by the most direct route and the most economical rate available at the time, and if married may receive an additional grant not exceeding \$300 as a contribution towards the fare of the spouse.

(c) An expenses grant of up to \$700 in any one year may be made available to the Department in which the fellowship is held.

(6) Appointments shall be made primarily on research merit and, other things being equal, preference will be given:

(a) to applicants whose research training has been primarily received other than at the University of Sydney; and

(b) to applicants not likely to receive another award tenable at the University of Sydney; and

(c) to applicants who have comparatively recently completed their PhD. The fellowship is not intended for persons who are in or who have held a career position since they were awarded their PhD.

(7) Appointments to the Farrand Postdoctoral Research Fellowship will not ordinarily be made to an applicant wishing to spend less than one academic year in the University of Sydney.

(8) Applications may be lodged with the Registrar at any time. He will then endeavour to indicate when the fellowship will next be available.

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### **George Harris Scholarships**

Established in 1973 by a bequest of \$16 323 from the late George Harris. There are two scholarships, one for chemistry and one for geology.

The Chemistry Scholarship is awarded annually by the Dean of the Faculty of Science on the recommendation of the professors of the School of Chemistry, to a student enrolled as a candidate for the degree of Doctor of Philosophy in Organic, Inorganic, Physical or Theoretical Chemistry, provided the candidate's work is of sufficient merit. Value, \$1200 (the scholarship may be shared).

The Geology Scholarship is awarded annually by the Dean of the Faculty of Science on the recommendation of the Head of the Department of Geology and Geophysics, to a student enrolled as a candidate for the degree of Doctor of Philosophy in Geology and Geophysics, provided the candidate's work is of sufficient merit. Value, \$1200.

### **Jabez King Heydon Memorial Prize**

Established in 1983 by a bequest of \$4000 from Kathleen Joan Laurence to establish a prize in the Biological Sciences in memory of Jabez King Heydon.

The prize may be awarded annually in the School of Biological Sciences for the most meritorious PhD awarded in the twelve months preceding the award. The award shall be made on the recommendation of a committee consisting of the head of the School of Biological Sciences, and the professors, readers and associate professors in the School of Biological Sciences. Value, \$625.

### **C. G. and R. J. W. Le Fevre Postgraduate Student Lectures**

The lectures were established in 1985 following a gift of \$2000 from Emeritus Professor R. J. W. Le Fevre, FRS FAA, who was Head of the School of Chemistry and Professor from 1946 to 1970 and internationally renowned for his work in physical-organic chemistry.

Up to three annual prizes may be awarded by the Dean of the Faculty of Science on the recommendation of the Council of the Sydney University Chemical Society subject to the approval of the Head of the School of Chemistry, to postgraduate students enrolled in the School of Chemistry. Value, \$50 each.

### **Professor Harry Messel Research Fellowships in Physics**

The Senate at its meeting on 3 September 1979 accepted the generous offer of the gift of \$200 000 from Dr and Mrs Cecil H. Green of Dallas, Texas, to endow a fellowship to be known as the 'Professor Harry Messel Research Fellowship in Physics'. This was to mark the twenty-fifth anniversary of the Science Foundation for Physics. A like sum was subsequently generously donated by Dr and Mrs Green in December 1983, thereby increasing the number of fellowships to two. The conditions of award are as follows:

- (1) The object of the fellowships shall be to promote and encourage research in Physics in the University of Sydney.
- (2) The fellowships shall be open to graduates from the University of Sydney or any other university or tertiary institution.
- (3) The fellowships shall be awarded by the Academic Board acting on the recommendation of the Board of Postgraduate Studies of the Faculty of Science.
- (4) Where a fellowship is awarded at the research fellowship level, the annual stipend shall be within the current range for University of Sydney Research Fellowships. Where a fellowship is awarded at the postdoctoral level, the annual stipend shall be within the current range for University of Sydney Postdoctoral Research Fellowships. Where a fellowship is awarded at the postgraduate level, the annual stipend shall be equal in value to a Commonwealth Postgraduate Research Award. The award of a fellowship may be accompanied by a grant-in-aid from other sources towards travelling expenses, and may also provide for tuition fees, technical assistance and equipment where appropriate.
- (5) A fellowship shall normally be tenable for one year in the first instance, but may be renewed from year to year, on the receipt of a satisfactory progress report and having regard to any recommendation by the head of the School of Physics.
- (6) The fellow shall transmit to the Registrar half yearly a formal report on the progress of the research. The continued tenure of a fellowship shall be subject to the report being considered satisfactory by the head of the School of Physics.
- (7) A fellow shall not, except with the approval of the Vice-Chancellor, occupy any salaried position or undertake any employment for payment or hold any other award during a fellowship. A fellow shall work full time on the research he has been appointed to undertake.
- (8) A fellow shall furnish a report on the completion of tenure of the fellowship to the Faculty of Science. In work published in the form of papers or reports arising from research under-

taken whilst a fellow, a fellow shall acknowledge his tenure of the fellowship.

### **Nutrition Research Foundation Scholarships**

Established in 1983 by funds committed by the Nutrition Research Foundation to promote postgraduate research in nutrition. The scholarships are awarded under the following conditions:

- (1) Each scholarship shall be named a Nutrition Research Foundation Scholarship.
- (2) The object of the scholarships shall be to assist suitably qualified graduates to undertake full-time candidature for the degree of Doctor of Philosophy or Master of Science by research in Human Nutrition.
- (3) The scholarship may be awarded in 1983 and each year thereafter subject to the availability of funds.
- (4) The scholarships shall be open to applicants who have qualified for the award of the degree of Bachelor of Science with first class honours or second class honours division 1, or who hold equivalent qualifications.
- (5) The scholarships shall be awarded by the Council of the Foundation on the recommendation of the Director to the most meritorious applicants provided that each applicant is accepted for and enrolls in a higher degree at the University of Sydney in accordance with section 2 above.
- (6) Each scholarship shall be tenable for up to one year. On the recommendation of the Director, a scholarship may be renewed for a second year and in the case of a PhD candidate for a third and, in special circumstances, a fourth year.
- (7) The value of each scholarship shall be determined by the Council of the Foundation on the recommendation of the Director, up to a maximum of \$7330 per annum.
- (8) A scholarship may be awarded to an applicant who is in receipt of another award.

### **Lewy Miall Pattinson Scholarships**

Founded in 1943 by a gift of £5000 from Mr Lewy Miall Pattinson, of Turramurra, New South Wales, supplemented by a bequest of an additional sum of £5000 on his death in January 1944, for the encouragement of the study of pharmaceutical science.

The scholarships are of value of not less than \$300 nor more than \$1000 per annum and will be awarded on the recommendation of the head of the Department of Pharmacy and as the income of the Foundation permits to suitable applicants either for undergraduate or postgraduate study of Pharmaceutical Science. The following will be eligible for consideration for awards:

- (1) Students proceeding towards an honours degree, higher degree, or postgraduate diploma in Pharmacy.
- (2) Graduates in Science who wish to engage in postgraduate research in Pharmaceutical Science.
- (3) Persons who have studied Pharmacy in another State and who may desire to undertake postgraduate work in Pharmaceutical Science in the University of Sydney.

### **Elizabeth Wunsch Postgraduate Research Scholarship in Pharmacy**

Established in 1982 by a bequest from the late Elizabeth Wunsch for the purpose of pharmaceutical research.

The scholarship shall be awarded under the following conditions:

- (1) The name of the scholarship shall be the Elizabeth Wunsch Postgraduate Research Scholarship.
- (2) The object of the scholarship shall be to promote and encourage research work within the Department of Pharmacy within the University of Sydney.
- (3) The scholarship shall be open to graduates or graduands of the University of Sydney or any other university who are eligible to enrol in a higher degree in the Department of Pharmacy on a topic approved by the Head of the Department.
- (4) The scholarship shall be valued at \$6900 per annum and shall provide an annual maintenance allowance of \$450. Additional allowances, as are provided by the University Postgraduate Research Award Scheme, shall also be available.
- (5) The scholarship shall be tenable for one year in the first instance, but, subject to satisfactory progress, may be renewed for a second year and in the case of a PhD candidate a third, and in special circumstances a fourth, year.
- (6) The scholarship shall be awarded by the Academic Board on the recommendation of a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Science and the Head and the Professors of the Department of Pharmacy.

## **Faculty of Science or Faculty of Engineering**

### **Ormsby Hamilton Radio Prize**

Founded in 1937 by a gift of £200 from J. W. Hamilton Esq. of London, for the encouragement of the study of radio science at the University, in memory of his father, Thomas Ormsby Hamilton, who died in Hobart in 1870.

The prize may be awarded every second year for a dissertation (such as an essay, research report or thesis) in the field of radio science produced by an undergraduate, or a graduate of not more than four years standing from the award of the first degree appropriate to the field.

The prize shall be awarded on the recommendation of the head of the Department of Electrical Engineering and the head of the School of Physics.

Value, up to \$600.

### **Peter Nicol Russell Medal**

The Peter Nicol Russell Medal (value \$40) is open to competition amongst graduates in Science or Engineering of not less than one or more than four years' standing at the time of the award. It is intended to encourage postgraduate study in Engineering. Candidates are required to prepare and submit a thesis embodying the result of an original investigation in some Engineering subject.

The thesis must be in the hands of the Registrar not later than the first day of Lent Term.

## **Faculty of Veterinary Science**

The following awards support work at postgraduate level:

- Lionel Lonsdale Clinical Fellowship
- James Ramage Wright Scholarship
- F. H. Loxton Postgraduate Studentship
- Jean Walker Trust Fellowship
- Eric Horatio Maclean Scholarships

The following awards support work at postdoctoral or higher level:

- Evelyn Williams Visiting Scholarships
- Jean Walker Trust Fellowship

### **N. P. H. Graham Scholarship in Sheep Medicine**

The scholarship was established in 1983 by donations from the family, friends and colleagues of Norman Piesse Hunter Graham to acknowledge his many contributions to the Australian sheep industry. Mr Graham graduated in 1929 in the University and devoted his professional life, mostly as an officer of the CSIRO, to the investigation of problems in the sheep industry.

The scholarship shall be awarded under the following conditions:

- (1) The name of the scholarship shall be the N. P. H. Graham Scholarship in Sheep Medicine.
- (2) The object of the scholarship is to promote research in sheep medicine.
- (3) The scholarship may be awarded to full-time postgraduate students enrolled in the University of Sydney who are undertaking research in sheep medicine.
- (4) The scholarship shall be awarded on the recommendation of the Professor in the Faculty of Veterinary Science with academic responsibility for veterinary medicine.
- (5) The scholarship may be held in conjunction with any other postgraduate award and shall be in the form of a grant-in-aid for the holder for expenses incurred in connection with postgraduate research.
- (6) The value of the scholarship shall depend on the needs of the holder and shall be drawn from the income of the fund. The value of other emoluments shall be taken into account when the award is being made.

### **Goldia and Susie Lesue Scholarship**

The scholarship was established in 1984 by a gift of \$25 000 from Mr Neil Lesue to establish a scholarship in recognition of the veterinary care offered by the Veterinary Hospital and Clinic.

The scholarship shall be awarded under the following conditions:

- (1) The name of the scholarship shall be the Goldia and Susie Lesue Scholarship.
- (2) The object of the scholarship shall be to assist candidates for postgraduate degrees or diplomas in the Department of Veterinary Clinical Studies in the Faculty of Veterinary Science for any purpose which will further the candidates' studies or knowledge or understanding of the discipline.
- (3) The scholarship shall be in the form of a grant-in-aid to a candidate within the field of small animal clinical studies.
- (4) The scholarship shall be awarded by the Dean of the Faculty of Veterinary Science acting on the recommendation of the Head of the Department of Veterinary Clinical Studies.
- (5) The maximum value of the scholarship shall be determined by the Finance Committee and will be offered only once to each candidate. The Dean of the Faculty of Veterinary Science, acting on the recommendation of the Head of the Department of Veterinary Clinical Studies, shall determine the value of the scholarship awarded. The maximum value in 1985 shall be \$2000.
- (6) The scholarship shall be awarded as funds are available.

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VETERINARY SCIENCE

- (7) The scholarship shall only be awarded if the candidate's academic record is deemed to be of sufficient merit.
- (8) The scholarship may be awarded to a candidate who is in receipt of another award.

#### **Lionel Lonsdale Clinical Fellowship**

Established in 1977 by a bequest from the late Lionel Marcelles Lonsdale to establish postgraduate fellowships in the Department of Veterinary Clinical Studies. The fellowships are awarded under the following conditions:

- (1) The names of the fellowships shall be the Lionel Lonsdale Junior Clinical Fellowship and the Lionel Lonsdale Senior Clinical Fellowship.
- (2) The object of the junior fellowship is to enable graduates in veterinary science who are candidates for the Diploma in Veterinary Clinical Studies (or courses of study deemed to be equivalent by the Committee referred to in Resolution 6) to undertake in the Sydney Veterinary Hospital and Clinic research and training in diseases of domestic animals and their treatment.
- (3) The object of the senior fellowship is to enable graduates in veterinary science who are candidates for the Degree of Master of Veterinary Clinical Studies to undertake in the Sydney Veterinary Hospital and Clinic research and training in diseases of domestic animals and their treatment.
- (4) The value of the junior fellowship shall be \$8126 per annum and thereafter to follow the gross value of Commonwealth Postgraduate Research Awards as funds permit, and that of the senior fellowship \$14 000 per annum.
- (5) (i) The junior fellowship shall normally be tenable for one year.  
(ii) The senior fellowship shall normally be tenable for two years, and under exceptional circumstances, for a third year.
- (6) The fellowships shall be awarded by the Academic Board, provided there are applicants of sufficient merit, on the recommendation of a committee consisting of the Dean of the Faculty of Veterinary Science, the professors in the Department of Veterinary Clinical Studies, the Professor of Veterinary Pathology, the Superintendent of the Rural Veterinary Centre and the Superintendent of the Sydney Veterinary Hospital and Clinic.
- (7) In any one year in which the senior fellowship is not awarded, up to two additional junior fellowships may be awarded.
- (8) Applications shall be made to the Registrar by 15 November each year.

#### **Eric Horatio Maclean Scholarships**

Established in 1980 by a bequest of \$22 657.69 from the late Eric Horatio Maclean, Surveyor, of Ettalong, for the purpose of providing scholarships in the Faculty of Veterinary Science.

The scholarships shall be awarded under the following conditions:

- (1) The name of the scholarships shall be the Eric Horatio Maclean Scholarships.
- (2) The scholarships shall be in the form of a grant-in-aid.
- (3) The object of the scholarships shall be to assist candidates for postgraduate degrees or diplomas in the Faculty of Veterinary Science for any purpose which will further the candidate's studies or knowledge and understanding of the discipline.

(4) The scholarships shall be awarded by the Faculty of Veterinary Science on the recommendation of the Dean of that faculty, acting on the advice of a subcommittee of two consisting of the head of the department concerned and the Pro-Dean or a Sub-Dean of the Faculty.

(5) The maximum value of each scholarship shall be \$1000 and will be offered only once to each candidate.

(6) The scholarships shall be awarded as funds are available.

#### **Jean Walker Trust Fellowships**

(1) The fellowships shall be awarded at postdoctoral or postgraduate level and shall be tenable at the University of Sydney only.

(2) The fellowships shall be awarded on the basis of academic merit and appropriateness of the proposed programmes of research to the department concerned.

(3) (a) A postdoctoral fellowship may be awarded only to an applicant who holds the degree of Doctor of Philosophy or who possesses such equivalent standing as may be approved by the Academic Board.

(b) A postgraduate fellowship may be awarded only to an applicant who is eligible for admission to candidature for a higher degree by research and who enrolls accordingly.

(4) (a) A fellowship at postdoctoral level shall be equal in value to a University of Sydney Research Fellowship or Postdoctoral Fellowship, the level of appointment to be recommended by the selection committee as set out in clause 8.

(b) A fellowship at postgraduate level shall be valued at \$10 500 per annum.

(5) A fellowship at postdoctoral level shall provide a research maintenance allowance of up to \$5000 per annum and a fellowship at postgraduate level shall provide a research maintenance allowance of up to \$1000 per annum, each to be administered by the head of the department in which the research is conducted.

(6) The fellowship shall provide a travel grant equivalent to economy class air travel by the most direct route and the most economical rate available at the time for holders required to travel to Sydney to take up the award. A corresponding grant may be made for return travel.

(7) (a) A postdoctoral fellowship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year.

(b) A postgraduate fellowship shall be tenable for one year in the first instance but subject to satisfactory progress, may be renewed for a second year and in the case of a PhD candidate a third, and in exceptional circumstances, a fourth year.

(8) The fellowships shall be awarded by the Academic Board on the recommendation of a committee consisting of the Dean of the Faculty of Veterinary Science and the heads of the departments in the Faculty.

#### **Jean Walker Trust Supplementary Fellowships**

The fellowships were established in 1984 with funds drawn from the bequest of Mrs Jean Wilgress Walker.

The fellowships are awarded under the following conditions, in accordance with the terms of the bequest:

- (1) Each fellowship shall be named a Jean Walker Trust Supplementary Fellowship.
- (2) (a) The fellowships may be awarded only to persons who hold a bachelor's degree with Honours Class I, or who possess an equivalent qualification.
- (b) The fellowship may be awarded only to holders of postgraduate research awards who are pursuing studies into the cause, prevention or treatment of diseases in animals in Australia.
- (3) The fellowships may be renewed from year to year subject to renewal of the postgraduate research award referred to in section 2(b).
- (4) The fellowships shall be awarded by the Academic Board on the recommendation of a committee consisting of the Dean of the Faculty of Veterinary Science and the heads of the departments in the Faculty.
- (5) The value of each fellowship shall be determined by the selection committee, up to a value of \$5000 each p.a.

#### **Evelyn Williams Visiting Scholarship**

- (1) Established in 1972 by funds from the Evelyn Williams Bequest.
- (2) The name of the scholarship shall be the Evelyn Williams Visiting Scholarship.
- (3) The object of the scholarship is to attract to the University of Sydney persons of outstanding achievement. Such persons would be encouraged to undertake research, lectures and seminars and such other activities judged to be of advantage to the students and staff of the Faculty of Veterinary Science.
- (4) The scholarship, which will be available each year, shall be awarded by the Senate of the University, acting on the recommendation of the Faculty of Veterinary Science.
- (5) The scholar will be required to undertake the above activities for a period of not less than one term in an appropriate department of the Faculty of Veterinary Science.
- (6) The scholar will normally come from overseas, however, an outstanding candidate from Australia may be considered.
- (7) (i) The scholarship shall consist of—
  - (a) a return economy airfare by the most direct route and
  - (b) a living allowance for a period of not more than 10 weeks.(ii) The living allowance shall be paid—
  - (a) at a rate equivalent to the living-away-from-home allowance paid by the University of Sydney to professors, while in capital cities in Australia;
  - (b) in two instalments, the first upon commencement of his activities in the Faculty and the second, five weeks after that date.
- (8) The scholarship may be held concurrently with another award or whilst the holder is in receipt of other remuneration.

#### **James Ramage Wright Research Scholarship**

Established in 1942 by a gift of £5000 from Mr and Mrs George Wright to found a Research Fellowship in memory of their son and to promote investigation into and advanced knowledge of the problems of animal

production. James Ramage Wright, who was a pastoralist, died in 1942, on active service in Syria. The scholarship is awarded under the following conditions:

- (1) The name of the scholarship shall be the James Ramage Wright Research Scholarship.
- (2) The scholarship may only be awarded to an applicant who is eligible for admission to candidature for a higher degree by research in the Faculty of Veterinary Science in the University of Sydney and who enrolls accordingly.
- (3) The scholarship shall be awarded on the basis of academic merit and appropriateness of the proposed programme of research.
- (4) The scholarship shall be awarded by the Academic Board on the advice of a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Veterinary Science, and the heads of the departments in the Faculty.
- (5) The scholarship shall be tenable for one year in the first instance but, subject to satisfactory progress, may be renewed for a second year and in the case of a PhD candidate a third, and, in exceptional circumstances, a fourth year.
- (6) (a) The scholarship shall have an annual value of \$6900 and shall provide allowances equivalent to those provided by the Commonwealth Postgraduate Award Scheme.
- (b) The scholarship shall provide an annual maintenance allowance of \$500.

### **(3) TRAVELLING SCHOLARSHIPS AWARDED BY THE UNIVERSITY**

The following resolutions in regard to the award of travelling scholarships were adopted in 1982 by the Senate:

- (1) That all candidates for travelling scholarships shall be graduates or graduands of the University of Sydney who are of not more than four years' standing from qualifying for the first degree appropriate to the proposed course of study overseas.
- (2) That all candidates shall be citizens or permanent residents of Australia.
- (3) That candidates who have previously held awards designed to promote study overseas and which offer similar benefits to travelling scholarships shall be ineligible for consideration, unless exceptional circumstances apply.
- (4) That the scholarships shall normally be awarded to enable scholars to undertake studies or research in some place or places overseas approved by the Academic Board.
- (5) That the scholarships shall not normally be held for longer than one year unless the holder is enrolled for a higher degree. A scholarship shall not be renewed for a third year unless the holder is a candidate for the degree of Doctor of Philosophy and renewal shall be subject to satisfactory progress.

In November 1982 the Academic Board adopted a resolution whereby Calendar entries for travelling scholarships highlight only those conditions of named travelling scholarships that are at variance with the conditions of University of Sydney Postgraduate Research Travelling Scholarships.

Conditions for University of Sydney Postgraduate Research Travelling Scholarships have been categorised as follows:

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1. Value
2. Tenure
3. Method of award
4. Field of study
5. Place of study
6. Other restrictions

Conditions of all other travelling scholarships have been itemised under the same categories, and have been separately itemised only where they are at variance with the model.

#### **University of Sydney Postgraduate Research Travelling Scholarship**

Founded in 1955 by the University.

1. *Value:* The scholarship shall have an annual stipend of \$8000 and a discretionary grant-in-aid of up to \$4500 to assist with fees. There shall also be a supplementation of up to \$2000 to cover the cost of return economy overseas airfare (by most direct route) and establishment costs at overseas universities.
2. *Tenure:* The scholarship shall be tenable for up to two years in the first instance, but in special circumstances may be renewed for a third year.
3. *Method of award:* The scholarship shall be awarded by the Academic Board on the recommendation of a committee appointed by the Academic Board.
4. *Field of study:* Holders of the scholarship may undertake studies or research in any field of study subject to the approval of the Academic Board.
5. *Place of study:* Holders of the scholarship will be required to undertake studies or research overseas in such place or places as approved by the Academic Board.
6. *Other restrictions:* The scholarship shall normally be awarded to a graduate or graduand of the University of Sydney who is of not more than four years' standing from qualification for the first degree appropriate to the proposed course of study overseas.

#### **Albert Travelling Scholarship in Music**

The scholarship is awarded as a travel grant. For conditions of award see under *Arts, Postgraduate scholarships and prizes*.

#### **Baillieu Research Scholarship**

The scholarship is awarded as a travel grant. For conditions of award see under *Postgraduate scholarships and prizes, various faculties*.

#### **Barker Graduate Scholarship**

Founded in 1907 from accumulations from the Barker Scholarship Foundation.

*Field of study:* Holders of the scholarship may undertake studies in Pure and Applied Mathematics.

*Other restrictions:* The scholarship shall be open to graduates of Arts, Science or Engineering of not more than four years' standing from qualification for the first degree appropriate to the proposed course of study overseas.

#### **Harriett Beard Scholarship**

Founded by a bequest from Mrs Harriett Beard of Narellan, N.S.W., who died in 1906.

*Field of study:* Holders of the scholarship may undertake studies or research in Physical Sciences, Engineering, Veterinary Science or Dentistry.

#### **Cooper Graduate Scholarship**

Founded in 1907 from accumulations from the Cooper Scholarship Foundation.

*Field of study:* Holders of the scholarship may undertake studies or research in the field of Classics.

*Other restrictions:* The scholarship is open to graduates holding the degree of Bachelor of Arts who are of not more than four years' standing from qualification for the first degree appropriate to the proposed course of study overseas.

#### **Charles Herbert Currey Memorial Scholarships**

Established in 1973 by a bequest of \$50 000 from Mrs Linda Currey of Strathfield, N.S.W., to establish a travelling scholarship or scholarships in the Faculties of Arts and Law in memory of her husband, Charles Herbert Currey, MA LL.D.

*Method of award:* The scholarship shall be awarded by the Academic Board, on the recommendation of a committee consisting of Chairman of the Board, the Deans of the Faculties of Arts and Law, and one additional member of teaching staff nominated by each dean.

*Other restrictions:* The scholarship is open to graduates of the Faculties of Arts or Law who are of not more than four years' standing from qualification for the first degree appropriate to the proposed course of study overseas.

#### **Frazer Travelling Scholarship**

The scholarship was established in 1890 by a bequest of £2000 from the Honourable John Frazer, MLC. It had been the intention of the donor that the bequest be used to found a chair in Ancient and Modern History. However, as the bequest was insufficient to found a chair, Mrs Frazer and the trustees of the estate directed that the bequest be used to found a scholarship in History. This use of the bequest is in accordance with the general tenor of the will. The scholarship is now awarded under the following conditions:

- (1) The scholarship shall be known as the John Frazer Scholarship.
- (2) The scholarship may only be awarded to a full-time candidate for a higher degree in the Department of History.
- (3) The scholarship shall be awarded by the Academic Board on the recommendation of the committee appointed by the Academic Board to consider applications for travelling scholarships.
- (4) The committee shall take into account each applicant's academic record and the merit of the proposed programme of study or research.
- (5) The scholarship may be held in conjunction with any other award and may be in the form of a supplementary living allowance or grant-in-aid.
- (6) The scholarship has a maximum value of \$1000. There may be up to three awards each year.

#### **Hannah Fullerton Scholarship**

In 1951 Hannah Fullerton bequeathed her residuary estate to the University to be applied for the purposes and benefit of the University as the Senate may prescribe.

In 1953 the Hannah Fullerton Scholarship was established.

*Field of study:* Holders of the scholarship may undertake studies in any subject in which honours may be taken in the Faculty of Arts.

### **Hezlet Bequest Travelling Scholarship**

Founded in 1956 by a bequest from the late A. E. Hezlet.

*Method of award:* The scholarship shall be awarded by the Faculty of Architecture on the recommendation of a committee consisting of the Professors of Architecture, Architectural Science and Town and Country Planning.

*Field of study:* Holders of the scholarship may undertake studies or research approved by the Faculty of Architecture.

*Other restrictions:* The scholarship shall normally be awarded to a graduate of not more than four years' standing from qualification for the degree of Bachelor of Architecture.

### **Charles Kolling Travelling Scholarship in Mechanical Engineering**

Under the terms of the gift of Mrs Eva Kolling in 1928 for promoting advanced studies in Mechanical Engineering in the P. N. Russell School of Engineering, a scholarship of the value of £600 per annum, to be known as the Charles Kolling Travelling Scholarship, is awarded to enable graduates in Engineering to do advanced or research work abroad, and to prepare themselves for such work.

*Field of study:* Holders of the scholarship may undertake studies or research in Mechanical Engineering.

### **G. H. S. and I. R. Lightoller Scholarship**

The scholarship is awarded as a travel grant. For conditions of award see under *Postgraduate scholarships and prizes, various faculties*.

### **Rose Mandelbaum Scholarship in Music**

Established in 1977 by a gift from Mrs Rachel Lipton to establish a scholarship in music in memory of her sister, Rose Mandelbaum.

*Method of award:* The scholarship shall be awarded by the Academic Board on receiving a report from a committee consisting of the Chairman of the Academic Board, the Dean of the Faculty of Arts and the Chairman of the Board of Studies in Music.

*Field of study:* Holders of the scholarship may undertake studies or research in the field of Music.

*Other restrictions:* The scholarship shall normally be awarded to a graduate of the University of Sydney who has completed a fourth honours year in Music and who is not more than four years' standing from qualification for the first degree appropriate to the proposed course of study overseas.

### **Arthur Maquarie Travelling Scholarship**

Founded in 1972 by a bequest from Arthur Maquarie, of East Molesey, Surrey, England. The purpose of the bequest was to provide the means whereby practising poets or sculptors could travel to undertake study and research in the art and practice of poetry and sculpture.

*Method of award:* The scholarship shall be awarded by the Faculty of Arts on receiving a report from a committee of six, consisting of the Dean of the Faculty, one representative of the Departments of Fine Arts and English, plus other faculty members.

*Field of study:* Holders of the scholarship may undertake studies or research in the fields of poetry or sculpture.

*Place of study:* Holders of the scholarship will be required to undertake studies or research in Italy, or other places remarkable for their artistic achievement.

*Other restrictions:* The scholarship shall normally be open to honours graduates of this University who are practising poets or sculptors and of not more than four years' standing from qualification for the first degree appropriate to the proposed course of study overseas.

### **Gladys Marks Travelling Scholarship**

Established in 1962 by a gift of £6050 from Miss Gladys H. Marks. This sum was added to an earlier donation of £350 from Miss Marks. In September 1963 Miss Marks donated a further £1000 for the scholarship, and in September 1964 a further £600 making a total capital sum of £8000. In 1973 a further \$10 378 was added to the capital sum, as a result of a bequest made in Miss Marks' will.

*Field of study:* Holders of the scholarship may undertake studies or research for a degree in a university in France.

*Other restrictions:* The scholarship shall normally be awarded to graduates of the Faculty of Arts with first class honours and who are of not more than four years' standing from qualifying for the award of the first degree appropriate to the course of studies overseas.

### **Denison Miller Postgraduate Memorial Scholarship**

The scholarship, which is to promote the graduate study of Economics, was founded in 1924 by a gift of about \$1500 from the executive committee of the Denison Miller Memorial Fund established in memory of the late Sir Denison Miller, the first Governor of the Commonwealth Bank of Australia.

The conditions of the award are under review.

### **Sydney Moss Scholarship**

The conditions of award are under review.

### **Power Studio, Cité Internationale des Arts, Paris**

In 1968, as part of the programme of the Power Institute of Fine Arts, the University endowed a studio in the Cité Internationale des Arts, Paris. This gives the University the right to nominate artists to occupy a studio in the Cité Internationale des Arts so that Australian artists may have contact with the most recent developments in contemporary art.

Applications from practising artists in the visual arts are invited in June each year. The University provides a travel allowance and the Visual Arts Board provides a living and materials allowance to successful applicants. The value of each allowance is \$2500 for a period of six months.

### **Eric Leo Susman Travelling Scholarship**

Established in 1959 by a bequest of £5000 from Eric Leo Susman, VRD, MB ChM, FRACP MRCP, and Warden of Clinical Studies at Royal Prince Alfred Hospital from 1957 until his death in 1959. The purpose of the bequest was to establish travel grants for medical graduates of the University of Sydney who were intending to travel overseas for research or study. The scholarship is awarded under the following conditions:

- (1) The scholarship will be known as the Eric Leo Susman Travelling Scholarship.
- (2) The object of the scholarship is to support travel outside Australia for purposes of postgraduate research and study, preferably in a branch of internal medicine.

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- (3) The scholarship may be awarded to:
  - (a) full-time postgraduate students currently enrolled in the Faculty of Medicine for whom it is academically desirable to spend time outside Australia as part of their candidature; and
  - (b) medical graduates of the University of Sydney who proceed outside Australia to undertake research and who are unable to meet their total costs from other funds, which may include scholarships or travel grants.
- (4) The scholarship shall be awarded by the Dean of the Faculty of Medicine who shall take into account the applicant's academic record and the merit of the proposed programme of research and study overseas.
- (5) The scholarship may be held in conjunction with any other postgraduate award and may be in the form of a supplementary living allowance, a travel grant or grant-in-aid.
- (6) The scholarship has a maximum value of \$1800 p.a.

#### **J. B. Watt Travelling Scholarship**

In the year 1876 the Hon. John Brown Watt donated £1000 and in 1888 and 1889 two further sums of £1000 each for the endowment of exhibitions.

Under the University (J. B. Watt Travelling Scholarships) Act, 1937, the University has been empowered to apply the income derived from the fund, made up of these donations and accumulations, for the establishment of one or more travelling scholarships.

*Other restrictions:* The scholarship shall normally be open to a graduate with first class honours in any faculty of the University of Sydney who is of not more than four years' standing from qualification for the first degree appropriate to the proposed course of study overseas.

#### **Wentworth Travelling Fellowship**

In 1862 the sum of £445 was given by W. C. Wentworth to be invested and allowed to accumulate until it should reach an amount which, in the opinion of the Senate, would be sufficient for the foundation of a travelling scholarship. The first award was made in 1923.

The conditions of award are under review.

#### **Woolley Scholarship**

Edwin Dalton of Sydney, by his will in 1875, bequeathed his residuary estate, subject to a life interest on the part of his widow, and an annuity of £75, to the University to found 'a Scholarship or Scholarships in commemoration of the late Dr Woolley, its first Principal and Professor', desiring that the scholarship or scholarships to be founded should 'have reference to that branch of teaching or philosophy, which the late Dr Woolley chiefly inculcated'. By the death of his widow in 1893 the University became entitled to the residuary estate, amounting to about £8000, subject to the annuity of £75.

*Field of study:* Holders of the scholarship may undertake studies or research in Language, Literature, History and Philosophy.

*Other restrictions:* The scholarship shall normally be awarded to a graduate in the Faculty of Arts who is of not more than four years' standing from qualification for the first degree appropriate to the proposed course of study overseas.

## **(4) POSTGRADUATE SCHOLARSHIPS AND PRIZES AWARDED BY EXTERNAL BODIES**

#### **Australian Medallion**

A bronze medallion and travelling scholarship of the value of \$600 is offered biennially by the State Board of Architects to a graduate in Architecture nominated by the Faculty. A graduate will be eligible for consideration at two successive awards by the School of Architecture, the first being in or immediately following the year of graduation. The award is made by the State Board of Architects.

#### **The Caltex Woman Graduate Scholarships**

In 1977 Caltex (Australia) established a scholarship scheme that offers annually one prize (valued at \$5000) to each State Caltex Woman Graduate in addition to a National Scholarship to the Caltex Woman Graduate in Australia (selected from the holders of State Prizes) to facilitate overseas postgraduate studies. Other scholarships and prizes may be held in conjunction with a Caltex State Prize but other scholarships may not be held conjointly with the National Scholarship.

The Caltex National Scholarship, valued at \$20 000 per annum for two years, is tenable at a university or tertiary institution in Europe, including the United Kingdom and Ireland, the United States and Canada, or at an approved university or institution in any other country. The National Scholarship is not tenable in Australia.

Candidates for the scholarships must be:

- (1) women who are Australian citizens or who have resided in Australia continuously for seven years.
- (2) not in possession of a degree at the doctorate level from any recognised university or other tertiary institution.
- (3) (a) completing or have completed in year of award a degree in an Australian university or other tertiary institution, *or*  
(b) completing or have completed in year of award a diploma in an Australian university or other tertiary institution after having previously completed a degree in a university or other tertiary institution.

Selection of the holders of all Caltex Prizes and the National Scholarship will be based on a combination of factors including: scholastic attainment; the ability to communicate ideas both orally and in writing; social awareness; achievements in other than the academic arena, e.g. sport, community service, culture, innovatory enterprise etc.; sense of purpose and potentiality for future influence on the Australian community.

#### **Commonwealth Scholarship and Fellowship Plan**

Under the Commonwealth Scholarship and Fellowship Plan various British Commonwealth countries provide scholarships open to students from other parts of the Commonwealth. Countries which have from time to time invited applications from Australian graduates for these scholarships are Britain, Canada, New Zealand, India, Pakistan, Sri Lanka, Malaysia, Hong Kong, Nigeria, East Africa, Malta and Jamaica. They do not all invite applications every year.

The scholarships are tenable for a programme of postgraduate study or research normally extending over two academic years and leading to a university degree or similar qualification. Awards are sometimes



made, however, for one academic year, or the two-year term may be extended for a third year.

Candidates must be Commonwealth citizens or British protected persons, normally resident in the country nominating them and prepared to return to that country at the end of the scholarship period.

Candidates should be under the age of 35 years and graduates of a university or college or holders of an equivalent qualification by the time of taking up the award. Preference is given to candidates who are between 22 and 28 years of age.

The value of the scholarships varies from one country to another, but usually provides return fares, tuition fees, a grant for books and equipment, approved medical expenses and personal maintenance allowance. In addition, in some countries a marriage allowance may be provided if the scholar is accompanied by his wife and the wife is not in employment or in receipt of a scholarship herself.

Details of the awards offered by each country and information concerning the procedure for applying are available from the Registrar. Enquiries should be made well in advance, as applications frequently close some ten or twelve months before the beginning of the academic year in which the awards are tenable.

#### **Gowrie Postgraduate Research Scholarships**

Two Gowrie Postgraduate Research Travelling Scholarships are awarded annually to graduates of Australian universities by the trustees of the Gowrie Scholarship Trust Fund.

The scholarships may be awarded to members of the forces (as defined in the Trust Deed) and children of members of the forces, including, at the discretion of the trustees, grandchildren and other linear descendants of such members.

The scholarships are tenable for two years at universities either in Australia or overseas and have a value of \$3500 per annum. In special circumstances, this value may be increased.

Applications should be lodged with the Registrar before 31 October each year.

#### **Harkness Fellowships**

Four fellowships for 12 to 21 months' study and travel in the United States are offered annually to candidates from Australia by the Commonwealth Fund of New York.

The fellowships are open to men and women in any profession or field of study who at the time of taking up the award (a) are not more than 36 years of age; (b) have a degree or an equivalent qualification conferred by a professional body or an outstanding record of achievement in the creative arts, journalism or other comparable careers and (c) have not lived in the United States for more than six consecutive months between their 19th birthday and the date of taking up the award.

Candidates must be either:

- (1) members of the Australian or a state public service, or a semi-government authority;
- (2) staff or postgraduate students at an Australian university;
- (3) individuals recommended for nomination by the Local Correspondents.

The fellowships cover the expenses of travel, residence and study in the United States. Fellows need not study for an American degree but they must propose a specific programme of study, research or other professional activity and normally be affiliated with an academic, research, government or other similar insti-

tution. Fellows are required to spend three months travelling within the United States.

Applications from staff and postgraduate students of the University close with the Registrar in August.

#### **Frank Knox Memorial Fellowships**

Two fellowships are offered annually by Harvard University to candidates now enrolled as students who (a) are British subjects and Australian citizens; and (b) have recently graduated, or are about to graduate, from a university in Australia.

No application will be considered from a student already in the United States, or from a student who already holds a doctorate. The fellows will be required to devote the major part of their time to study in one of the schools of Harvard University.

The fellowships provide for tuition fees in addition to the stipend.

Candidates are selected on the basis of future promise of leadership. Strength of character, keen mind, a balanced judgment and devotion to the democratic ideal will be the qualities borne in mind in making the final selection. The Frank Knox Fellowships were established in the conviction that cooperation between the British Commonwealth and the United States of America based on an informed and understanding contact of the peoples of these two great countries is an essential to international peace.

Applications from graduates of the University close with the Registrar in October.

#### **Linnean Macleay Fellowships**

Founded in 1904 by a bequest of £35 000 from the Hon. Sir William Macleay to the Linnean Society of New South Wales.

The will provided for the foundation of four fellowships, each of the value of £400 per annum. They were awarded by the Council of the Linnean Society of New South Wales to graduates in Science of the University.

The fellowships were intended to encourage and advance research in Natural Science, by enabling those who wish to do so, to continue their studies at the University, or elsewhere, after having completed the regular curriculum and taken a Science degree.

In 1949 and 1959 the Council of the Linnean Society of New South Wales obtained a variation of the will of Sir William Macleay and the conditions under which the Linnean Macleay Fellowships may now be awarded are as follows:

An applicant shall be a member of the Linnean Society of New South Wales.

Candidates shall be resident in New South Wales and be graduates in Science or in Agricultural Science of the University of Sydney.

The number of fellowships to be awarded in any year shall be such number as the Council of the Society shall determine, not exceeding four.

The salary of each Fellow shall be such amount not being less than \$800 nor more than \$3200 per annum as the Council of the Society shall decide, provided that the total amount of the salaries and allowances of all fellowships awarded in any one year shall not exceed \$3200.

The appointments to fellowships shall be made from year to year provided no Fellow shall hold a fellowship for a total period exceeding five years.

#### **N.S.W. Government and Frederick May Foundation Scholarship**

The scholarship was established in 1985 by the New South Wales Government and the Frederick May Foundation for Italian Studies, to assist persons from

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the state of New South Wales working in the area of Italian studies to travel to Italy to gain experience from Italian cultural forms and organisations. It was not the intent of the donors to exclude persons not holding academic qualifications although it was expected that applicants would have professional qualifications and/or experience in their nominated area of expertise.

The programme was designed to assist in developing higher standards of skill and cultural achievement in any area of cultural life in New South Wales.

It was the expressed wish of the donors that holders of the scholarship would return to Australia after completing their study tour so that the benefits of the scholarship would flow on to the community at large.

The scholarship is awarded under the following conditions:

- (1) The scholarship shall be named the New South Wales Government and Frederick May Foundation Scholarship.
- (2) The object of the scholarship is to provide opportunities for persons from N.S.W. to travel to Italy to pursue a programme of study in Italian cultural forms and organisations.
- (3) The scholarship shall be open to persons over the age of 18 years currently resident in N.S.W., who have been resident for three consecutive years before the date of application, and who have a working knowledge of the Italian language.
- (4) The scholarship shall be awarded by the Council of the Foundation in consultation with a representative from the Cultural Division of the Premier's Department of the Government of N.S.W. and a representative from the Ethnic Affairs Commission.
- (5) The Council shall take into account the merit of each applicant, of the proposed programme, the extent to which the applicant would benefit professionally and the availability of other sources of support for the proposed project.
- (6) Holders of the scholarship shall submit a report on the programme on their return to Australia.
- (7) The value of each scholarship will be determined by the Council, up to a maximum of \$5000.

#### **Rhodes Scholarship**

One Rhodes Scholarship is awarded in each state of the Commonwealth annually. The scholarship is valued at about £3000 a year plus approved tuition fees and is tenable in the first instance for a period of two years, but may under some circumstances be extended for a third year. Applications are normally invited in Trinity Term of the year preceding that for which the scholarship is awarded.

To be eligible candidates must:

- (1) be of an age that they will have passed their nineteenth and not passed their twenty-fifth birthday by 1 October, in the year of application.
- (2) be Australian citizens (or qualified to become Australian citizens), ordinarily resident in Australia for at least five years by October in the year preceding application.
- (3) have achieved academic training in a degree-awarding body in Australia sufficiently advanced to assure completion of a bachelor's degree (preferably an honours degree or the equivalent) by October in the year of application. Normally this would involve completion of a degree before the end of the preceding year.
- (4) be unmarried; a Rhodes Scholarship is forfeited by marriage after election or during a Scholar's first year of residence in Oxford.

(5) candidates may compete either in the State in which they have their ordinary residence, or in that in which they have received any considerable part of their education.

Subject in all cases to review and confirmation by the Rhodes Trustees, appointments are made by local Committees of Selection appointed by the trustees.

#### **Rutherford Scholarship**

One scholarship is offered annually by the Royal Society to graduates of any university within the British Commonwealth who are under 26 years of age, or if holding the degree of PhD under 28 years of age, on 1 May of the year of award. It is awarded for experimental research in any branch of the natural sciences, but if there are candidates of similar merit preference will be given to experimental physics.

The scholarship is tenable for three years in some part of the British Commonwealth other than that in which the applicant graduated. It will not normally be awarded to a graduate who has already held a senior research award.

The value of the scholarship will be adjusted to meet the circumstances of the appointment but if held in the United Kingdom it will be £3350 per annum on appointment. Additional allowances will be granted for travel, university fees etc.

Appointment to the scholarship is made by the President and Council of the Royal Society, but applications from university graduates outside the United Kingdom are made through their universities to the Royal Commission for the Exhibition of 1851.

Applications from graduates of the University close with the Registrar in November each year, at the same time as applications for the Science Research Scholarships of the Royal Commission for the Exhibition of 1851.

#### **Science Research Scholarships of the Royal Commission for the Exhibition of 1851**

Scholarships are offered annually to graduates of Australian universities under the following conditions:

- (1) The scholarships are postgraduate, and are intended to enable selected students of overseas universities (or other overseas institutions of university status) who have given evidence of capacity for research to devote themselves for two or three years to full-time research in pure or applied science, or engineering.
- (2) Ten scholarships will be offered each year.
- (3) The scholarships are of the value of £3300 a year. Additional allowances may be made in accordance with the terms of paragraphs (20) and (21).
- (4) The scholarships are open to students in any of the physical and biological sciences, or in any branch of engineering.
- (5) The scholarships will be tenable for two years, but they may in certain cases be extended for a third or part of a third year. (See paragraph (18)).
- (6) The scholarships are open to citizens of either (a) any country in the British Commonwealth or (b) of the Republics of Ireland, Pakistan and South Africa.
- (7) The Commissioners will annually invite the governing bodies of universities, or other institutions of university status, in the countries re-

ferred to in paragraph (6) (excluding those in the United Kingdom) to recommend one or more candidates for the scholarships. If an institution recommends more than one candidate in any one year the names should be ranked in order of merit, although the Commissioners may vary this order at their discretion.

(8) In India, Pakistan and Bangladesh the recommendations will first be examined by committees set up for the purpose in those countries and a selection of not more than six from each country will be forwarded to the Commissioners, who will make the final selection.

(9) No fixed number of scholarships will be allocated to any individual country, but in making the awards the Commissioners will have regard to the need for ensuring their equitable distribution.

(10) Recommendations made on the prescribed forms must be received at the office of the Commissioners on or before 21 March. The appointments are ordinarily made by about mid-May.

(11) A candidate whose age is twenty-six or more on 1 May of the year in which his application is received will be accepted only in exceptional circumstances.

(12) A candidate must have been a student in a university or university institution for a period of not less than three years, and must have spent one full academic year ending not more than twelve months before the date of recommendation at the institution by which he is recommended.

(13) The record of a candidate's work must indicate high promise of capacity for advancing science or its applications, or engineering, by original research. Evidence of this capacity, which is the main qualification for the scholarship, is essential and should take the form of a full account by the candidate of the research work he has done. This may be either in the form of publications or of a thesis or of manuscript reports.

(14) A scholar will be required to devote himself to research in some branch of pure or applied science, or engineering, the particular nature of the work proposed to be approved by the Commissioners.

(15) A scholar will ordinarily be expected to hold his award at an institution approved by the Commissioners in the United Kingdom. Only in exceptional circumstances will the Commissioners permit the tenure of a scholarship outside the United Kingdom.

(16) A scholar will be required to devote his whole time to the objects of the scholarship.

(17) A scholar will not be debarred from holding another position of emolument, but if at the date of his application he holds, or at a later date is appointed to, such a position, he must notify the Commissioners, who may at their discretion modify the value of his scholarship.

(18) A scholar will be required to furnish a report of his work at the end of each year's tenure of the scholarship. The continuation of the scholarship for a second year will depend upon the satisfactory nature of the scholar's first year's work. Renewal for a third year will be granted only where it appears that such renewal is necessary for the satisfactory completion of the scholar's scientific training.

(19) At the expiration of his scholarship, a scholar will be required to furnish a complete account of his work.

(20) A scholar may make application to the Com-

missioners for an annual allowance to meet essential university or college fees.

(21) A scholar for whom it is not possible to obtain a free passage, may make application for a grant to meet the cost of travel from his home to his place of study.

(22) The scholarship stipend will be payable quarterly in advance.

Applications from graduates of the University close with the Registrar in November each year.

### **Shell Postgraduate Scholarships**

#### *Science and Engineering*

The Shell Company of Australia Limited, on behalf of the Shell Group of Companies in Australia, offers one scholarship tenable in the United Kingdom for postgraduate work in Science or Engineering.

The scholarship is designed to enable the holder, being a graduate, to undertake two years' postgraduate work at the University of Cambridge, London or Oxford, or at such other university in the United Kingdom as may be indicated by the specialised nature of the studies which the scholar intends to follow, and which would be expected to lead to the degree of MSc or PhD.

The scholarship is open to candidates who, being British subjects, have been domiciled in Australia for the last five years and have taken with honours a first degree in Science or Engineering at an Australian university, and preferably have had at least one year's experience in research. Candidates should normally be under 25 years of age at the date of application, and not under bond or committed in any way to an employer unless a letter permitting release is provided.

#### *Arts*

The Shell Company of Australia Limited, on behalf of the Shell Group of Companies in Australia, offers one scholarship, tenable at Oxford or Cambridge University, United Kingdom, for two years for a course or reading which will lead to a Bachelor's degree with honours.

Candidates must have successfully completed a full-time course for the degree of Bachelor of Arts, Commerce, Economics or Law at an Australian university in the year preceding that in which they would take up the scholarship. In addition, candidates must be British subjects with at least five years' domicile in Australia, under the age of 25 years, not currently holding another scholarship for overseas study, and not under bond or committed in any way to an employer on graduation unless a letter permitting release is provided.

The scholarships provide adequate funds to meet living costs, university tuition and materials and other university charges. An economy class air fare to the United Kingdom and a similar fare for the return passage to Australia, if effected within twelve months of completion of the scholarship tenure, will also be paid by the Shell Company of Australia Limited.

POSTGRADUATE:  
AWARDED BY EXTERNAL  
BODIES

## Prize compositions

Entries for the following prize compositions must be lodged with the Registrar on or before 30 September.

The authorship of entries submitted for the various prize compositions must be anonymous. For this purpose the following instructions must be complied with by the authors of the entries submitted.

- (1) The composition must not be in the handwriting of the author.
- (2) The name of the author must not appear on the composition or in or upon the envelope which contains the composition.
- (3) Each composition must be identified by being inscribed with a nom-de-plume and the name of the prize for which it is entered.
- (4) Each composition must be accompanied by a sealed envelope inscribed with the author's nom-de-plume and with the name of the prize for which the composition is entered.
- (5) The sealed envelope must contain a statement of the author's name, address, faculty and year, his nom-de-plume, the title of the composition and the prize for which it is entered.

An entry will not be accepted from any author who fails to observe these instructions or who otherwise fails to preserve anonymity.

### Topics

The topics for the following prize compositions may be obtained from the Registrar's Office:

### Backhouse Prize

Established in 1939 by a bequest of £100 from the late Judge Backhouse.

The prize is awarded annually to an undergraduate in the second, third, or fourth year in the Faculty of Arts for an English essay on a prescribed topic connected with the study of Greek and Latin. The essay should not exceed 5000 words and should show the main sources from which the material was derived. The prize is not awarded more than twice to the same candidate. The prize consists of books to the value of \$160, which are to be chosen by the winner and approved by the professors of Greek and Latin.

### Beauchamp Prizes

Founded in 1901 by a gift of £625 from his Excellency the Right Honourable William Lygon, Earl Beauchamp, KCMG, Governor of New South Wales.

They are awarded for the best essays on (i) some

literary subject, and (ii) some historical subject, and are of the value of \$1250 each. Topics are set each year for the essays. The competition is open to all undergraduates and graduates of not more than twenty-five terms' standing from matriculation.

**Robert A. Dallen Prize**—\$500. Awarded annually for an essay treating the influence of the Bible on later culture and literature. The competition for the prize is limited to third and fourth year students in arts or graduates in arts of not more than two years' standing.

**Ignaz Friedman Memorial Prize**—Founded in 1953 as a memorial to the late Ignaz Friedman, distinguished Polish pianist.

Awarded annually to an undergraduate of the University for a musical composition of 10–15 minutes' duration for a small group of instruments and/or voice at the discretion of the composer, provided always that a work of sufficient merit is submitted. Value, \$75.

### Henry Lawson Memorial Prizes

Established in 1936 by a gift of £845 from subscribers to the memorial of Henry Lawson, Australian poet and prose-writer, to provide for a 'Henry Lawson Prize for Poetry' and a 'Henry Lawson Prize for Prose', for which competition shall take place annually amongst students of the University under conditions prescribed by the University.

#### 1. *Henry Lawson Prize for Poetry*

Awarded annually for English verse. The composition need not be of great length, though sustained quality will receive due credit. The competition is open to undergraduates who have no graduate status in another Faculty. Value, \$600.

#### 2. *Henry Lawson Prize for Prose*

Awarded annually for an original composition on an Australian theme. The composition need not be of great length, though sustained quality will receive due credit. The competition is open to undergraduates who have no graduate status in another Faculty. Value, \$600.

### Frederick Lloyd Memorial Prize

Founded in 1906 by a gift of £110 from the subscribers to a memorial of the late Frederick Lloyd, BA, assistant lecturer in classics for twelve years in the University. The prize is awarded annually for a Latin essay on a specified subject, and is open to competition to students entering the third or fourth year in the Faculty of Arts. Value, \$525.

**Moran Prize**—Established in 1945 by a gift of £250 from Dr H. M. Moran, for an annual essay prize. The topic shall be of the candidate's own choice, within the field of the history of science and medicine in Australia.

The prize is available for award in even years. Value, \$500.

### Venour V. Nathan Prize

Founded in 1922 by a gift of £500 from Venour V. Nathan to establish an annual prize of £25 for Australian History, to continue a prize previously awarded annually by Mr Nathan.

The prize is awarded for the best essay on some part of Australian history. The essay must be based on a critical examination of the original sources of infor-

<sup>1</sup> Conditions under review.

mation. The competition is open to undergraduates and graduates of not more than 25 terms' standing from matriculation.

Value under review.

**Nicholson Medal**—\$300. For conditions of award see under *Latin* in Undergraduate Scholarships and Prizes.

#### **Earle Page Constitutional Prize**

Founded in 1936 by a gift of £100 from the Right Honourable Earle Page, MB ChM, MHR, then Minister for Commerce, to stimulate the interest of Sydney University men in national policy by the establishment of a prize for an essay on constitutional problems generally.

(1) The prize is known as 'The Earle Page Constitutional Prize'.

(2) The prize is available for award every year.

(3) The value of the prize is \$175.

(4) The prize is open to undergraduates and graduates of not more than eighteen terms' standing.

(5) The prize is awarded for an essay upon an approved subject of constitutional, political, or administrative interest. Prospective entrants are required to apply through the Registrar for approval of their proposed topic. The Registrar will consult with the heads of relevant departments in such a way as to preserve the anonymity of prospective entrants.

**Adrian Consett Stephen Memorial Prize**— Established in 1944 by a bequest of £100 from the late Emilie A. C. Stephen.

Awarded annually on the recommendation of the Professors of English to an undergraduate for a short story or play, the subject of which is not prescribed. Value, \$125.

#### **University Prize for English Verse**

A medal is given by the University for the best composition in English verse. The competition for this medal is open to matriculated members of the University—whether undergraduate or graduate—who are not of more than six years' standing from matriculation.

#### **Wentworth Medals<sup>1</sup>**

Founded in 1854 by a gift of £200 from W. C. Wentworth, the interest to be applied for an annual prize for the best English Essay.

In 1889 the fund had accumulated sufficiently to provide for two prizes of the value of £10 each, and a prize was given for competition amongst undergraduates, and a second prize for competition amongst Bachelors or Arts of not more than three years' standing.

By 1953 the fund had accumulated sufficiently to provide for three prizes of \$80 each, two being given for competition amongst Bachelors of Arts of not more than ten years' standing and the third for competition amongst undergraduates.

#### **Wentworth Medals for Graduates**

Two prizes awarded annually for English essays, one in the field of English Literature and the other in the field of English Language. Competition is restricted to Bachelor of Arts of not more than ten years' standing. Value \$80 each, now awarded as a cash prize.

*Wentworth Medal for Undergraduates*—Awarded annually for an English essay. Value, \$80, now awarded as a cash prize.

PRIZE COMPOSITIONS

<sup>1</sup> Conditions under review.



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# General information

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# Admission and enrolment

ADMISSION AND  
ENROLMENT

## *Qualifications from other universities*

A person who has been admitted to another university on the basis of qualifications not acceptable for matriculation to the University of Sydney and who has subsequently completed courses in that university may, in certain circumstances, be admitted to matriculation in the University of Sydney. Applicants should refer to section 8 of Chapter XX of the by-laws.

## **Residence restrictions**

Admission to the University is restricted generally to permanent residents of Australia. Applicants who are not permanent residents but who have an Australian secondary qualification will be considered for admission in the overseas quota. There is no provision for the admission on the basis of overseas qualifications of private students not permanently resident in Australia.

## **Selection for enrolment**

### *First year*

Entry to all faculties and courses in the University is limited. Each year the University determines the number of places which will be available for first year students and these places are filled on merit. In recent years it has not been possible to offer places to all applicants. Details of the quota places provided last year are given under the heading 'Additional Resolutions of the Senate' in the Statutes section of the *Calendar*. Complete details of the University's selection procedures are contained in the *Students' Information Guide* published in August each year by the Universities and Colleges Admissions Centre. The following is a summary only.

In general, persons who qualified for matriculation at the N.S.W. HSC examination, Leaving Certificate examination or University of Sydney Matriculation examination and have not attended a university or other tertiary institution, will be considered for enrolment in 1987 on the basis of the aggregate of their ten best units.

*Applicants who have attended a university or other tertiary institution* will be considered for selection on the basis of the academic merit they have achieved throughout their entire academic career, including both secondary and tertiary studies.

For all courses, applicants whose tertiary records are sufficiently meritorious, when compared with other eligible applicants, may be admitted even if the selection aggregate they achieved in their secondary level examination is below the minimum required.

For the following courses, however, applicants whose selection aggregates may be above the minimum required for entry in a particular year might still not be admitted if their tertiary record is not sufficiently meritorious, when compared with those of other eligible applicants, having regard to the number of applicants, their relative merit and the number of places available:

Agriculture	Science / Law
Architecture	Economics / Law
Dentistry	Medicine
Education	Music
Engineering	Social Studies
Law	Arts / Social Studies
Arts / Law	Veterinary Science

For example, the very strong competition in recent years from applicants with tertiary records for entry to such courses as Dentistry, Medicine and Veterinary Science has meant that applicants in this category needed to have a good secondary record, and to have gained a *minimum* result of credit or better in at least

## **UNDERGRADUATE ADMISSION**

To be eligible to enter a first degree course in 1987 it is necessary:

- (a) to have qualified for matriculation in the University (see below), and
- (b) to have been selected for enrolment in a course.

In some faculties students are assumed to have reached a certain level of knowledge in subjects taught in first year or to have satisfied certain subject prerequisites. Details of these requirements are set out in the Resolutions of the Senate following Chapter XX of the by-laws.

### **Ordinary matriculation requirements**

The University's present ordinary matriculation requirements are set out in sections 1-3 of Chapter XX of the by-laws. These requirements must be achieved at either the N.S.W. HSC examination or the University of Sydney Matriculation examination.<sup>1</sup> A person who qualified to matriculate to the University in accordance with earlier requirements does not have to meet the present requirements.

The HSC examination is conducted by the N.S.W. Department of Education and is usually held in November.

### **Other qualifications for matriculation**

In addition to the ordinary requirements, the University has several provisions under which other qualifications may, in certain circumstances, be accepted for matriculation. These are set out below.

*Royal Military College, Royal Australian Naval College, diplomas from Agricultural or Technical Colleges, Bachelor in Theology, Licentiate in Theology, degrees or diplomas recognised by the Australian Council on Awards in Advanced Education*  
Applicants should refer to Senate Resolutions 1-6 following Chapter XX of the by-laws.

### **Interstate and overseas qualifications**

Under section 8 of Chapter XX of the by-laws, applicants holding qualifications from interstate and overseas may, in certain circumstances, be admitted to matriculation by the Admissions Committee.

<sup>1</sup> The University of Sydney matriculation examination has been suspended for the time being.

half the courses completed in their tertiary studies, to have had a reasonable chance of being offered enrolment. Similarly, the competition for entry to the Law courses has, in recent years, meant that applicants needed to show a level of academic merit indicated by no failures in their tertiary studies and to have reached at least a credit average in those studies, before they had a reasonable chance of being offered enrolment.

In courses where competition for entry from applicants with a tertiary record is not so great, applicants need to show evidence in their past studies of the likelihood of their succeeding in the course concerned.

It is emphasised that the above examples are given for guidance only and are drawn from the experience of recent years. It is not possible to indicate in advance the precise level of academic merit required for selection in any particular year as this involves academic judgements made each year based on the complete secondary and tertiary record of all eligible applicants for entry to each course.

The previous academic record of *students who have been excluded from a faculty or course at any university or other tertiary institution* will be taken into account in considering an application from these students for enrolment in a new faculty or course. Students who have been excluded or are liable for exclusion from studies in any university or other tertiary institution may give a detailed statement on the application form of the reasons why they consider they should be admitted, and enclose appropriate evidence. A statement based on medical grounds must be supported by a medical certificate.

Applicants seeking admission in 1987 who hold a degree will be selected for entry to some faculties and courses on this qualification alone; *graduates* seeking entry to the Faculties of Agriculture, Architecture, Dentistry, Economics, Engineering, Law (including Arts/Law, Economics/Law and Science/Law), Medicine and Veterinary Science and to the Bachelor of Education, Music and Pharmacy courses will not automatically be given a place in the first year quota of the relevant faculty or course but will be considered on the basis of their whole academic record. It should be noted that as the entire secondary and tertiary record is taken into account, a high selection aggregate will not necessarily ensure selection of a graduate.

#### *Second and later years*

Each faculty or board of studies may admit students with status to enrol in a second or later year for a degree, dependent upon the facilities which are available in the particular faculty or course and subject to the general provisions governing admission to the University.

#### **Applications for enrolment**

Applications for enrolment in first degree courses at the University of Sydney are made through the Universities and Colleges Admissions Centre, a joint office for processing applications for admission to courses at the three universities in the Sydney metropolitan area and some metropolitan and country colleges of advanced education in N.S.W.

Persons seeking entry to first degree courses and persons seeking to transfer to a new course in one or more of the participating institutions lodge with the Centre a single application form on which they indicate preferences for courses available at any or all of the participating institutions.

Application forms are available from the Registrar or from:

Universities and Colleges Admissions Centre,  
645 Harris Street, Ultimo 2007.

Postal address: Box 7049, G.P.O., Sydney 2001.

Applications for admission in 1987 must reach the Centre not later than 1 October 1986.

#### **Special admission**

Persons of mature age (25 years or over as at 1 March 1987) or those who are able to claim that their educational progress has been disadvantaged by any circumstances and who are able to demonstrate educational ability may apply for admission under the University's Special Admission scheme. Details are available from the Registrar.

#### **POSTGRADUATE ADMISSION**

All applicants must lodge an application for admission to candidature with the Registrar, together with official evidence of their complete academic record (photostat copies will not be accepted unless they are perfectly clear and are officially signed and certified). Each application is then considered by the head of the department in which the applicant wishes to study and a recommendation is made on the candidate's acceptability for the course. The application is subsequently considered by the appropriate faculty or board of studies and if it is approved the student will be notified of his admission, informed of the terms of his candidature and of whether he must sit for a preliminary examination. It should be noted, however, that a student may be permitted to register in a course of study after his application has been considered by the appropriate head of department and before formal admission to candidature is granted. Such registration is provisional only and is subject to confirmation by enrolment.

Overseas applicants from countries other than New Zealand should write, as a first step, to the Australian Diplomatic representative in their capital cities. The Australian representative will provide for completion and return to him of an Educational Record form and arrange where necessary a test of proficiency in English. The student should then apply to the Registrar for admission, providing:

- (1) the Educational Record form duly endorsed by the Australian Representative,
- (2) an official certified transcript of academic record and
- (3) a precise indication of the course or field in which the study is proposed.

#### **ENROLMENT**

Every student is required to enrol each year by lodging at the Enrolment Centre the appropriate enrolment form showing the courses proposed to be taken during the year and any other information that may be required. He must also pay the appropriate compulsory subscriptions at the time of enrolment and any fees that may be payable (see below).

All undergraduate students and postgraduate diploma candidates who were enrolled in the University in 1986 and who wish to proceed in the same faculty or course in 1987 and who are eligible to do so (including students who are eligible to repeat first year in the same faculty), must complete their re-enrolment within the period prescribed for the particular faculty or course. The first re-enrolling period commences in February 1987.

Students who are taking supplementary examinations in February 1987, and who then become eligible to re-enrol in the same faculty or course must complete re-enrolment in late February 1987.

New first year students who are notified of their selection for enrolment at the University will be required to accept the offer of a place and complete their enrolment in early February 1987.

Higher degree and postgraduate diploma candidates who were enrolled in 1986 and who wish to proceed with their candidature in 1987 must complete their re-enrolment before the date specified for the particular degree or diploma course.

New higher degree and postgraduate diploma candidates must apply for admission to candidature in time for their enrolment to be completed by early March 1987. Some degrees and diplomas have special closing dates. Details may be obtained from the Registrar.

#### Statement of enrolment record

All the information provided when a student enrolls is added to the computerised student record system. This includes name, address, degree and courses in which enrolled. It is important that this be recorded correctly at the beginning of the year and amended should a change subsequently occur in any of the details.

To enable students to know that the information recorded is correct and to change any of it throughout the year, a *Statement of Enrolment Record* will be sent to them shortly after completion of their enrolment. It should be checked carefully as soon as it is received.

If the information is correct the form should be retained as a record of current enrolment. If it is incorrect in any detail, the form should be amended where appropriate and lodged at the Student Centre as soon as possible. A new Statement of Enrolment Record will then be sent out confirming that the change has been made.

If a student should wish to:

- change the courses in which enrolled
- discontinue a course
- discontinue enrolment totally

at any time during the year, the Statement of Enrolment Record should be used to record the appropriate change. Faculty approval should be obtained for discontinuation, or departmental approval for any additions. The form should then be lodged at the faculty office.

A person's record as a student at the University will not be correct unless the Registrar has been informed (through the faculty office) about a change. It is not sufficient, for instance, to tell the lecturer concerned that a course has been discontinued. Should a student wish to make a change and not be able to locate the Statement of Enrolment record he or she should ask at the Student Centre for a new form.

#### FACULTY OFFICES

Faculty offices, the administrative centres of the faculties, are generally situated close to the Dean's office. They are headed by the Secretary to the Faculty, the member of the Registrar's staff who supervises the regulations pertaining to the faculty and who attends to non academic aspects of students' progress. He or she will give initial advice on admission, enrolment, scholarships, examinations and so on, or direct enquiries to the specialised section of the Registrar's Department responsible for these and other matters.

There are also offices of the three boards of studies, each with a secretary as for the eleven faculties. The location of these offices, and who the secretaries are in 1987, are as follows. The names of deans and chairmen are given separately in the section headed

Faculties and Boards of Studies in the Officers of the University division of the Calendar (see page 19).

#### Faculties

##### *Agriculture*

Secretary: Robert Jeffs, tel: 692 2685

Location: Room S381, mezzanine floor, Western Tower, A14

##### *Architecture*

Secretary: Robert Pollock, tel: 692 3248

Location: Room 326, level 3, Architecture Building, G04

##### *Arts*

Secretary: Margaret Sager, tel: 692 2223

Location: N404, middle floor, Western Tower, A14

##### *Dentistry*

Secretary: Hugh Wilson, tel: 692 2248

Location: Room S383, mezzanine floor, Western Tower, A14

##### *Economics*

Secretary: Mary Pollard, tel: 692 3076

Location: Room 241, level 2, Merewether Building, H04

##### *Education*

Secretary: Raymond Patman, tel: 692 2634

Location: Room G66, Madsen Building

##### *Engineering*

Secretary: Erica Ring, tel: 692 2534

Location: Room 327, level 3, P. N. Russell Building, J02

##### *Law*

Secretary: Pat Miller, tel: 232 5944

Location: Room 1210A, level 12, Law School, 173-5 Phillip Street, C13

##### *Medicine*

Secretary: Debbie Dukes, tel: 692 3132

Location: Room 317, Dean's office, level 3, Bosch Building, D05

##### *Science*

Secretary: Roderick Tindall, tel: 692 3021

Location: Room S385, mezzanine floor, Western Tower, A14

##### *Veterinary Science*

Secretary: Anthony James, tel: 692 3056

Location: Room 218, ground floor, J. D. Stewart Building, B01

#### Boards of Studies

##### *Divinity*

Secretary: Margaret Sager, tel: 692 2223

Location: Room N404, middle floor, Western Tower, A14

##### *Music*

Secretary: Margaret Sager, tel: 692 2223

Location: Room N404, middle floor, Western Tower, A14

##### *Social Work*

Secretary: Robyn Nuss, tel: 692 4038

Location: Mills Building, A26

#### FEES

While there are no tuition fees, each student will be required to pay the Higher Education Administrative Charge of \$250. Payment of this charge is covered by AUSTUDY and ABSTUDY.

**Overseas students**

Overseas students are required to make application to the Overseas Student Office as well as the Universities and Colleges Admissions Centre. They may be liable to pay the overseas student charge. Detailed information may be obtained from Overseas Student Office, P.O. Box 25, Woden, A.C.T. 2606 Australia, or from the nearest Australian diplomatic post.

**COMPULSORY SUBSCRIPTIONS***University of Sydney Union*

Membership of the Union is compulsory for all students. In 1987 there is an entrance fee of \$48 payable on first enrolment and an annual subscription of \$120. A member who has paid five annual subscriptions is exempt from further payments.

*Students' Representative Council*

Subscription of \$27 is payable in 1987 by all undergraduate and Diploma in Education students.

*Sydney University Postgraduate Representative Association*

Subscription of \$33 payable by all higher degree and postgraduate diploma candidates other than Diploma in Education students.

*Sports Union*

Membership is compulsory for all male students except those proceeding to higher degrees. The annual subscription in 1987 is \$67 but once five have been paid, no further subscriptions are required.

*Women's Sports Association*

Membership is compulsory for all female students except those proceeding to higher degrees. The annual subscription in 1987 is \$67, but once five have been paid, no further subscriptions are required.

**Scholarships, traineeships etc.**

All students who have been granted scholarships, traineeships or other benefits where the cost of compulsory subscriptions will be met by the Sponsor, are required to enrol in the normal manner, clearly indicating which award they hold. Documentary evidence of the award, in the form of scholarship vouchers or letters of authority from the sponsoring body, must be presented to the Cashier's Office at the time of enrolment.

**Late charges**

Late enrolment charges are payable by students who do not lodge their annual enrolment forms by the appropriate closing date as laid down in the ENROLMENT Section above.

Late charges will be levied in 1987 as follows:

- (a) during the first week following the appropriate closing date: \$20
- (b) during the second week following the appropriate closing date: \$30
- (c) thereafter: \$40.

# Sources of financial assistance to students

Set out below are the major sources of financial assistance available to students. Students interested in obtaining further information should enquire as below or at the offices indicated.

The Registrar's Office  
Room N641 (top floor)  
Northern Wing  
Main Quadrangle

**COMMONWEALTH GOVERNMENT ASSISTANCE****AUSTUDY: Tertiary Allowances**

AUSTUDY replaces TEAS as the allowance for tertiary students in 1987. The maximum rates range from \$50 to \$80 a week depending on the age of the student, the level of family income and whether the student is living at home or away from home. Payments are made fortnightly. AUSTUDY also includes payment of the Higher Education Administrative Charge.

Applications must be lodged on or before 31 March each year for students to receive retrospective payments to 1 January. Applications received after this date will attract benefits from the date of receipt only.

Information and application forms are available from:

Director  
Commonwealth Department of Education  
59 Goulburn Street  
Sydney  
(Telephone 218 8555)  
Postal address: P.O. Box 596, Haymarket 2000

**ABSTUDY: Aboriginal Study Assistance Scheme**

ABSTUDY provides assistance for Aboriginal and Torres Strait Islander students. Assistance covers a wide range of full- and part-time courses. The 1987 rates for full-time students range from \$65.46 to \$84.21 a week.

Students receiving ABSTUDY benefits may also be entitled to textbook and equipment allowances, dependents allowances and payment of tutorial and fares costs.

Further information may be obtained by contacting an Education Officer at the Commonwealth Department of Education, P.O. Box 596, Haymarket 2000 (telephone 218 8784).

Benefits include the payment of the Higher Education Administrative Charge.

## UNIVERSITY LOAN FUNDS

### APPLICATIONS TO THE REGISTRAR

#### Special Assistance to Students Fund (SATSF)

This fund was established with a grant from the Commonwealth Government in 1985, to assist full-time students whose studies are jeopardised by financial hardship. Both undergraduates and postgraduate students may borrow up to \$2000 interest free each year for essential living and study expenses. Loans must be repaid by graduation at the latest but within one year of taking the loan if possible.

Application forms are available from the Registrar's Office, as above.

#### Australian Government Student Assistance Fund (AGSAF)

This fund provides assistance in the form of loans to students who are studying under conditions of hardship. Any enrolled student who is in a particularly difficult financial situation is eligible to apply.

Loans may be either short-term (emergency) or long-term. Repayment of a long-term loan varies, but is usually by graduation.

Application forms are available from the Registrar's office, as above.

#### Sir Arthur George Fund

This fund was created in 1974 from the Arthur T. George Foundation to assist students or those who could not begin university studies without assistance. An amount of up to \$2000 per annum as a loan is available to any one student. Awards are renewable subject to satisfactory progress. Loans are repayable on terms approved in each case but repayments generally commence two years after graduation.

The first awards were made in 1975. The closing date for applications is late-January each year, but late applications will be considered if funds are available. Application forms may be obtained from the Registrar's office, as above.

#### Australian Computer Society Fund

Established in 1980 by a donation of \$1000 by the Australian Computer Society, to assist needy students in pursuit of their studies in computing science.

Up to \$250 will be available to any one student as a loan, which will be interest free if repayment is made within one year of graduation or discontinuation.

Application forms are available from the Registrar's Office as above.

#### A. P. Elkin Fund for the Assistance of Aboriginal Education

Established in 1980 in memory of Emeritus Professor A. P. Elkin, Professor of Anthropology from 1934 to 1956 from a donation of \$500 received in 1956 from the Christian Spiritualist Church of Marrickville for the advancement of the education of persons of Aboriginal descent.

The fund provides assistance in the form of grants for special purposes.

Application forms from the Registrar's Office as above.

#### University of Sydney Staff and Students Assistance Fund

Both undergraduate and postgraduate students are eligible to apply for loans of up to \$1000 from this

fund. Interest is usually charged only on loans outstanding after graduation. The terms and conditions of repayment vary but repayment of a loan, except a short-term one, need not be made until after graduation.

Application forms are available from the Registrar's office, as above.

#### Goode Memorial Fund

This fund provides interest free loans to women students in the Faculty of Medicine who are in temporary financial difficulty. The loans rarely exceed \$50 and repayment periods are short.

Application forms are available from the Registrar's office, as above.

#### S. H. MacCulloch Trust

Established in 1978 by the bequest of the residuary estate from the late Miss A. J. R. MacCulloch, to be invested by her trustees to create a fund known as the 'S. H. MacCulloch Trust', the income from which is to be applied for the maintenance, education and benefit of undergraduate students in the Faculty of Medicine as the trustees and the dean of the faculty deem advisable.

Up to \$750 will be made available either as a grant or as an interest free loan to a needy student.

Application forms are available from the Registrar's office as above.

#### Gladys Marks Memorial Fund

This fund provides interest free loans to women students of at least 25 years of age. The amount of the loans varies but the maximum is \$250.

Application forms are available from the Registrar's office, as above.

#### Trevor Miller Memorial Fund

Established in 1974 to honour the late Associate Professor Trevor Miller of the Department of Education. Up to \$275 may be available as:

- (a) aid in the form of a gift of books or other educational materials to students from Southeast Asian countries studying at the University;
- (b) financial assistance to students working at the University in the area of comparative education;
- (c) a grant to assist in the publication of work in the area of comparative education; and
- (d) a travel grant to enable students to attend the Conference of the Comparative Education Society.

Application forms from the Registrar's Office as above.

#### Winifred Nettie Ockenden Bequest

Loans from this fund are to assist students in temporary financial difficulty. They rarely exceed \$50 and repayment periods are short.

Application forms are available from the Registrar's office, as above.

#### Margaret Telfer Loan Fund

Established in 1967 by the Sydney University Women's Union to honour the late Registrar, Miss Margaret A. Telfer.

Loans from this fund are to assist students in temporary financial difficulty. They rarely exceed \$50 and repayment periods are short.

Application forms are available from the Registrar's office, as above.

**Ellis Memorial Fund**

This fund provides financial assistance to students in the Faculty of Engineering who would not be able to complete their studies without such assistance.

Applications should be made to the Dean of the Faculty of Engineering.

**Students' Representative Council Bursary and Assistance Fund**

This fund provides loans to undergraduates who can demonstrate sufficient need. Any undergraduate may apply. Loans may be either short or long term. Long term loans vary in amount up to \$600 and in duration with each individual case, but repayment is normally by graduation. Loans and repayment may be in a lump sum or in instalments. Short term loans of up to \$50 may be obtained almost immediately, and are for up to one month. Interest is charged only on overdue loans.

Application forms are available from the SRC Office, Level 1, Wentworth Building.

**SRC Textbook Loan Scheme**

The Textbook Loan Scheme was introduced to give students access to expensive textbooks. Books are lent after 10 per cent of the cost of the book and 10 per cent deposit is paid by the borrower. Books must be returned on the last day of Michaelmas term and the deposit will be refunded.

Enquiries to the Front Office, Level 1, Wentworth Building.

**Field Excursion Loan Fund**

This fund assists students with grants, up to \$60, to attend compulsory field excursions.

Applications can be made to any of the following Departments: Agriculture, Biology, Geography and Geology.

**University Department Loan Funds**

Small loan funds exist in some university departments, for example, in Chemical Engineering, and for postgraduate students in Law. To obtain such loans students should consult the head of the department concerned.

**Sydney University Medical Society Funds**

This Society operates two funds. The Clinical Years Bursary Fund enables loans of a maximum of \$100 per year to be made to students in the clinical years of medicine. The loans are repayable one year after graduation. The Student Emergency Loan Fund enables small loans of up to \$50 repayable within one month, to be made to students in any year of medicine.

Application forms are available from the Sydney University Medical Society, Blackburn Building.

**BURSARIES****University bursaries**

The University has at its disposal a number of bursaries created by private foundations. The bursaries are intended to assist undergraduate students of merit to continue their courses when their financial circumstances are such that they would have difficulty in doing so. The main criteria involved in the award of bursaries are:

- (a) the academic record of the applicant, and
- (b) the degree of his or her financial need.

The value of a bursary ranges from \$40 to \$1000. Full details about bursaries are contained elsewhere in the *Calendar* under the section 'Scholarships, Prizes

and Bursaries'. A student wishing to apply should inquire at the Registrar's office, as above.

See also *University Colleges* below in this part of the *Calendar*.

**Other bursaries****International House Women's Committee Bursary**

This bursary was established by a gift from the International House Women's Committee to assist residents or prospective residents of International House who would not be able to reside there without financial assistance. The value of the bursary is \$20 per week.

Applications to the Director, International House.

**Michael H. Rathgeber Scholarship**

Established in 1971 by a gift of \$2000 from Dr and Mrs H. Rathgeber, to establish a scholarship in memory of their son Michael H. Rathgeber, tenable at International House. A further gift of \$2000 was received from Dr and Mrs Rathgeber in 1972 together with donations from other sources.

The scholarships are awarded to any undergraduate or postgraduate student at the University of Sydney who has a good academic record and who, in the opinion of the Selection Committee, would benefit from residence in International House and contribute to its purpose, but who would not be able to live in International House without assistance.

Preference is given to a student who is an Australian Aboriginal or who comes from Papua New Guinea or from the Pacific Islands.

The value of the award is normally 50 per cent of the International House fees for single study bedroom accommodation during an academic year.

The award is made for a period of one academic year in the first instance but may be extended for a subsequent year or years.

Applications to the Director, International House.

**CWA Scholarship**

The Country Women's Association of New South Wales has given a CWA Scholarship to assist a country female student to live at International House. The scholarship is valued at \$500.00 per annum, which will be credited to International House residence fees.

Further information from and applications to the Director, International House.

**SOURCES OF ASSISTANCE OUTSIDE THE UNIVERSITY****Bank loans**

Some banks offer assistance in the form of loans to students who have completed at least one year of a full-time course. Interest is charged on such loans but they are usually not repayable until after graduation.

Application can be made to managers of branches within the University.

**Bursary Endowment Board**

Bursaries are awarded on the results of the HSC by the N.S.W. Department of Education.

Application forms can be obtained from the Secretary, Bursary Endowment Board, 35-51 Mitchell Street, North Sydney, 2060. Telephone 925 8111.

**Cadetships and traineeships**

Some cadetships and traineeships are available from both public and private employers. Information on cadetships is available from:

## Services and facilities

- (a) Faculty handbooks.
- (b) New South Wales Public Service Board  
Goodsell Building  
8-12 Chifley Square  
Sydney 2000
- (c) Regional Director  
Public Service Board  
Commonwealth Government Centre  
Chifley Square,  
Sydney 2000.

### Dental Board of New South Wales

The Dental Board of New South Wales grants financial assistance in the form of loans to students in the Faculty of Dentistry.

Application forms are available from the Registrar of the Dental Board, McKell Building, Rawson Place, Sydney 2000. Telephone 217 6666.

### Assistance for children of servicemen and ex-servicemen

#### *The Gowrie Scholarship*

This fund provides for the annual award of four scholarships to Australian universities. Scholarships cover the normal period of the course and are tenable only by members of the forces who were engaged in active service during World War II, or their children.

Applications should be made to the Secretary, Gowrie Scholarship Trust Fund, 47 Cherry Street, Warrawee 2074.

#### *The Soldiers' Children Education Scheme*

This scheme offers substantial education benefits (including all fees, fares and a living allowance) to children of ex-servicemen, either deceased or gravely incapacitated, in certain circumstances.

Enquiries can be made at the offices of the Department of Veterans' Affairs, 77 York Street, Sydney 2000. Telephone 2 0234.

#### *Sydney Legacy*

Children of deceased ex-servicemen who are enrolled with Legacy may obtain some assistance for education purposes from this organisation.

Enquiries can be made at the Legacy Offices, 144 Castlereagh Street, Sydney 2000. Telephone 267 9155.

### Animal Houses

Situated 32 km from the main grounds on the University of Sydney Research Station farm at Castle Hill, the Animal House under the supervision of a director supplies laboratory animals used in teaching and research within the University. On the University grounds, the care and use of animals for teaching and research is controlled by Animal Care Committees in the Faculties of Dentistry, Medicine, Science and Veterinary Science under policies laid down by the University Animal Care Committee.

### Archives: University Archives

Established in 1954, the University Archives is the official repository for the records of the administration, of departments, clubs and societies, and of persons involved in, or closely connected with, the University. It also houses a collection of photographs of university interest, and some university publications. The reading room and repository are on the 9th floor of Fisher Library, and the records are available for research use by all members of the University, and by the general public. Restricted access conditions may apply to some records. The reading room is open 9-1, 2-5, Mondays to Fridays. *The University of Sydney Archives Record* is issued from time to time and is available *gratis* upon request.

### Art Workshop

The Art Workshop is situated in a complex of tin sheds at 162 City Road, just down from the Wentworth Building, and in the basement of the Architecture Building on Maze Crescent where the ceramics studio is located.

The Art Workshop provides students with the opportunity to work in various media under the direction of professional artists and to enjoy the experience of developing aspects of their creative potential as a means of complementing their work in the Architecture design studios and in the historical and theoretical aspects of the Fine Arts course. To this end the courses offered by the Art Workshop provide a foundation for technical competence and creative understanding.

A range of classes are offered in: basic painting and drawing, ceramics, etching, foundry sculpture, life drawing, painting, watercolour painting, photography, puppetry, screenprinting, sculpture, super 8 filmmaking and video.

All classes are of three hours duration per week, and advanced classes of six hours' duration will be offered subject to the availability of funds. Students enrolled in Architecture, Fine Arts and Education who are undertaking classes for accreditation towards their respective degrees, or diplomas, in the case of Education students, get priority when enrolling.

To enrol, students should complete a timetable/enrolment form and deposit it in the enrolment box at the Workshop. Enrolment forms are available at the Art Workshop during the last week of first and second terms and in the three weeks preceding the commencement of first term. Enrolment takes place at these times only.

Usually classes are filled with accreditation students but there are occasions when this is not the case and other people from within the University or from the wider community are welcome to attend formal classes. These prospective students should also fill out an Art Workshop enrolment form clearly indicating that they are 'non-accreditation' students.

There are also instances when the facilities of the Art Workshop can be made available for people not formally enrolled in classes but who can demonstrate a technical proficiency that would qualify them to work within a particular media workshop or studio. Access of this kind is usually done in consultation with the Director and the teacher most directly responsible.

### Bookshop

Textbooks, academic reference books and general books may be bought at the University Co-operative Bookshop in the Transient Building in Fisher Road behind the School of Chemistry.

The bookshop is owned wholly by its members, the shareholders. All students and staff may purchase books from the Co-operative. However, those who choose to become members of the Co-op will in general receive a discount of 12.5 per cent off the recommended retail price of the book at the time of their purchase.

Students may become life members of the Co-op by paying \$12.00. This fee is refundable after 24 months should the student wish to withdraw from the Co-op.

The bookshop also provides special order, mail order and subscription services. Displays of special interest are organised throughout the year.

The University Co-operative Bookshop Limited operates bookshops on twenty campuses, as well as individual off-campus bookshops specialising in medical, general and professional books.

Hours: 8.45 am–5.00 pm Mon.–Fri.

8.45 am–6.00 pm Wed.–Thu. during term

Extended trading hours at the commencement of terms.

Manager: Barbara Floreno. Telephone: 692 3705

Text Manager: Jim Tindall. Telephone: 692 2807

### Careers and Appointments Service

The Careers and Appointments Service (CAS) is in the Mackie Building across the footbridge on Parramatta Road, directly opposite the Footbridge Theatre.

The main functions of the CAS are to help students understand the career implications of their subject choice, to help final year students plan their careers and find their first jobs, and to provide a casual work service.

Careers counselling interviews, preferably by appointment, are aimed at advising students on employment opportunities in relation to the courses they are pursuing or planning to pursue. The CAS office has a

Careers Library that contains general information on career opportunities, files on private companies, government departments, and research organisations, and also information on further study opportunities.

The Student Employment Section helps students find vacation work or part-time work during the term and students should come in as early as possible in the year to discuss their requirements.

### Centre for Teaching and Learning

The Centre for Teaching and Learning offers assistance to academic staff in the development and evaluation of teaching methods and courses, testing and examining, and research and innovations in higher education. It arranges workshops and courses on topics concerned with teaching and learning in the University. Members of staff may apply to be seconded to the centre to pursue approved projects of research and development of courses, teaching methods and learning resources. For newly appointed staff the centre offers orientation to teaching activities, and induction programmes on the academic services of the University.

The centre also administers the Teaching and Learning Development Grants scheme which supports innovations in teaching and learning in the University.

The centre is open to undergraduate students and postgraduates. It offers assistance, either from its own resources or by referral to other units within the University, in such matters as study skills, written and oral expression, and examination preparation and techniques.

Thesis writing workshops are offered in cooperation with SUPRA. The centre also offers the English for Migrant and Overseas Students (EMOS) programme.

Members of staff of the centre have works on teaching and learning published in scholarly journals and books; they also conduct research in higher education contexts, and teach and supervise in undergraduate and postgraduate programmes.

Confidential interviews can be arranged by telephone (692 3725) or by calling in person at the centre on the ground floor of the Madsen Building.

### Computing: University Computing Centre

The University Computing Centre, created in 1974 and located on the southern side of the grounds in the Darlington precinct, provides substantial computing services for the University and outside bodies. The mainframe consists of a Control Data Cyber 180–825 and a Cyber 180–830, both running the nos system, with batch and timesharing capability linking more than 350 remote terminals. Peripheral devices include magnetic discs with a storage capacity of approximately 7 x 10<sup>6</sup> characters, five magnetic tape units, and facilities for graph plotting. Other computers installed include a DEC VAX 11/750 and a PDP 11/24 running the UNIX operating system and a PDP 11/34 which drives an Evans & Sutherland picture system; in addition a DEC VAX 11/780, running VMS, provides remote computing facilities for specific departments. The Centre also runs a terminal server network which provides access from various terminal laboratories.

### Counselling Service

Counsellors are available throughout the year for consultation by staff and students. Their assistance is available to those who wish to discuss ways of dealing with personal problems, study difficulties, indecision



about life goals and other matters. Several group programmes are offered each year. These include study skills courses, anxiety management workshops and human relations workshops. Details are available on request at the Counselling Service. Confidential interviews with counsellors can be arranged by telephone or by calling personally at the reception desk in the Institute Building, City Road. Telephone 692 2228-9.

### Electron Microscope Unit

The Electron Microscope Unit is equipped with transmission and scanning electron microscopes (with X-ray attachments) and an electron microprobe analyser, together with a comprehensive range of specimen preparation facilities and a library of texts, atlases and slides relevant to electron microscopy and electron microprobe analysis.

The equipment and services of the Unit are available to postgraduate students and staff of the University provided that the projects planned are acceptable to the director of the Unit. The staff of the Unit, who are experienced in a wide range of research fields, are available for assistance and advice at any time.

Staff of the Unit run training courses throughout the year in all aspects of electron microscopy, specimen preparation and electron microprobe analysis, aimed at enabling users to operate equipment themselves. These courses are generally oversubscribed, so that early application is advised. Postgraduate students using the facilities of the Unit for higher degrees are required to attend the relevant training courses, unless exempted by the director. The use of the facilities and attendance at these courses is free within the University. Enquiries concerning the use of facilities in the Unit should be made to the director.

### Equal Employment Opportunity Unit

The Equal Employment Opportunity Unit is located in the Office of the Vice-Chancellor. The major functions of the Unit are:

- (a) to develop and implement the University's policy on equal employment opportunity (E.E.O.); and
- (b) to assist the University to meet particular requirements under Part IXA of the N.S.W. Anti-Discrimination Act. This involves developing an E.E.O. management plan in relation to sex, race, marital status and physical disability.

The E.E.O. unit has the additional functions of:

- undertaking at the request of the Vice-Chancellor or the E.E.O. Committee of Senate enquiries into any alleged cases of discrimination and to report the results of such enquiries to the Vice-Chancellor or the Committee as the case may be;
- liaising as the Vice-Chancellor may request with relevant industrial groups and advisory bodies;
- promoting knowledge of rights, responsibilities and general implications of equal employment opportunity;
- reporting to the Vice-Chancellor and, through the Vice-Chancellor to Senate on any matters relating to discrimination in employment including the employment of students.

### Education Faculty Facilities

#### C. R. McRae Curriculum Resources Library

This library provides facilities and materials for the study of curriculum problems and the construction of curriculum materials. A library of curriculum materials including reference books, periodicals and bulletins, curricula from Australian states and overseas is being developed. The unit is on the first floor of

the Madsen Building, in Room F49. The librarian in charge is Ms Elizabeth Curach.

#### Child Study Centre

This centre was established to provide a clinical service for children with adjustment problems, particularly of an educational nature. The child's difficulties are diagnosed and a short-term period of non-directive or prescriptive therapy is offered. Observation windows, supplemented by closed circuit TV, enable staff and students to come into close contact with many practical aspects of educational psychology.

#### Microcomputer Laboratory

This laboratory has been established to assist with the study of computer applications in the teaching-learning process. The laboratory is equipped with microcomputers donated by IBM (Australia) and is used for both teaching and research in the department. Current research projects are in the areas of artificial intelligence, curriculum applications, and the development of models and resources for teacher education.

### Farms: University Farms

The University Farms comprise twelve separate farms in the Camden, Bringelly and Badgery's Creek districts within 60 km of the main Sydney grounds, a wheat farm at Moree and two sheep-beef properties west of Marulan. They are used to support the teaching and research activities of the University but are also operated as commercial farm units expected to show profits for farm development and the fulfilment of the conditions of the bequests under which they were acquired.

The twelve farms near Sydney have a total area of 1400 ha, and of this area 250 ha are irrigated from dams and streams. Collectively they carry more than 400 milking cows, 1200 head of dairy and beef cattle of all ages, 2000 sheep, 30 horses, 100 deer, 3000 hens, 3500 broilers, 100 goats and 400 pigs, and in addition they produce some field and horticultural crops.

The main function of the farms is to serve the teaching and research needs of departments within the Faculties of Agriculture and Veterinary Science. The farms also supply animals and other research material to the Faculties of Medicine and Science and carry out field-scale and farm-scale research.

Most final year veterinary science students and many final year and postgraduate agriculture students reside on the farms at Camden.

The Moree property, known as the *Livingston Farm*, covers an area of 4600 ha and is used to complement the research work of the Plant Breeding Institute at Castle Hill and Narrabri by increasing the seed supplies of new university varieties of wheat, soybeans and oats. It has 320 ha of irrigation and has grown up to 3800 ha of wheat and other grains and turned off as many as 200 head of beef cattle in one year. Experiments are carried out on a commercial scale with new farming practices such as no-till cropping and stubble preservation which provides some income for cancer research.

The Marulan properties, known as *Arthursleigh* (5200 ha) and *Mount Pleasant* (2600 ha), came to the University as a bequest from the estate of the late E. T. W. Holt. They are being developed as intensive sheep-beef properties and should eventually provide valuable research-teaching facilities as well as profit for the purposes of the bequest.

## Financial Institutions

### *Commonwealth Bank*

The Commonwealth Banking Corporation has a branch in the Holme Building on Science Road and in the Wentworth Building on City Road. Autobank is provided at both centres. All banking services are available. Commonwealth Bank has extended hours trading 9 am to 5 pm during term.

### *National Australia Bank*

National Australia Bank has two branches, one in Science Road in the Bank Building opposite the Union steps and another in the Wentworth Building on City Road. All normal banking services are available. National Australia Bank also offers extended hours trading, 9 am to 5 pm, during term.

FlexiTeller (automatic teller) is available outside both branches from 7 am to 9 pm daily.

It also conducts a travel service in the Bank building in Science Road which offers the services of a fully accredited travel agency.

### *Universities Credit Union*

The Universities Credit Union is a financial co-operative which is owned and directed by its members, each having an equal shareholding.

The Credit Union offers a range of savings and investment accounts, automatic teller service (Rediteller and Flexiteller), and student loans.

There are two Credit Union offices on campus: 3rd Level,<sup>1</sup> Holme Building, 9 am to 4 pm Monday to Friday, phone: 660 8029; and 3rd Level, Wentworth Building, 8.30 am to 5 pm Monday to Friday, phone: 692 4062.

## Health: Student Health Service

The Student Health Service is available to all students and staff who wish to consult a medical practitioner on physical or mental health matters. The service is located in the Institute Building, City Road, and also serves the Law School on a part-time basis. Appointments may be made in advance but are not required in an emergency or unexpected illness.

## Housing Officer

The Housing Officer assists students and staff seeking accommodation outside the University, and advises on the problems of living away from home. Lists are kept of all types of accommodation and a detailed brochure describing these is available on request. The office is on Level 2 of the Holme Building. Enquiries may be made by calling at the Housing Office or by telephoning 692 3312.

## Information Services

The Information Services Department in the Woolley Building in Western Avenue opposite No. 2 Oval produces *The University of Sydney News* each week during term and *The Gazette* in March, June, September and December of each year. Suggestions for articles for the *News*, which is read by staff, students and the media, are welcome. The paper serves as a major vehicle for the release of news to the media and the department's staff are therefore particularly anxious to hear of new research developments.

The department has extensive contacts with members of the media and several of its members have had wide journalistic experience. It can advise depart-

ments and staff about all media matters, such as news releases, news conferences and general publicity.

The department also acts as a resource centre for visitors, students and outsiders seeking information by telephone. It would appreciate being informed of all activities of relevance.

Information Services also acts as the liaison centre for tours of the University conducted by the Chancellor's Committee.

## Language Study Centre

The Language Study Centre provides audio-visual facilities for the teaching and learning of languages. A library of tapes, slides, video and computer programs with holdings in over seventy languages is available to any member of the staff or student body wishing to engage in independent study.

## Map Library

The Map Library within the Department of Geography in the Institute Building is open to all faculties and departments in the University.

The collection offers world coverage with 45 complete topographic series produced by agencies within the various countries, together with geological, regional, thematic and specialist maps. There are also a number of maps of historic interest. Atlases are held in the Geography Library close by.

Among the local holdings of the library are the Australian topographic series of 1:100 000, 1:250 000, as well as maps produced by the Department of Mines, the Forestry Commission, conservation and planning establishments, census departments, and most other map producing agencies throughout Australia.

The Map Library, which contains over 60 000 maps, is open from 9.00 am to 5.00 pm on weekdays. Its comprehensive collection of wall maps is available for lecture use throughout the University. In other respects the library is for reference only, map identity being obtained from a visual index or catalogue. The map custodian is the cartographer of the Department of Geography.

## Mathematics Learning Centre

The Mathematics Learning Centre was established in 1984 to help students who enter the University with insufficient preparation in mathematics to enable them to cope with either the normal first year mathematics courses or with the mathematical requirements of other subjects. These may be students who have not studied the appropriate level of mathematics at school, mature students returning to study or others who have been disadvantaged in some way in their learning of mathematics. The Centre offers individualised, self-paced instruction and small group teaching. In addition, special courses or workshops are organised from time to time.

Students who have mathematics-related difficulties should contact the Officer-in-Charge by calling at the Centre, located on the ground floor of the Transient Building in Fisher Road, or by telephoning 692 4061.

## Nimrod Theatre Company

The Nimrod Theatre Company is the resident theatre company at the Seymour Theatre Centre on the corner of City Road and Cleveland Street. It will present a season of classics in repertoire in the York Theatre as well as productions of modern plays in both the Everest and Downstairs Theatres.

All administrative and artistic staff of the company are located in the Centre. Workshop and wardrobe

<sup>1</sup> Level numbers for the Holme Building have been changed for 1987 onwards.

departments are contained in a nearby Glebe warehouse. All enquiries may be directed to the Administrator on (02) 692 0555.

### **NWG Macintosh Centre for Quaternary Dating**

The Centre was established in 1984 and is located in the Madsen Building, next to the Electron Microscope Unit. It has equipment for radiocarbon dating, and a laboratory for sample preparation.

Samples for dating are accepted from departments within the University, and from the research community throughout Australia. The staff has research experience in radiocarbon, palaeomagnetism and other dating methods, and will advise at any time.

Laboratory tours and talks or lectures can be arranged to suit courses in other departments.

### **Office of Graduate and Community Relations (OGCR)**

The OGCR was established in 1986 to increase contact between the University and its graduates and to develop the University's relations with the community. It is situated in the Attendant's Lodge, City Road Gates.

The aim of the office is to stimulate interest and involvement of graduates in the life of the University so they will have a continuing sense of being an important part of its activities and a continuing interest in its welfare. A further aim is to initiate ways by which the University can increase the community's understanding of, and support for, its role and work, in particular with the corporate sector.

The office is working towards increasing its records systems and information base which will provide a reliable resource and support for a wide range of groups and activities.

### **Post Office**

The University Post Office in Science Road opposite the Union steps provides all normal postal facilities.

The University has its own exclusive postcode, N.S.W. 2006.

### **Press: Sydney University Press**

The Press, supported in part by funding from the Eleanor Sophia Wood Bequest, commenced active operations in January 1964. It is housed in the Press Building adjacent to the Institute Building in City Road.

The Press undertakes, by selection, to publish scholarly works in any discipline provided they are assessed as academically sound and a satisfactory market exists. Generally the books will have an Australian content. Books of greater market appeal, including those that may have a secondary or tertiary student use, are undertaken provided they are assessed as of a high academic standard.

Editorial services and production guidance are provided for a number of scholarly journals.

The Press distributes a series of videotapes for teacher training made by the University of Sydney.

### **Research units**

#### **Centre for European Studies**

The purpose of the Centre for European Studies is to encourage knowledge of and research into European affairs, past, present and future. Membership is open to students and staff interested in Europe, associate membership to those outside the University who have such interests.

The Centre promotes seminars and conferences of an inter-disciplinary nature and arranges seminars by visiting European scholars and others with expertise in European affairs. It is active in putting scholars who share research interests in touch with one another. The Centre is planning an exchange and information service with other European institutes overseas.

Further information is available from Associate Professor Sybil Jack, extension 2206.

#### **Human Nutrition Unit**

The nutrition staff of the University are combined in one unit with those of the School of Public Health under the direction of the Boden Professor of Human Nutrition. The unit has a laboratory and offices on the fourth floor of the Biochemistry Building, other office accommodation in the School of Public Health, and a metabolic house for human feeding experiments in Darlington Road.

The postgraduate diploma course in Nutrition and Dietetics takes 5 terms (approximately 1½ years), including 4 months' training in dietetics departments of teaching hospitals. Competition for entrance is keen. Research projects currently being undertaken in the Human Nutrition Unit include food intake measurements in vulnerable groups; analysis of bush foods used by Aborigines; effect of diet on plasma lipids and lipoproteins in humans and laboratory animals; detection of carbohydrate intolerance by breath hydrogen measurement; factors related to the digestibility of carbohydrates in different foods; weight gain in pregnancy and foetal outcome; the effect of meals on mental function; how people's food habits change when they get married; studies on vitamin C; hypersensitivity to foods; the terminology project for INFOODS (International Network of Food Data Systems).

#### **Marine Studies Centre**

The Marine Studies Centre was established to develop and co-ordinate teaching and research in the marine sciences within the University. Membership of the Centre is open to members of academic staff and research students working in marine research. The Centre produces its own newsletter and provides advice on facilities and also the range of research activities being undertaken within the University. Further information is available from the Director.

#### **AGRICULTURE**

##### **Institute of Advanced Studies**

The Institute of Advanced Studies was established within the Faculty of Agriculture in 1974 to advise the Senate regarding several bequests. The Institute will use the funds to further the development of postgraduate studies and research in the Faculty. It is intended that the Institute shall promote the attraction of additional income.

The directors of the Institute are elected from and by members of the Faculty of Agriculture who are full-time permanent members of the Departments of Agricultural Genetics and Biometry, Agricultural Chemistry, Agricultural Economics, Agronomy and Horticultural Science, Animal Husbandry, Microbiology, Plant Pathology and Agricultural Entomology and Soil Science. Each of these eight departments has one member of its staff as a director. The Dean is *ex officio* a director.

##### **Plant Breeding Institute**

An institute known as the Plant Breeding Institute was established within the Faculty of Agriculture in 1974 to promote the science of plant breeding and the im-

provement in the genotypes of crop plants available for commercial cultivation. The Institute is governed by a Council, comprised of members of the N.S.W. Wheat Research Foundation, the N.S.W. Minister for Agriculture and members of the staff of the University, which reports to the Senate. The Institute draws together, for the above purposes, the Plant Breeding Institute, Narrabri, the Castle Hill Research Station and the genetics section of the Department of Agricultural Genetics and Biometry. The Professor of Plant Breeding is the Director of the Institute.

#### ARCHITECTURE

##### **Ian Buchan Fell Research Project on Housing**

Under the terms of the will of Ian Buchan Fell the University set up in 1965 a research unit within the Faculty of Architecture to investigate people's needs in relation to their housing.

'Needs' are viewed as concerning not only the buildings that provide shelter, but also the servicing of them, their economic viability, and the psychological effects of aspects of housing and neighbourhood design.

The project carries out research on its own behalf and sponsors research through studentships to approved applicants.

A list of publications by this research project since 1968 may be obtained on request.

#### **Planning Research Centre**

The Planning Research Centre, located in the Department of Town and Country Planning, furthers fundamental research into physical planning and development. It also sponsors seminars in specialised fields and promotes the publication of research material. The first Research Centre Fellow was appointed in 1966 and the first Research Centre Student was appointed in 1967. The Director is Professor M. T. Daly.

#### ARTS

##### **Centre for Asian Studies**

The principal purpose of the Centre for Asian Studies is to encourage knowledge of and research into the Asian region. Membership of the Centre is open to staff and students with an interest in the region; associate membership is available to those outside the University who share this interest.

The Centre organises specialist seminars by members of the University and visitors. It promotes knowledge of Asia outside the University through public seminars and such events as the annual Asian History Study Day for HSC students. It produces a newsletter, and publishes materials relating to Asia. The Centre advises students with an interest in Asia about ways to select a programme of courses from those that focus on Asia offered by various departments. It also assists people seeking to contact members of the university staff who have specific Asian research interests.

Further information is available from the President, Centre for Asian Studies, P.O. Box 19, Holme Building, A09, or from telephone extension 3404.

#### DENTISTRY

**Institute of Dental Research**, in the United Dental Hospital Building, was established in 1946 for investigation into the causes and prevention of oral diseases. The Institute also does the routine pathological work for the dental hospital. The Director of the Institute holds the Chair of Oral Biology.

#### ECONOMICS

##### **Accounting Research Centre**

The University of Sydney Accounting Research Centre is an adjunct of the Department of Accounting.

The objects of the Centre are to promote research in accounting, to maintain a collection of research material, to organise seminars and lectures on research work and to publish the results of such work.

The centre conducts research seminars, publishes the twice-yearly journal *Abacus*, and offers limited consulting services. It has an extensive research collection, and maintains files of the annual reports of companies in Australia and to some extent overseas.

The centre is administered by a Director, Professor M. C. Wells.

#### EDUCATION

**The Curriculum Research and Development Centre** was established in 1979 to undertake research, development and consultancy activities. These have included a Living Skills Project; a Core Curriculum Project in conjunction with the N.S.W. Institute of Educational Research and the Division of Studies of the N.S.W. Department of Education; a Studying Australia in Japan Project funded by the Australia-Japan Foundation; a Teaching about Australia in China Project funded by the Australia-China Council; and the preparation of a bibliography on simulation and gaming in Australia in conjunction with the Australian Decision, Simulation and Educational Gaming Association. In addition to the above, the Centre gathers resources and has an ongoing interest in such areas as Australian Studies, Cultural Pluralism, Studies of Asian Cultures, Mass Media Education, Curriculum Decision Making, and integrated courses in social science.

#### ENGINEERING

**Fleurs Radiotelescope**, on the outskirts of Sydney, is a 1.6 km aperture synthesis telescope capable of forming images at 1420 MHz with a resolution of 23 arcseconds. It is run by the Department of Electrical Engineering.

**Laboratory for Imaging Science and Engineering (ISE)** within the Department of Electrical Engineering is a centre for research in imaging, image processing and special purpose computers. It concentrates on medical images and integrated circuit design (VLSI).

**The MHD Research Facility**, at the White Bay Power Station of the Electricity Commission of New South Wales, is a 4 MW fuel flow facility of the Department of Electrical Engineering set up in 1979 for research into and development of magnetohydrodynamic electric power generation.

##### **The Warren Centre for Advanced Engineering**

The Warren Centre was opened in May 1983 as part of the Engineering Faculty Centenary Celebrations, with funds raised mainly by donations from industry and from graduates.

The aim of the Centre is to cooperate with industry to promote excellence and innovation in all fields of engineering in Australia. The Centre is controlled by a Board comprised of representatives of both industry and the University, with the majority of Directors from industry. Directors serve for a maximum period of five years.

The Centre performs its function mainly by bringing together, under distinguished Visiting Fellows,

selected groups of experienced practising engineers from industry, experts from Australia and overseas, and research and teaching engineers. Such Visiting Fellows are appointed for short periods only — from two to six months. The tasks of the project groups are to focus on particular engineering problems important to the development of engineering skills in Australia. Such problems are identified by the Board with the help of industry generally and the Faculty.

In order that the information, skills and influence of the Visiting Fellows and of the groups may be spread to a larger number of engineers, the Centre arranges seminars, workshops and lectures in which Visiting Fellows and Project Fellows participate.

The day-to-day activities of the Centre are carried out by a small staff led by the Executive Director, Professor T. W. Cole, and assisted by Mr E. S. Swinbourne, Executive Officer.

#### LAW

##### **Criminology: Institute of Criminology**

The Institute of Criminology was established within the Faculty of Law in 1966 to further the development of teaching and research in criminology and penology. The aims of the Institute are: to engage in systematic research into the basic and the practical problems of crime and the treatment of offenders; to engage in research into the nature and extent of crime; to provide objective data for the improvement of the criminal law, of the treatment of offenders, and of law enforcement practices; to assist in the training programmes of law enforcement and correctional agencies; to provide advanced training for persons engaged in the prevention, control and treatment of crime; and to foster a higher standard of criminal justice by contributing to the formation of an enlightened public opinion.

The activities of the institute include: undergraduate and graduate teaching and research within the formal university framework; teaching, research and service functions for the Australian Police College, the N.S.W. Police Department, and the N.S.W. Department of Corrective Services; research, and the public dissemination of information, on the problems of crime and on the criminal law and its enforcement; cooperation with other criminological institutions and organisations in Australia and overseas; and the organisation each year of a series of public seminars on problems in the criminal justice field and the publication of the proceedings of these seminars.

#### MEDICINE

##### **Clinical Immunology Research Centre**

The Clinical Immunology Research Centre was established in 1982 under the direction of Professor A. Basten by means of a Centre of Excellence grant to the University. In 1983 the Centre moved into new premises on the Royal Prince Alfred Hospital campus which are shared with the Hospital's Immunology Department and Molecular Biology group. The move has facilitated the Centre's research programme by providing better laboratories and allowing development or expansion of new technologies such as flow cytometry, T cell lines, monoclonal antibody production and recombinant DNA methodology. These technologies are being used to address key issues in the broad field of immunoregulation in experimental models and man. At the basic level particular attention is being focused on:

- (a) the mechanisms of self tolerance and autoimmunity in conventional and transgenic mice;

- (b) the characterisation of protective antigens on mycobacteria (including leprosy) and the nature of the immune response to those organisms;
- (c) the identification of abnormal gene rearrangements in patients with connective tissue disorders, hypogammaglobulinaemia and leukaemia; and
- (d) the development of cytotoxin-antibody conjugates for cancer therapy.

At the applied level, work is being carried out in AIDS, several clinical trials are in progress in conditions such as multiple sclerosis and recurrent abortion, and recently the first comprehensive antenatal diagnostic unit in N.S.W. employing molecular probes has been established. The combination of basic and applied work is made possible by the close links established between the Centre and Royal Prince Alfred Hospital. The total staff within the building number approximately 50 and include 13 part-time or full-time postgraduate students.

##### **Menzies School of Health Research**

The Menzies School of Health Research, Darwin, was established in 1983 through the combined efforts of the Sir Robert Menzies National Foundation, departments of the Northern Territory Government and the University of Sydney. The objective of the School is to improve the health of all people in tropical and central Australia by establishing a centre of scientific excellence in health research and education.

The foundation Director and first Robert Menzies Professor, Dr John Mathews, is developing multidisciplinary research programmes to address the health problems of greatest importance in northern and central Australia. Particular attention is being given to alcohol-related disorders, to heart disease and hypertension, and to health problems arising from poor nutrition, from chronic infections and from environmental exposures.

As a special teaching hospital of the University of Sydney students may study for research degrees of the University through the School. Senior academic staff will be eligible for the award of academic titles and in conjunction with the faculties of Medicine and Science will supervise higher degree candidature.

##### **National Occupational Health and Safety Commission**

Creation of the National Occupational Health and Safety Commission, or Worksafe Australia, was announced in October 1984 and its role as the statutory body concerned with coordinating national activities in this field in Australia was confirmed when its Act was proclaimed in December 1985.

The Act provides also for the establishment of a National Institute of Occupational Health and Safety as one of the two main wings of the Commission. The Institute is to be sited close to the University of Sydney and the Royal Prince Alfred Hospital with which the Institute expects to establish close academic, scientific and clinical ties. A new masters degree in occupational health and safety is likely to be established in the University, with major electives in the main disciplines comprising that field. The former Department of Occupational and Environmental Health in the School of Public Health and Tropical Medicine at the University of Sydney has provided the nucleus of the new Institute, and the new degree is expected to replace the occupational health elective conducted by that department in the degree of Master of Public Health in the University. In addition, the Commission has estab-

lished a National Centre for Safety Science in the Faculty of Engineering at the University of New South Wales, which will work closely with the new Institute.

### **Neurobiology Research Centre**

The Neurobiology Research Centre was established in March 1982 under the direction of Professor M. R. Bennett by means of a Centre of Excellence grant to the University. This research centre is concerned with elucidating the mechanisms that govern the development of the nervous system. To this end the following areas of investigation are being studied: first, the process by which nerves grow along appropriate pathways to their correct target cells; second, the formation of synaptic sites on cells at which nerves can form connections; third, the maturation of nerve terminals at these synaptic sites; finally, the isolation of factors provided by target cells which are necessary for the survival of neurons. There are twenty-seven research personnel, including PhD students, MD students, postdoctoral fellows and research fellows.

**Queen Elizabeth II Research Institute for Mothers and Infants** situated in the medical precinct within the university grounds, was established in 1958 for investigation of the causes and prevention of illness and deaths of mothers and infants. Since then the work of the institute has expanded to include research on all aspects of reproduction in women.

### **SCIENCE**

#### **Coastal Studies Unit**

The Coastal Studies Unit was formally established in 1986 following ten years of informal operations. The aims of the Unit are to be responsible for research and communication on problems related to geomorphology and management of coastal environments; to provide a focus for cooperation and collaboration with other institutions, organisations and agencies involved in related problems both in Australia and internationally; to serve as a centre for attracting funds and grants to the University of Sydney for research and teaching; to provide access to facilities and expertise for undergraduate, postgraduate and non-degree teaching and training; and to assist in the development of marine sciences at the University of Sydney through affiliation with the Marine Sciences Centre and other affiliated organisations.

Research programmes are primarily concerned with the Quaternary evolution and present dynamics and status of Australia's coast. Programmes are Australia-wide and include the continental shelf, shoreline and associated estuaries, deltaic and coastal dune systems as well as human interaction with them. Further information may be obtained from the Director, Dr A. D. Short.

#### **Institute of Marine Ecology**

The Institute of Marine Ecology was established in 1984 to foster research into marine biological communities. The aims of the Institute are: to be responsible for expansion and promotion of quality marine ecological research in the University of Sydney; to provide a focus for cooperation and collaboration with other research organisations within Australia and in other parts of the world; to serve as a centre for attracting research funds to the University of Sydney for increased research opportunities in marine ecology; to provide facilities and assistance for postgraduate and undergraduate research, and for non-degree teaching and training in marine ecology; to promote the development of marine research facilities in the

Sydney region. Further information may be obtained from the Director, Dr A. J. Underwood (Biological Sciences).

### **Ocean Sciences Institute**

The Ocean Sciences Institute was set up within the Faculty of Science in 1983 under an agreement between the University and the Commonwealth. The aims of the Institute are to promote education, study and research in the wider aspects of knowledge about the oceans and in particular to: contribute knowledge of the ocean that is of relevance to the Department of Defence and cooperate with the Defence Science and Technology Organisation about matters of common interest; facilitate and develop research into all aspects of the knowledge of the oceans; assist in the development of technology relevant to the study of the oceans; assist in the training of postgraduate students, assist and encourage the interchange of scholars and researchers; arrange public lectures and support conferences on matters relevant to the Institute; and promote dissemination of knowledge of the oceans through the support of publications. No research undertaken by the Institute is of a classified nature with regard to national security.

The core funding of the Institute comprises a grant from the Commonwealth and matching funds on resources from the University.

Research programmes include: geological and geophysical studies of the Australian continental margin; Tasman Sea and the Southwest Pacific lithospheric and physical oceanographic studies from satellites; geoaoustic map compilation; physical oceanography in the oceans in the Australian region; oceanographic instrumentation development and multichannel seismic processing.

### **Transnational Corporations Research Project**

This project was established in 1975 and has received donations from governments, trade unions, companies and individuals.

The aims of the project are to provide information on, and initiate research into, various aspects of foreign investment and the activities of transnational corporations in Australia.

There are three main areas:

- (a) the publication of books, research monographs and papers on transnational corporations in Australia, South East Asia and the Pacific;
- (b) the establishment of a library of books, articles and relevant journals;
- (c) the development of relationships with similar research organisations overseas, including the United Nations Centre on Transnational Corporations and the Transnational Institutes in Washington and Amsterdam.

### **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION (CSIRO)**

Close collaboration in research activities exists between many university departments and relevant divisions of CSIRO, particularly in agriculture, biochemistry, biological sciences, veterinary physiology, mechanical engineering, electrical engineering and chemical engineering. The university school of biological sciences has joint research units of entomology as well as marine biochemistry with CSIRO. At the McMaster laboratory, Division of Animal Health, CSIRO facilities are available for research in parasitology, bacteriology and immunology. McMaster farm (140 ha) is attached to the same division, and

McMaster field station (162 ha) of the Division of Animal Production, adjoins the University's McGarvie Smith animal husbandry farm and is equipped primarily for investigations in genetics and reproductive physiology in sheep and cattle under field conditions.

### Sample Survey Centre

The Sample Survey Centre (SSC) is a service centre of the University providing a research consultancy to the social and biomedical sciences and to administration and management. Formed in 1975, it concentrates the skills, resources and equipment necessary for the conduct of surveys and other types of studies which gather information from human populations. The SSC provides consultation services for study design, forms and questionnaire design, fieldwork data collection methodology, data preparation, data base management and statistical data analysis. In addition, the SSC provides a computer data entry service to the campus. Researchers can use the SSC to secure labour for the conduct of surveys, obviating the need for them to engage subcontractors such as fieldworkers and interviewers, clerks and programmers, and freeing them from the time-consuming tasks of survey management.

Staff at the SSC also pursue their own programmes of research into the substantive content areas of social epidemiology and survey methodology. Teaching support is also provided to departments which require assistance in the area of survey methods. The SSC is the University of Sydney headquarters for the Australian Consortium for Social and Political Research (ACSPRI), which is affiliated with the Inter-university Consortium for Political and Social Research (ICPSR) based at the Institute for Social Research at the University of Michigan, U.S.A. Through its membership of ACSPRI, the SSC enables staff and students to gain access to national and international machine-readable data archives for research and teaching purposes.

The SSC is located in the South wing of the Institute Building (H03) and appointments for consultations can be made by telephoning 692 3624.

### Services: Administrative service units

A number of service units facilitate the general operations of all academic and administrative departments:

- Building and Grounds Office
- Photography Department
- Purchasing Office
- University Garage
- University Printing Service
- University Services Store

### Building and Grounds Office

On the first floor of the Services Building, the Building and Grounds Office is responsible to the Deputy Principal and Bursar for: site planning; management of the Major Building and Minor Works Programmes; maintenance of buildings, site works, site services and grounds; energy management; space inventory and space utilisation records; provision and servicing of fire-fighting equipment; and sundry duties such as signwriting, liquid waste collection, pest control, provision of furniture, and removals.

The general enquiry number for the Building and Grounds Office is 3444. Defects that require urgent attention should be communicated by telephoning that extension during working hours, or 3333 (Security) after hours.

### Photography Department

On the first floor of the Services Building, the Photography Department offers all photographic services, including portraiture; macrophotography; photomicroscopy; external, large format and studio photography; platemaking; colour and black and white duplicating and printing from slides and negatives; and direct copy work.

For further information contact the Officer-in-Charge on 692 3453.

### Purchasing Office

On the top floor of the Services Building, the Purchasing Office is responsible for the procurement of goods and services from both local and overseas sources. A large library of catalogues is maintained; requests to research the market for equipment capable of meeting your specifications will be dealt with speedily. The Purchasing Officer is available to assist in negotiations with suppliers if required.

For further information contact the Purchasing Officer on 692 2177.

### University Garage

At the rear of the Services Building, the garage provides petrol and oil, and regular maintenance and repair services for any university vehicle.

For further information contact the Mechanic-in-Charge on 692 3387.

### University Printing Service

On the top floor of the Services Building, the Printing Service offers a wide range of printing services including typesetting, preparation of artwork, small-offset printing, high speed photocopying, addressing, numbering, collating, stapling, guillotining and book-binding.

For further information contact the Officer-in-Charge on 692 2009.

### University Services Store

On the ground floor of the Services Building is a large bulk store with a Chemical Store adjacent. An extensive range of goods and materials is carried including such items as hardware, electrical, plumbing, stationery, diskettes, glassware, chemicals, furniture, overalls and cleaning materials.

For further information contact the Stores Officer on 692 3972.

### Seymour Theatre Centre

The establishment of the Centre was made possible by the Everest York Seymour Bequest. In accordance with Seymour's wishes the Centre has been designed to serve as the focal point for a wide variety of activities associated with all aspects of the performing arts.

The self-contained complex houses three theatres, rehearsal studios, backstage facilities, offices, a recording studio, cinema facilities, display areas, bars and a restaurant.

The two major theatres have been named 'The Everest' and 'The York' after the benefactor of the Centre. The smaller experimental theatre is called 'The Downstairs'.

The University, through the Theatre Studies Service Unit, has made available a number of weeks of the year for use by university teaching departments and student clubs and societies.

The Everest Theatre and York Theatre are also available subject to existing commercial bookings.

In August 1984, the Centre welcomed Nimrod Theatre Company as its first company-in-residence.

### Television Service

The University Television Service works with departments throughout the University to produce high quality videotapes, films and slide-tape presentations for use in both teaching and research. Some of these productions have been accepted for broadcasting by the national and commercial networks. A number have won awards at various film and television festivals.

The Service produces several radio programmes each week with the Centre for Continuing Education for broadcasting on Sydney Educational Radio—2SER FM (107.5 MHz). The Graphics section provides a graphic design service to university departments for lecture, conference and other materials. The Engineering Maintenance section offers a similar service for equipment. The Service provides general advice and assistance to departments on all types of video and audiovisual equipment.

The unit, which is based in the Carslaw Lecture Theatre Block, is equipped with full broadcast standard facilities including a colour television studio, colour mobile recording unit, single camera unit, telecine and video-editing. Master recording is done on 25 mm C-format (broadcast standard) tape but other tape formats are used for replay. Professional standard (U-matic) portable facilities are used for minor projects such as laboratory demonstrations, micro-teaching, conference work and the like. The unit also has a small recording studio and 16 mm film production facilities.

With the growth of portapack and domestic video, the Service plays an increasing part in assisting departments in the use of the television medium. It has a growing stock of loan video equipment and offers the use of a DIY editing suite to members of the University.

### Theatre Studies Service Unit

The Theatre Studies Service Unit works closely with university departments and student societies that have active theatre interests. In response to the needs of staff and students the Unit evolves programmes and projects which develop critical and practical skills in aspects of Theatre Analysis and Performance Studies.

The Unit provides consultative services in stage design, and in direction, technical theatre, production management and theatre crafts. In conjunction with other university departments, it mounts fully professional productions directly related to teaching programmes and/or departmental research projects.

The prime responsibilities of the Unit are the servicing of teaching and research in theatre in the academic departments of the University, and the providing, wherever practicable and possible, of advice and assistance to student drama. The Unit aims at attracting funds from outside sources.

## University of Sydney Library

The University of Sydney Library comprises the central library—housed in the Fisher Library—and branch and departmental libraries. The Library holds three million volumes and receives regularly more than 25 000 serial titles. The central catalogues in Fisher record the total holdings of the Library, including all branch and departmental libraries.

The first books were acquired in 1851 and shortly afterwards the library of Sydney College was added. The notable collection of Nicol D. Stenhouse was acquired in 1878 as the gift of Thomas Walker. One hundred years ago, in 1884, a boot and shoe shop proprietor, Thomas Fisher, bequeathed to the University the sum of £30 000, the income from which is used as a book fund. The Hugh Macdonald Collection of English Literature has been acquired through the Fisher Fund. An important acquisition in 1963 was the library of the late Professor J. R. B. Stewart, strong in middle eastern archaeology and in numismatics. The finest collection of books in extent and importance which has been given to the University is that of Sir Charles Nicholson. There have been numerous other benefactions, among which may be mentioned the library of Sir Francis Anderson, the W. H. and Elizabeth M. Deane Fund and Collection, and the Dalley-Scarlett Music Library, the gift of Mrs R. Dalley-Scarlett. Outstanding cash donations have been the gifts of Mrs R. Keesing, and the result of an appeal conducted by the Standing Committee of Convocation. In 1961 the Friends of the University of Sydney Library came into being. This society has been responsible for notable acquisitions of rare books. In 1982 the Senate established the Bruce Williams Fund for the Library, with the object of soliciting donations and using the income from investments for the purchase of books and periodicals.

### Fisher Library

In Fisher there are three main collections: the Undergraduate Library, the Research Library and the Rare Book Library. Fisher also houses the Lending Services and Information Services Departments, the headquarters of the branch and departmental library system and the Technical Services Division which is responsible for acquiring and processing all material added to the Library.

From 1909 Fisher Library occupied the south-western corner of the Main Quadrangle, first in an isolated block the centrepiece of which is now



MacLaurin Hall, later extending into the connecting link to the original eastern wing, now the Professorial Board Room area. In 1962 the first stage of the new Fisher Library was occupied, and this building went into operation fully from January 1963. The Library has been designed as two separate buildings connected by a link. The undergraduate wing is of five storeys, as is the link which accommodates the public services, the rare books and the library administration. There is seating for 2000 readers and shelf space for more than 100 000 volumes. A bookstack of nine storeys houses the main research collection. When fully occupied the Library will accommodate 3 000 000 volumes and 3000 readers.

#### *Undergraduate Library*

The Undergraduate Library is used by all students in First Year but decreasingly in later years by students other than those in Arts and Economics. The collection totals 130 000 volumes, including multiple copies of books recommended for reading by large classes. A catalogue of this collection in microfiche format is published twice a year and is widely available throughout the Library.

Enquiries about books in the undergraduate collection, including the special reserve, should be directed to the Information Services Librarian, who is responsible also for the music listening facilities and audiovisual materials, all described later in this section.

#### *Research Library*

The Research Library covers all subjects, in many of which the collections are outstanding by Australian standards. It holds many of the back sets of scientific serials but its heaviest use is as the main library for scholars in Arts and Economics.

#### *Rare Book Library*

The Rare Book Library includes manuscripts, early printed books, Australian, private press books and associated items. It is particularly strong in seventeenth and eighteenth century English literature and history. The library holds twenty-four incunabula and thirty-two medieval manuscripts. A number of first editions of Handel are included in the Dalley-Scarlett Music Collection.

#### *Reference service*

The Library maintains a professionally staffed reference service, throughout all the hours that Fisher is open, in the Information and Catalogue area on the main floor.

In this area, in addition to the Library's own catalogues, there is an extensive collection of reference books and bibliographies, including the catalogues of other major libraries and union lists of holdings of periodicals in Australian libraries.

#### *Information service*

Enquiries about books in the research collection, reference books and bibliographies should be directed to the Information Services Department.

#### *Lending service*

The Lending Services Department handles all borrowings from Fisher and all enquiries relating to loans, reservations and overdue should be directed to it.

The Lending Services Department is also equipped to locate material not in the University Library and to secure it through the inter-library loan service.

#### *Branch and department libraries*

The Division of Branch and Department Libraries handles enquiries about the Branch and Department libraries outside Fisher.

#### *Special facilities*

There are a number of other special services available in Fisher.

*Music and literary recordings.*—A collection of over 2000 records of music and literature may be played on the library's high-fidelity stereo equipment. The collection includes recordings of early music, jazz, folk music, classical music, non-western music, contemporary music, drama and poetry.

*Browsing Collection.*—A collection of general reading in open access.

*Copying.*—Coin-operated photocopiers are available.

*Microcopy reading.*—Readers are available for microfilm, microprint, and microfiche. Reader-printers make full sized copies of microfilm pages.

*Theses.*—The library has a collection of theses presented for higher degrees in the University of Sydney.

#### *Library guides*

Leaflets describing the Library and how to use it may be obtained in the entrance foyer of Fisher.

#### *Hours of opening*

Fisher Library is open as follows:

During term

Monday-Thursday:

8 am to 10 pm (Lent and Trinity terms)

8 am to 11 pm (Michaelmas term)

Friday: 8 am to 8 pm

Saturday: 9 am to 5 pm

Sunday: 1 pm to 5 pm (Lent and Trinity terms)

10 am to 5 pm (Michaelmas term)

In May and August vacations

Monday-Thursday: 8 am to 9 pm

Friday: 8 am to 5 pm

Saturday: 9 am to 5 pm

Sunday: closed.

In the December vacation

Monday, Wednesday-Friday: 9 am to 5 pm

Tuesday: 9 am to 9 pm

Saturday and Sunday: closed.

#### *Branch and department libraries*

Branch libraries, which are staffed by the Library, are located in the following faculties or departments: Faculty of Medicine (Faculty Library and Burkitt Library, the latter in Anatomy and Physiology); Faculty of Dentistry; Faculty of Engineering; Faculty of Economics (Wolstenholme Library); Faculty of Law; Faculty of Architecture; Departments of Mathematics, Physics, Geography, Education, Music and Geology. The Badham Library serves the Faculties of Agriculture and Veterinary Science and the School of Biological Sciences. The University Farms Library, Camden, also serves the Faculties of Veterinary Science and Agriculture.

In a number of other departments there are libraries forming part of the University of Sydney Library but supervised by department staff.

Hours of opening of branch and department libraries vary but all branches and virtually all department libraries open 9 am to 5 pm Monday to Friday with some branches opening, in addition, one or more evenings per week and over the weekends. Details are to be found in the appropriate faculty handbooks.

### Other libraries

Within the grounds there are several other libraries including:

CSIRO McMaster Animal Health Laboratory Library  
 Moore College Library of Theology  
 Gillespie Theological Library in St Andrew's College  
 Commonwealth Institute of Health  
 Sydney Institute of Education Library

In addition, each of the university colleges has its own library. It should be noted that Sancta Sophia College contains the important Lane Mullins collection of Australiana.

These libraries impose their own conditions for the use of their books and materials.

*Note:* For the Library regulations see the 'Additional Resolutions of the Senate', close to the end of the Statutes section of the Calendar.

## Museums

### Nicholson Museum

Housed in the elegant main quadrangle buildings, the only large-scale collection of Old World archaeological material in Australia had its beginning in the donation of the private collection of Sir Charles Nicholson in 1860. The objects, which come essentially from Greece, Italy, Cyprus, the Near East and Egypt, have been added to over the years and form the nucleus around which the Department of Archaeology has developed.

The Museum is open to the public, Monday to Friday (10 am–4.30 pm) and admission is free. Many schoolchildren, particularly high school students studying ancient history, utilise this most valuable resource of original artifacts in their studies, as do the students within the University. The present curator is Professor A. Cambitoglou who has been responsible for the reorganised presentation in the museum.

### Macleay Museum

The Macleay Museum began as the private collection of Alexander Macleay, an early Colonial Secretary, which was donated to the University in 1888 by his nephew Sir William Macleay. The collection was started in about 1780 and brought to Australia in 1826.

Groups of school students make regular use of the displays, which feature unique material such as rare and extinct Australian fauna, historical scientific instruments, artistically and culturally valuable anthropological items, and a collection of early photographic equipment and Australian photographs.

The museum has the oldest and most historic insect collection in Australia, containing more than half a million specimens. Objects of other interest include a mummy from Darnley Island, a Tasmanian Tiger, and the earliest extant bark paintings.

The Historic Photograph Collection is made up of 30 000 images, some of them from the 1850s. It includes many family albums dating between 1870 and 1950. Researchers may make an appointment to view the collection, and are encouraged to use it for publications and exhibitions.

Each year the staff of the Museum arrange special temporary exhibitions, which generate considerable community interest.

Open to the public from 8.30 am to 4.30 pm Tuesday to Friday and on weekends as advertised, the Museum is entered from the steps in Gosper Lane,

opposite the Pharmacy Building in Science Road. Admission is free.

The present Director is Dr Peter Stanbury from whom information may be sought concerning donations, loans or any other aspects of the museum.

### **Museum of Pathology**

The initial specimens for this museum were acquired when the Medical School was founded in 1883. In the Anderson Stuart Building a special room was allotted for what the University Calendar of 1889 designated 'The Museum of Normal and Morbid Anatomy'. Today the Museum of Pathology, as it is now called, occupies an important place in the Blackburn Building.

Under the late Professor Magarey the collection was reorganised and catalogued using an international system of classification.

The museum has about 1200 pathological specimens on permanent display together with a reserve of some 250 that are continually being prepared and held for examination and replacement purposes.

Several audiovisual units are available to students as teaching aids in the museum for undergraduate learning.

The Museum of Pathology, which is a postgraduate and undergraduate teaching facility for medical, dental and paramedical students, has many well-presented classical examples of conditions not now readily obtainable owing to modern advances in treatment.

The centenary year of the Medical School (1983) brought to light a great collection of valuable written and anecdotal data. This stimulated the need for a collection of instruments illustrating the progress of the technology related to medicine, and the museum in response collected considerable material to fill this gap. It now has some 200 instruments, at present in storage, for exhibition when cabinets become available.

The museum is not open to the public. The curator is Mr Graeme Morrison.

### **Raymond Bullock Veterinary Anatomy Museum**

The Raymond Bullock Veterinary Anatomy Museum is a working and reference museum containing skeletons and mounted specimens of domestic animals and a collection of skulls of a wide range of mammals. Located in the Veterinary Anatomy Department in the J. D. Stewart Building, the Veterinary Anatomy Museum is in four sections, all adjacent to the main Dissection Room.

The major display comprises dissected anatomical specimens in perspex containers, and also includes several excellent plastic corrosion specimens.

The audiovisual room contains audiovisual carells, a Selectamatic 35 mm slide display, drawings and many dissected specimens in perspex containers for purposes of individual student study.

Throughout the department there is displayed a large collection of skulls of many non-domestic species, which are of value to comparative anatomists. A recent addition is a collection of old veterinary surgical instruments restored to original condition. Essentially for teaching university students, the Museum is also open to the public on particular occasions.

The curator is Mr R. Bullock.

### **J. T. Wilson Museum of Human Anatomy**

The J. T. Wilson Museum of Human Anatomy was established early in 1890. The Museum contains over 600 specimens and forms an integral part of the undergraduate courses in medicine, dentistry and science. It is also used by postgraduate students but is not open to the public.

The curator is Mr K. C. Parsons.

### **J. L. Shellshear Museum of Comparative Anatomy and Physical Anthropology**

The J. L. Shellshear Museum was established in 1959. It consists of osteological specimens from European and Oceanic sources, and zoological specimens that include the H. L. Kesteven comparative collection. This museum is not open to the public.

### **Power Gallery of Contemporary Art**

The Power Gallery within the Power Institute of Fine Arts was established in 1967 in accordance with the bequest of John Wardell Power, to bring to the people of Australia 'the most recent contemporary art of the world' through the University of Sydney.

The collection at present comprises prints, drawings, sculptures, paintings, kinetics and tapestries. Some twenty countries are represented, including France, England, Japan, Hong Kong, Guatemala, Hungary, India, U.S.A., Brazil, Italy, Israel and Rumania. Donations of Australian works are included in the holdings. There are also over 300 oils, oil sketches and some 700 drawings by John Power.

A selection of works is displayed on the first floor of the Madsen Building. These may be seen from Monday to Saturday, 1.00-4.00 pm.

Periodic changes are made in the display. Temporary exhibitions drawn from outside sources are also shown, in rotation with the permanent collection, in the Power Gallery.

The curators are Ms Bernice Murphy and Mr Leon Paroissien.

### **Dental Alumni Society Museum**

This Museum within the Faculty of Dentistry is in the United Dental Hospital at 2 Chalmers Street, Sydney. It is an historical museum consisting of early dental instruments and equipment of a small nature and at the moment it is housed in cabinets outside the Fairfax Reading Dental Library. There are plans to display large equipment and photographs and documents describing dental science and practice of the past when additional accommodation becomes available. The museum display can be inspected at any time the Dental Hospital is open. Gifts of an historical dental nature are most welcome and will be acknowledged.

The curator is Mr S. Levine.

# University colleges

## Saint Andrew's College

Incorporated in 1870 in terms of an Act of Parliament, 31 Victoria, passed in 1867, in connection with the Presbyterian Church of New South Wales. The present Moderator of the Presbyterian Church in the State of New South Wales is Visitor. The Corporation consists of a principal, who must be a duly ordained Presbyterian minister, holding and prepared to subscribe (when called upon to do so) to the standards of the Presbyterian Church of New South Wales, and twelve councillors, of whom four, but not more, must be ordained ministers of the same church. These twelve councillors, with the Principal, form the council in which the government of the college is vested. Chapel services are not compulsory.

The aim of the college is to provide university students with varied life and responsible adult community, friendship, support and tutorial assistance under conditions conducive to their immediate professional and academic training as well as to their personal, emotional, moral and intellectual development. For this purpose the college has on its staff, in addition to the Principal, a vice-principal, senior tutor, dean, and a number of resident fellows, tutors, visiting academics and non-resident lecturers, all from particular university departments. Applications for residence should reach the Principal by 30 January each year, and for bursaries and scholarships by the end of February. Further particulars may be obtained from the Principal.

### Visitor

The Right Reverend, the Moderator of the Presbyterian Church in N.S.W.

### Principal

The Reverend Dr H. C. Cairns, MA *Oxf.* BD PhD *Edin.*

### Vice-Principal

J. R. Angel, OBE, PhD *A.N.U.* MA

### Councillors

The Reverend Dr H. C. Cairns, MA *Oxf.* BD PhD *Edin.*

D. I. Cassidy, QC, LL.M., Chairman of Council

The Reverend G. R. Fullerton, BA

I. R. L. Harper, BA LLB

S. F. Higgs, BEc

The Reverend Professor C. Miller, MA *Oxf.* BD *Edin.*

The Reverend J. Mullan, DipRE *M.C.D.* BA

A. D. M. Murray, BSc BE MBA

The Reverend D. Murray, BA

B. Neil, BE

H. D. Raffan, DLO *R.C.P.* & S. MB BS, FRACS

H. E. C. Taylor, MB BS

W. F. Webb, MB BS

### Secretary to Council

K. Rennie, FCA

### Fellows

J. R. Angel, OBE, PhD *A.N.U.* MA, Senior Lecturer in History, Hunter Baillie Fellow, Senior Fellow and Vice-Principal

L. Chipman, MA LLB *Melb.* DPhil *Oxf.* DipTertEd *N.E.*, Professor of Philosophy and Jurisprudence, College Fellow

R. I. Jack, MA *Glas.* PhD *Lond.*, FRHistS, College Fellow, Associate Professor in History, Acting Vice Principal, Archivist

P. Mulhearn, BSc BE PhD, Research Affiliate of the Ocean Sciences Institute, Wilson Fellow and Dean

S. M. Salsbury, AB *Occidental* AM PhD *Harv.*, Professor of Economic History, Dean of Faculty of Economics, Hunter Baillie Fellow

R. T. Stein, LLB *A.N.U.* LL.M. *Dal.* PhD, AMusA *A.M.E.B.*, Barrister-at-Law, Senior Lecturer in Law, Woodhouse Fellow and Librarian

### Tutorial programme

#### Economics

H. Harley, BEc LLB

#### Engineering

P. Mulhearn, BSc BE PhD

#### English

W. Christie, BA DPhil

#### Law

C. Grainger, BA LLB

#### Mathematics

P. Mulhearn, BSc BE PhD

#### Philosophy

L. Chipman, LLB MA *Melb.* DPhil *Oxf.*

#### Physics

P. Mulhearn, BSc BE PhD

#### Real Property

R. T. Stein, LLB *A.N.U.* LL.M. *Dal.* PhD AMusA *A.M.E.B.*

#### Veterinary Anatomy

R. Canfield, BVSc

#### Veterinary Clinical Studies (Senior Tutor)

W. L. Porges, BVSc PhD HDA

#### Veterinary Pathology

P. J. Canfield, BVSc PhD

### College Administration

#### Manager

Mr Roger Shellard

#### Maintenance Manager

Mr Tony Raven

**Secretary to the Principal**  
Ms Carmel Malcolm

**Conference Secretary**  
Miss Rachel Guest

**Administrative Assistant**  
Mrs Lyn Mott

**Accountants**  
Ernst and Whinney, C.A.

**Gillespie Divinity Library**  
*Chairman, Advisory Committee*  
Professor C. Miller, MA *Oxf.* BD *Edin.*

**Librarian**  
Mrs A. Prichard

**Board of Studies in Divinity: Harper House**  
Chairman: Associate Professor K. J. Cable, AM, MA  
*Camb. & Syd.*, FRAHS  
College Member: The Principal  
Secretary, School of Divinity: Mrs M. Duck

### **Scholarships and bursaries**

The distinction is made between bursaries for students with financial need, and scholarships awarded on academic merit (except the Andrew's Society Scholarships, which are to do with overall value of a student to the College.)

Bursaries are decided by the Academic Committee. The sum usually ranges from \$50–\$300. In certain cases a larger amount is given but it is assumed that a student does not come into college unless he has adequate finance, so bursaries are for sharpened need only (for instance, if an expected job falls through).

### **Entrance Scholarship**

1. A scholarship worth over \$1000 and won through a short written essay followed by an academic interview is awarded each year in the two weeks following the university entrance acceptances. Normally an HSC aggregate of over 450 is needed to qualify for this, and applications must be received very soon after the acceptances are published.

2. One or more scholarships worth one term's fees are awarded if the runner(s)-up is judged to be of sufficient merit in the academic interview.

### **Scholarships awarded in Lent term**

Scholarships ranging from over \$500 to \$50 encouragement scholarships, and usually numbering over 20, are awarded on the basis of the university examinations of the previous year and, for those who have just entered college, on HSC results. Students apply for these during the first month of term.

The Salisbury Scholarship of \$1000 is for the best academic results from first year students.

### **St Andrew's Scholarships**

On advice from the Academic Committee, the St Andrew's College Society awards three scholarships each valued at \$500 to students who either show great promise as collegemen or who have already shown their value to the college community, usually in both academic and social/sports spheres. One of these scholarships is normally awarded to the son of an old Andrewsman.

NOTE: The sums given in the scholarships are periodically adjusted upwards in order to retain their value in times of inflation.

### **Fellowships**

The College Fellowships normally reserved for the Senior Fellow and Vice-Principal are joined by three endowments through which senior academics reside in College.

First, the Hunter Baillie bequest gives the College Fellows in Biblical/Theological, English Language/Literature or Oriental/Polynesian fields; and second, the generosity of A. Thyne Reid brings in two memorial Fellowships commemorating two eminent University of Sydney academics: the late Professor of Greek, Professor Woodhouse, and the late Professor J. T. Wilson, who became Professor of Anatomy in the University of Cambridge after his years as Professor in Sydney.

Such bequests enrich St Andrew's College as a residential academic community and are an important way by which benefactors purposefully enhance the individual and corporate life of students, and of the College and University, for future generations.

### **College trusts**

Over twenty benefactions held in trust by the College Council release funds for educational purposes. These include: prizes in Law, Medicine, Engineering, Arts, Divinity and Debating; bursaries and scholarships for Collegemen as noted above; and funds for the College Chapel, for the College libraries and for students (normally resident) who are studying Divinity (normally for the Ministry of the Church).

### **Saint John's College**

Incorporated by Act of Parliament, 21 Victoria (Dec. 15, 1857), in connection with the Roman Catholic Church. In the terms of the Act the Visitor is the Roman Catholic Archbishop of Sydney. The Corporation consists of the Rector, who must be a duly approved priest, and of eighteen Fellows, of whom six must be duly approved priests and twelve laymen. These eighteen Fellows with the Rector form the Council, in which the government of the College is vested.

### **Visitor**

The Most Reverend Edward Bede Clancy, Archbishop of Sydney

### **Rector**

The Very Reverend Lester G. Cashen, BA PhC, Hon. MPS

### **Vice-Rector**

The Reverend Robert A. Stephens, MA

### **Fellows**

C. Abercrombie, MB BS  
N. J. Anderson, MArch DipTP, FRAIA AMTPi  
H. F. Benning, OBE KSG, MA DipEd  
M. B. Connors, BA LLB  
B. Donovan, BA LLM  
The Reverend J. Esler, SM, BA LLB  
The Reverend J. McMahon, MSC, BA BLitt *Oxf.*  
R. P. Meagher, QC, BA LLB  
W. T. Morck, BA LLB  
B. P. Morgan, MB BS, FRCS  
R. J. Mulhearn, MB BS, FRACP FRCP  
Most Reverend P. L. Murphy, DD *Urban Atheneum*,  
*Rome*

COLLEGES:  
SAINT ANDREW'S  
SAINT JOHN'S

The Honourable Mr Justice J. H. F. Nagle, AO, BA LLB

N. A. Packham, MB BS BDS, FRACS

K. Priddis, MB BS, FRCS FRACS

The Rt Reverend Mgr P. Simms, DCL *Urban Atheneum, Rome*

The Reverend R. A. Stephens, MA

The Reverend B. C. Yates

#### **Tutors**

##### *Senior Tutor*

C. J. Grainger, BA LLB

##### *Resident Tutors*

J. Bylhouwer, BEc—Economics

P. Cunich, BA N.E.—History

S. Hillery, BSc—Pharmacology

P. O'Connor, LLB Q.I.T.—Law

G. Russell, BSc—Chemistry

A. Weaver, BEd—Psychology

##### *Non-resident Tutor*

M. Windsor, BEc—Economics

#### **Resident students**

180 in all faculties

#### **Scholarships and bursaries**

##### **OPEN SCHOLARSHIPS**

(Open to resident students of any faculty and awarded for general proficiency in annual university examinations.)

##### *Dalley Scholarship*

Bequeathed in 1921 by Mrs M. A. Dalley, of Ashfield, in memory of her husband, Richard Bede Dalley.

##### *Dunne Scholarship*

Established in 1884 under the will of the Very Reverend W. J. Dunne, of Hobart, Tasmania.

##### *Lynch Scholarship*

Established from funds bequeathed by Monsignor John T. Lynch in 1885.

##### *McCarthy Scholarship*

Miss McCarthy, of Leinster Hall, Darlington, bequeathed the capital in 1918 in memory of her brother, Francis J. McCarthy, MA.

##### *O'Connell Scholarship*

Collected in New South Wales on the occasion of the O'Connell centenary celebrations, 1875.

##### *Marc Playoust Bequest*

This bequest was made under the will of Rev. Marc Playoust, SJ, who for ten years was a resident tutor at the college and who died in 1973.

##### **ENTRANCE SCHOLARSHIPS**

(Open to students becoming residents of the college and entering upon their first year in any faculty and awarded for previous scholastic proficiency.)

##### *Ellwood Scholarship*

The bequest was made in 1934 by Miss Eliza Ellwood in memory of her parents John and Margaret Ellwood.

##### *Freehill Scholarship*

Founded under the will of Francis Bede Freehill, MA, student and fellow of the college, who died in 1908.

##### **SPECIAL AWARDS**

##### *H. F. Benning Scholarship*

Founded in 1980. Awarded for collegiality with academic progress.

##### *Blacklock Scholarship*

For ex-pupils of Christian Brothers' College, Albury.

##### *Dalley Prize*

Founded under the will of Mrs M. A. Dalley in 1921 in memory of her son, John George Dalley. To be awarded annually for proficiency in any one subject of study other than a religious one.

##### *John D'Arcy Memorial Prize for English*

Founded in 1962

##### *G. P. Dwyer Exhibition*

A total bequest of George Patrick Dwyer who died in 1929.

##### *Garry Scholarship*

Founded from funds donated to the College by Mrs Garry, of Binalong, in memory of her husband, John Joseph Garry, a student of the college. Awarded to a resident student in the Faculty of Engineering. At the discretion of Council preference is given to a student from the Archdiocese of Canberra-Goulburn, if the said student is of sufficient academic merit.

##### *Thomas Keenan Bursaries*

Founded in 1925 under the will of Francis John Keenan, of Rose Bay, for the benefit of one or two, or two or more, students in the Faculties of Science or Engineering.

##### *James Murphy Bursaries*

Founded under the will of James Murphy, of Como, N.S.W., these bursaries are intended for the sons of Roman Catholic parents whose means are insufficient to enable them to study agricultural science at the University without financial assistance. Should such bursars come into residence at St John's College, the Trustee (Perpetual Trustee Co. Ltd) will pay all collegiate fees for the four years of the course to a limited number of students.

##### *Ryan Medical Prize*

Founded in 1962.

##### *Watson Medical Scholarship*

Founded under the will of Miss Ellen Maud Watson in 1938 in memory of Alexander Gunning and Ellen Maud Watson 'for the benefit of a student of medicine in St John's College'.

#### **Saint Michael's College**

St Michael's College is a men's residential college.

The college is the location of offices of the Newman Society attached to the Roman Catholic Church Chapel of the Resurrection.

#### **Rector-in-Charge of House**

Fr Kevin Muldoon

#### **Chaplains to the Roman Catholic Community of the University**

The Reverend P. Christie, PP, STL *Rome* BA DipEd  
Sister Robyn Johnson, RSM, BA DipEd MED  
MTheol

### Trustees

N. D. Martin, AM, MDS, FACD FAPHA FICD AIAOP

A. Millar, MB BS, MRACP

A. Reichel, MSc PhD DipEd

Further information is available from the Secretary, St Michael's College, 150 City Road, Darlington 2008 (P.O. Box 165, Chippendale 2008). Tel. 692 0382 Administration. The Chaplains can be contacted on tel. 513 197 (Rev. Christie) and tel. 660 1715 (Sr Johnson).

### Saint Paul's College

Incorporated by Act of Parliament, 18 Victoria (1 December 1854), in connection with the Church of England. In the terms of the Act the Visitor is the Archbishop of Sydney. The Corporation consists of a warden, who must be in priest's orders, and eighteen fellows, of whom six must be in priest's orders, and the remainder laymen. The fellows, with the Warden, form the Council in which the government of the college is vested.

### Visitor

The Lord Archbishop of Sydney

### Warden

The Rt Reverend M. M. Thomas, ThD *Gen. Theol. Semin.*, N. Y. MA BD

### Sub-Warden

Malcolm R. Harrison, MA

### Senior Tutor

Barry Spurr, MLitt *Oxf.*, BA

### Assistant Sub-Warden

Robertson Wright, LLB *Camb.* BA LLB

### Fellows

Sir Alexis Albert, CMG VRD, BEc

R. O. Albert, BA LLB

The Reverend J. G. Beer, MA, MACE

John D. Booth, BA LLB, MP

Associate Professor K. J. Cable, AM, MA *Camb. & Syd.*, FRAHS

The Reverend E. D. O. Crawford, BA ThL

J. F. Farrar, MB BS, FRACP

A. P. Henchman, MA BCL *Oxf.* BA LLB (Chairman)

The Reverend H. C. Hollis, MusBac *Melb.* ThL

The Reverend W. J. Jobling, MA PhD

His Honour Judge H. J. H. Henchman, QC, BA LLB

The Reverend Canon S. W. Kurrle, OBE, MA *Oxf.* BA DipEd *Melb.*, MACE

J. R. F. Lehané, BA LLM

R. M. McCredie, MD BS, MRCP MRCPed MRACP

C. V. Salisbury, BA BEc, FRCSEd FRCOG FRACS MMSA

F. E. Trigg, OBE, FCA AUA AAIS (Bursar)

L. D. S. Waddy, LLB

The Reverend R. A. W. Wotton, BA

### Bursar

F. E. Trigg, OBE, FCA AUA AAIS

### Accountants

Touche Ross & Co.

### Consulting Architect

M. Evans, BArch, ARIBA

### Executive Secretary

Colleen F. Olander

### Librarian

The Reverend Ronald Henderson, BA DipEd *Qld* BA *Oxf.* ThL A. C. T.

### Resident Tutors

#### Engineering

David B. McDonald, BE

#### English

Barry Spurr, MLitt *Oxf.* BA (Senior Tutor)

#### Law

Robertson Wright, LLB *Camb.* BA LLB

#### Physics

James Franklin, BSc A. N. U.

### Scholarships<sup>1</sup>

#### Non-theological Scholarships

These scholarships include the Edward Aspinall and the Kemp (both awarded to P. R. Stokes in 1986), the A. E. Starkey (awarded to A. S. Bell, 1986), the Canon Stephen (awarded to D. Brownie, 1986), the Grainger Foundation (awarded in 1986 to R. J. Clifton-Bligh, R. R. Cole, A. S. Bell and A. D. Hinds), the Stapley Edwards, the Dwyer, the Waddy Award, the Foundation, the Wallace Anderson, and the Francis Forbes Bundoock Memorial.

The Foundation Scholarship, created in 1983, provides the recipient with free board as a resident of St Paul's College for three years. It is awarded on the basis of academic excellence and success in non-academic activities.

The Wallace Anderson Scholarship was first awarded in 1984 and pays half of the College fees. It is awarded to the best applicant from The King's School entering St Paul's College.

The Francis Forbes Bundoock Memorial Scholarship will be awarded in 1987 to an entrant from The King's School.

#### Divinity Scholarships

Divinity scholarships include the Abbott (awarded to R. A. Lane, 1986), the Priddle, the Bundoock, the Caird, the Parnell (awarded to T. J. L. Parsons, 1986) and the Starling (awarded to I. J. McDonald, 1986).

#### Other Scholarships

Scholarships awarded by non-College authorities include the Burton Exhibition, awarded by The King's School, and the Dr John Osborne, awarded by the University of Sydney.

#### Prizes

Prizes include the Mitchell, Portus, Uther and Council prizes, the Asimus Medal for Oratory, and the Richard Druitt Prize for Medicine.

### College Library

#### STRANGFORD BOOKS

In 1885 the Right Reverend Alfred Barry, Lord Bishop of Sydney and Primate of Australia, made over to the College 300 books collected by Viscount Strangford, on the understanding that they should be accessible to all members of the University. The books are for the most part concerned with Philology and Comparative

### COLLEGES:

SAINT JOHN'S

SAINT MICHAEL'S

SAINT PAUL'S

<sup>1</sup> See the 1986 *Calendar* for details.

Grammar, and they include many rare works on European and Asiatic languages and dialects. Any member of the University who may wish to inspect these books is invited to apply to the Warden.

#### GEORGE EVANS MEMORIAL

A number of theological books and an endowment fund was given by Mrs E. E. MacLaurin towards the establishment of a theological library which should be available to non-resident students.

### Sancta Sophia College

(Roman Catholic College for undergraduate women and graduate men and women proceeding to a higher degree)

Incorporated by Act of Parliament, No. 45 of 1929, as amended in 1932 and 1969. In the terms of this Act, the Visitor is the Roman Catholic Archbishop of Sydney. The Corporation consists of a principal and not fewer than eighteen and not more than twenty councillors, of whom between three and five must be laymen, and nine laywomen. The Principal and councillors form the Council in which the government of the college is vested. The Council may appoint one or more vice-principals.

#### Visitor

The Most Reverend Edward Bede Clancy, AO, Archbishop of Sydney

#### Principal

Sister Mary Shanahan, MA

#### Vice-Principal

Sister Anne Corry, BA *Auck.* BTh *M.C.D.*

#### Councillors

Margaret A. C. Bermingham, MSc *N.U.I.* PhD *Lond.*  
Dora Bye, MB BS

The Hon. Mr Justice John Cahill, LLB

Professor Peter Anthony Castaldi, MD BS, FRACP  
FRCPA

Mary Collingridge, BA DipEd

The Very Reverend Henry Davis, PhD, LSS

Aline M. Fenwick, OBE, LLB *Adel.* (Chairman)

Patricia Horsley, BArch

Malcolm Irving, BCom, FASA

The Reverend Grove Johnson, DD PhL *Louvain*

Nanette Kelly, BSc MEd DipEd *Melb.*

Gwen Kennedy, MB BS

D. Owen A. Magee, BE *W.Aust.*, FIEAust FAIM

Carmel O'Brien, BSc DipEd

Joan Pasfield, MB BS, MANZCP

Sister Mary Shanahan, MA

John Sheldon, MA *Camb.* BA

The Reverend Jerome Watt, BA JCD

The Reverend Michael Whelan, MA PhD *Duquesne*

The Reverend William Wright, BA

#### Business Manager

John A. Chapman, OAM

#### Senior Tutor

Michelle Williams, BHortSc *Cant.*

#### Scholarships and bursaries

The Council awards annually a number of scholarships to college students with the best academic results the previous year, as assessed and determined by the university authorities. Five of the scholarships honour benefactors of the College—Lady Sheldon, Eileen

Lyons, John Toohey, Raneé Adams Flynn, Amelie Salmon and the sixth bears the name of the first principal, Margaret MacRory.

The Council offers a number of bursaries to college students who are in need of financial assistance. These must be reapplied for each year.

### Wesley College

Incorporated by Act of Parliament, 1910, in connection with the Methodist Church of Australasia, since 1977 Wesley has been a college of the Uniting Church in Australia. The Corporation consists of a master (who shall be a duly ordained minister of the said church) and twenty-three councillors, of whom seven shall be ordained ministers of the same church, and sixteen laymen, of whom twelve shall be members of the said church. These councillors with the Master form the Council, in which the government of the college is vested.

Until 1968 Wesley College admitted men students only. From 1969 it has admitted both men and women students. Tutorials are arranged in those subjects where students demonstrate need for such assistance. Further particulars may be obtained from the Master who arranges interviews.

#### Visitor

The Moderator of the N.S.W. Synod of the Uniting Church in Australia

#### Master

The Reverend Dr John W. Whitehead, BA BD *Melb.*  
PhD *Vanderbilt*

#### Vice-Master

Robin Frances, BA *Qld*

#### College Chaplain

The Reverend Andrew F. Dutney, BA PhD *St And.*

#### Bursar

Shirley Thomas

#### Secretary

Robyn Stuart

#### Councillors

Neville Anderson, MB BS DTM&H, FRACGP  
FRCPG

John C. Baker, BE (Hon. Secretary)

Cathy Bray, BA DipEd

Susan Budd, LLB

The Reverend Leonard W. Cliff, BA BD STM

The Reverend Dr Gordon S. Dicker, BA BD ThD

Linden Edwards, LLB

David J. Garrett, BA

The Reverend Roy M. E. Glover, BA LTh DipEd,  
ACA FCIS AASA

The Reverend Shirley E. Maddox, BSc DipEd

Ross A. Manwaring, LLB

James N. Pendlebury, MSc PhD DipEd

Donald Richmond, AAIB

John P. Rothwell, BPharm

The Reverend Warren K. Smith, MA DipTheol

Audrey Somerville, BA LTh

The Reverend Paul E. Swadling, BA LTh

Reginald L. Walker, MB BS, MRCP

The Reverend Dr Howard N. Wallace, BA BD ThD

Trevor D. Wilkins, MB BS

Donald Wyllie, BArch *N.S.W.* BA, ARAIA RIBA



## Scholarships

### *Joseph Bryant*

Principal, \$1600, \$100 per annum. Derived by transfers from the Captain Edward Dawson Bursary.

### *B. H. Chapman*

Principal, \$1350, \$60 per annum. Founded in April 1929 by the gift of the late B. H. Chapman, of 300 shares in General Industries Ltd. No special conditions.

### *George Patrick Dwyer Exhibition*

Principal, \$1500, \$50 per annum. \$2000 bequeathed by George Patrick Dwyer, who died on 17 July 1929. Any faculty.

### *Edwin and May Grainger*

Principal, \$30 000. Founded by the will of Edwin Grainger, dated 16 October 1928, the first moneys becoming available on the death of his widow in June 1937. The scholarships may be awarded to students in any faculty. The Council, in determining the award of scholarships, may have regard to the financial circumstances of the students, as well as their academic or examination record.

### *John Hunter*

Principal, \$2500, \$120 per annum. In memory of Professor John I. Hunter, who died in London in 1924. Created by the Council in 1936. No special conditions.

### *Walter Kippax No. 1*

Principal, \$2500, \$100 per annum. Founded by the Hon. W. Robson, MLC, for the Faculty of Law.

### *Walter Kippax No. 2*

Principal \$1000, \$60 per annum. Derived from transfers of surplus from Walter Kippax Scholarship and Reginald Robson Scholarship. Faculty of Law.

### *Hamilton Mott Scholarship*

Principal, \$2000, \$100 per annum. Founded by friends of the late Hamilton Mott, a former senior student of the college. Awarded for character, academic and sporting achievements. The scholarship shall be held once only by any student.

### *Newington College*

\$100 per annum. Founded by the Council. Tenable for three years. From Grainger Bequest Fund. Awarded for general merit, including academic attainment, success in sport, personal qualities and leadership.

### *Reginald N. Robson*

Principal, \$2500, \$100 per annum. Given in 1916 by the Hon. W. Robson, MLC, and family, for the foundation of a scholarship in memory of the Reverend Reginald N. Robson, BA LLB, for classics.

### *Sydney Grammar School*

\$100 per annum. Founded by the Council. Tenable for three years. From Grainger Bequest Fund. Awarded for general merit, including academic attainment, success in sport, personal qualities and leadership.

## Bursaries

### *Mr and Mrs F. Cull Bursaries*

Principal, \$38 000. Derived from gifts by Mr and Mrs F. Cull. Annual value of at least \$100 each.

### *Captain Edward Dawson*

Principal, \$2500, \$120 per annum. Given in 1916 by F.

Cull for the foundation of a scholarship in memory of Captain Edward Dawson, who was killed in action at Gallipoli. Faculty of Arts or Science.

## Loans

### *Robert Arthur Denning Memorial*

In memory of Dr Robert Arthur Denning, a student at Wesley College from 1957 to 1962, an amount of \$3000 was donated in 1966 by his parents to provide temporary loans to students, such loans to be made at the discretion of the Master. The objects and conditions of this endowment may be varied by the Council at any time with the approval of the donors.

## The Women's College

Incorporated by Act 53 Vict., No. 10, 1889, and not attached to any religious denomination. In the terms of the Act the Visitor is the Chancellor of the University, or in his absence the Deputy Chancellor. The Corporation consists of the Principal, twelve elected councillors, of whom at least four must be women, two *ex officio* councillors, nominated by the Senate of the University, the Principal, Vice-Principal, and a student resident of the College. The councillors, with the Principal, form the Council in which the government of the College is vested.

According to the present Act, the Women's College is a college within the University of Sydney and the main purposes of the Council are to provide, maintain and develop the college as a residence for such female students of the University as the Council may approve, and for related purposes; and to provide such assistance in the educational development of the residents of the college who are students of the University as the Council may decide.

In the present Act it is provided that no political or religious test shall be administered to any person to entitle that person to be admitted as or continue as a resident of the college, to hold any office related to the person's being a resident of the college or to enjoy any benefit, advantage or privilege related to the college.

## Visitor

The Chancellor of the University

## Principal

Val Street, BSc N. Y. State MSc Oregon, MACE

## Vice-Principal

Associate Professor Margaret Sabine, MSc *Melb.* PhD *Lond.*, Hon. FACVSc MASM

## Deputy Vice-Principal

Paul Wormell, BSc PhD

## Councillors

Marie Bashir, MB BS, FRANZCP (Chairman)  
Alan W. Coates, FAII (Honorary Treasurer)  
John Coombs, QC, LLB  
Jane Dix, BArch MBA (Honorary Secretary)  
Katherine E. Georgouras, MB BS, FACD DDM  
Gay McAuley, BA PhD *Brist.*  
Associate Professor Janet McCredie, MB BS, DMRD FRACR  
Margaret Mulvey, MB BS, FRCOG  
Elizabeth Nolan, BScAgr  
Tim Peken, BA LLB  
John S. Pigram, AASA (Snr) ACIS  
Hugh Ralston, BE (Vice-Chairman)  
Associate Professor Margaret Sabine, MSc *Melb.* PhD *Lond.*, Hon. FACVSc MASM

## COLLEGES:

SAINT PAUL'S  
SANCTA SOPHIA  
WESLEY  
WOMEN'S

Val Street, BSc *N.Y. State* MSc *Oregon*, MACE  
 (Principal)  
 Lucy Warren (Senior Student)  
 Stephanie Way, MB BS  
 Robyn Wines, MSc

**Manager**

Len Cupitt

**Accountant**

Wilma Forrest

**Secretary**

Robyn Kean

**Honorary Solicitor**

Timothy G. Peken, BA LLB

**Senior Resident Tutors**

The Reverend John Beer, MA, MACE  
 Shefali Rovik, BA

**Resident Tutors**

Paul Appleton (4th yr Med.)  
 Ashley Black, BA  
 Anna Davey, BA  
 David Hewish, BSc  
 Winsome Hum, BSc  
 Joanne Kennedy, BSc  
 Jeremy Kriewaldt, BA LLB  
 Ian Mawbey, BEd *R.C.A.E.*  
 Christopher Mitchell, BEc  
 Christopher Oxenford, BVSc  
 Gregory Roger, MB BS  
 Angela Snowball, MSc *Auck.*  
 Jane Spring, BEc

**Resident Librarian**

Ian Gordon

**Assistant Senior Residents**

Mark Heffernan, BEd  
 Penny Holt, BA  
 Maryanne Maher, BA *N.E.*

**Senior Student**

Lucy Warren

**Non-resident Tutors***Biometry*

M. O'Neill, BA PhD

*Chemistry*

A. MacIntyre, BPharm

*English*

G. Barnes, BA PhD *Lond.*  
 D. Velly, BA *N.S.W.* MA

*Japanese*

C. Hayes, BA

*Law*

V. E. McMahon, BEc LLB *N.S.W.*

*Physics*

D. Green, BSc *Qld*

*Public Law, Torts*

P. Stone, BA *Oxf.* LLB *A.N.U.* DipSocAdmin *L.S.E.*

Students enrolled as non-resident members of the college may attend tutorials.

**Scholarships**

The Women's College Foundation has been formed in the belief that talented young women, qualified to attend the University of Sydney, should have the opportunity of a College life at an affordable cost and regardless of their economic and geographic circumstances. The Foundation has funds for academic and needy students and 30 per cent of Women's College students receive assistance from it.

# Halls of residence

Mr Denis Cowdroy  
Mr Alex T. Dix  
Professor Hans C. Freeman  
Mr Ian G. Hudson, AM  
Ms Doreen M. Langley, MBE (Chairperson)  
Mr George B. Lean (Deputy Chairperson)  
Professor Michael G. Taylor  
Dr B. Voyagis  
Sir Harold Wyndham  
The Hon. D. M. Selby  
Mr Nicholas Stuart

COLLEGES:  
WOMEN'S  
HALLS OF RESIDENCE:  
INTERNATIONAL HOUSE  
NEPEAN HALL

## International House

International House is a hall of residence and programme centre within the university grounds.

The House opened in 1967 following a public appeal organised by the Rotary Clubs of Districts 268 and 275, and grants from the federal and N.S.W. state governments.

Three wings accommodate 185 men and women, half from overseas. Postgraduate and undergraduate students are accommodated. Overseas residents have come from over 60 different countries. There is a high demand for residential places. Accommodation is in well-furnished single study/bedrooms. Self-service schemes operate to keep fees at the lowest possible level. Full board and lodging costs \$72 per week in a shared room, \$100 per week in a single study/bedroom, and \$150 per week in a large single study/bedroom with private bathroom. The W. H. Maze Building provides self-contained apartments in Studio, one-bedroom and two-bedroom units. Rents commence at \$80 per week.

The house offers a wide range of facilities—cafeteria, T.V. and games room, a common room and music room, as well as an ongoing programme of social, cultural and academic activities—dances, film shows, talks, seminars.

Bursaries are offered to overseas and Australian undergraduate students and postgraduates who would be unable to live in the House without financial assistance. These are currently valued at \$30 per week as a deduction from full board and lodging fees.

Further information is available by writing to the Director, International House, 96 City Road, Chippendale, N.S.W. 2008, to whom application for membership should be made.

The Council of International House is appointed by the Senate and is responsible for policy.

### Director

Graeme E. de Graaff, MA *Melb.* BPhil *Oxf.*

### Deputy Director

Roger W. Wescombe, BA MEd

### Assistant Director

Julia Arnold, MB BS BSc (Med)

### Councillors

Dr G. C. T. Burfitt-Williams  
Dr Christiana Campbell

## Council members ex officio

The Chancellor  
The Vice-Chancellor and Principal, Professor J. M. Ward  
The Deputy Chancellor, Mrs Daphne Kok  
The Director of International House, Mr Graeme E. de Graaff  
The Deputy Director of International House, Mr Roger W. Wescombe  
The Chairperson, Members' Association, Mr Vishwanath Ramakrishnan  
The Secretary, Members' Association, Mr Peter Friend  
The Treasurer, Members' Association, Miss Julie Gilbert

## Scholarship

### Michael H. Rathgeber Scholarship

Details of the Michael H. Rathgeber Scholarship are given under University Bursaries in the *Sources of Financial Assistance to Students* section above in this part of the Calendar.

## Nepean Hall

Since 1959 the University has provided limited accommodation for students at the Camden Farms. During 1964 additional accommodation was completed, so that the whole of final year Veterinary Science could be accommodated for the entire year, as well as some students from the Department of Animal Husbandry and the Faculty of Agriculture.

In 1964 the Senate resolved that the accommodation for students at the Camden Farms be a Hall of Residence and be known as Nepean Hall. The management of the Hall is vested in a Council, consisting of:

- (a) The Vice-Chancellor, the Bursar and the Registrar, *ex officio*;
- (b) The Director of the University Farms (Camden);
- (c) The Warden of the Hall;
- (d) The Dean of the Faculty of Veterinary Science;
- (e) Dean of the Faculty of Agriculture;
- (f) One student elected annually by and from students in residence in Nepean Hall who are candidates for a degree or diploma in the Faculty of Agriculture;
- (g) One student elected annually by and from students in residence in Nepean Hall who are candidates for a degree or diploma in the Faculty of Veterinary Science;
- (h) Up to two persons appointed by the Senate on the recommendation of the Dean of the Faculty of Veterinary Science to hold office for three years from 1 January following their appointment.

WARDEN: James M. Gooden, BA *Sc Adel.* PhD

## W. A. Selle House

W. A. Selle House is the name given to a series of converted double-storeyed terrace houses immediately adjacent to the Mackie Building in Arundel Street, Forest Lodge. The House was named after a former Registrar, W. A. Selle, who held office from 1924 to 1946.

The concept of housing students in this way was modelled on similar accommodation in the Universities of Leeds and Edinburgh. Accommodation is provided for male and female students in study bedrooms. Separate house kitchens provide communal cooking facilities. Scholarship is encouraged in a friendly informal atmosphere, supporting a community sympathetic to the needs and life of the student. Residents stand to gain an appreciation of the many facets of university life and education, and an understanding of the problems students face in their quest for knowledge and academic fulfilment.

Management of the House is vested in a council consisting of: the Vice-Chancellor and Principal; the Bursar and the Warden (all ex officio); two members appointed annually by the Senate; and three residents (also elected on an annual basis).

WARDEN: Patricia Hewitson

# University organisations

## University of Sydney Union

The University of Sydney Union was formed in 1972 when Sydney University Union and Sydney University Women's Union amalgamated.

Sydney University Union, which was the oldest of university societies, had been founded in 1874 as a debating society and re-established on a wider basis by enactment of the Senate in 1911. In 1913 the Union building (now known as the Holme Building), providing club facilities for men members of the University, was constructed by the University out of funds largely provided by the Challis bequest. Later years saw a number of major developments and extensions to the building.

Sydney University Women's Union had been established in 1914, its beginning dating back to the early 1890s when the Sydney University Women's Association and later the Women's Undergraduate Association were formed. Manning House, named in honour of Sir William Manning, Chancellor of the University from 1878 to 1895, who had instigated the legislation admitting women to the University with privileges equal to those enjoyed by men, was opened in 1917. Further extensions were made in 1940 and 1963.

In 1968 the Boards of Directors of the then two Unions recognised that the Union and the Women's Union observed virtually no segregation in their services. They believed that the separate administration of both Unions, then being made more complex by the size of their joint obligations, was no longer the most suitable way of serving the interests of members and resolved that amalgamation of the two Unions was desirable. This culminated in the amalgamation of the two bodies on 1 January 1972.

The University of Sydney Union is now constituted to provide a common meeting ground for members of the University and among other things to provide dining and refreshment services and amenities, social, cultural and recreational facilities and generally to promote the intellectual, cultural and social development of members within the University.

The formation of the new Union coincided with the completion of the Wentworth Building, the first stage of a large union complex in City Road.

All three major buildings, the Wentworth Building, the Holme Building in Science Road and Manning House in Manning Road, have extensive dining, games and common rooms and provide a common meeting ground for members. The numerous services

and facilities, including banks, shops, hairdressers, travel agencies, pharmacies, dentist, optometrist, etc., make it largely unnecessary for members to leave the University for their needs, whilst the Footbridge Theatre provides for their entertainment.

The Union has established a Child Care Centre within the grounds, and in early 1981 opened Laurel Tree House for infant care on the nearby Glebe Estate. These facilities are now managed by the Kindergarten Union of N.S.W. Outside common rooms and refreshment services are maintained at the Law School, the Dental Hospital, the teaching hospitals and the University Farms.

The *Union Recorder*, containing news, features and reviews, is published fortnightly each term, and the *Daily Bull*, a programme of events, is distributed daily. A community radio station, Radio 2RSR, broadcasts from the Union's FM radio studio in the Wentworth Building, and is open to student participation through use of the Union's air time.

The Union is a self-governing body, the control being vested in a Board of thirteen directors. Two of these are appointed by the Senate, eleven are elected by the members, and the President is elected by the Board.

#### **Compulsory subscriptions**

Membership of the Union is compulsory for all students. In 1987 there is an entrance fee of \$48 payable on first enrolment, and an annual subscription of \$120. An 'ordinary' member who has paid an entrance fee and five annual subscriptions is exempt from further payments. For 'graduates of other institutions', see the University of Sydney Union Constitution—Clause 7(c), and Regulations—section 15, covering life membership and exemption from fees.

#### **Board of Directors 1986–87**

##### *Elected Directors*

Gordon Fell, BSc(Honours) (*President*)

Bruce Meagher (*Vice-President*)

Anna Donald (*Honorary Treasurer*)

Belinda Luscombe, BA(Honours) (*Honorary Secretary*)

Mark Drury

Elizabeth Hovey

Elizabeth Nield

Gregory Sirtes

Lani Sutherland, BA

Mathew Wade

##### *Directors appointed by the Senate (for 1986–87)*

Associate Professor Margaret Sabine, MSc *Melb.*

PhD *Lond.*, Hon.FACVSc MASM

Maxwell C. Schroder, MA *N.E.*, FAIM

##### *General Manager*

Marian Diesner, DipEnvStud *Macq.* BSc MSc(Arch), AFAIM

#### **Students' Representative Council**

The Students' Representative Council (SRC) consists of representatives of the undergraduates of the University, officers, and several *ex-officio* members.

The President and Representatives are elected in Trinity term each year. At its first meeting after taking office on 1 September, the new Council elects the Executive and officers.

A compulsory SRC fee of \$27 is levied on each student annually. All undergraduates, together with students enrolled for the Diploma of Education, sub-

scribe to the SRC, and the fee includes membership of the relevant faculty society and the subscription to the SRC's publication *Honi Soit*, the student newspaper.

The President is the chief executive officer of the Council, which meets at least once a month during term. All meetings are open. Any student may participate in the policy-making of the SRC through its various open committees. The Council may refer important questions to general meetings of the student body. A general meeting may also be called by petition to the President.

The SRC has two main functions: it represents students, both individually and collectively, to the University and other authorities; and it provides services.

In the representative function of the SRC, its officers assist individual students in approaching the University with problems, prepare submissions, and meet regularly with University administrators to put the student point of view. Recent concerns of the SRC have included student allowances, university teaching standards, student participation in university government, assessment, curriculum and the overseas students' charge. The SRC also assists in organising the orientation period for new students and publishes the Orientation Handbook and Counter Course Handbook during that period.

In its direct welfare role, the SRC provides a free legal aid service, staffed by a solicitor, and employs a welfare/research officer, who as well as doing research work for the SRC advises and counsels students seeking assistance. The SRC runs both a Bursary and Assistance Fund to provide financial assistance for needy students, and a Text Book Loan Scheme, introduced in 1986 to provide financial help with purchasing textbooks. It also runs a secondhand book exchange, located on Level 5 of the Wentworth Building.

The SRC Offices are on Level 1 of the Wentworth Building. Telephone 660 5051.

#### **Office bearers 1986–87**

##### *President*

Joe Hockey

##### *Co-Vice Presidents*

Michael Frater

Anthony Mobbs

Jon O'Dea

##### *Honorary Secretary/Treasurer*

Fiona Kelso

##### **Portfolio Officers**

##### *Co-Aboriginal Affairs Officers*

Paul Cordwell

William Baker

Michael Mitchell

##### *Co-Activities Officers*

Ruth Kenrick

David Lamond

James Milson

John Perkins

Tanya Willey

##### *Co-Childcare Officers*

Therese Biazannes

Rachel Loos

##### *Co-Directors of Student Publications*

Andrew Bell

Anthea Forcett

#### **HALLS OF RESIDENCE:**

SELLE HOUSE

#### **ORGANISATIONS:**

UNION

SRC

*Education Officer*  
Alistair McGibbon

*Co-Environment Officers*  
Robyn Frost  
Susan Hutchinson  
Peter Lewis  
David Vincent  
Elizabeth Youman

*Co-Ethnic Affairs Officers*  
Tiam Fam<sup>1</sup>  
Wai Fong  
Hwang Lucy Yu Jen  
James Milson

*Inter-Campus Liaison Officer*  
Kiri Evans

*Co-Overseas Students' Officer*  
Chun Yen Lee  
Jeffrey Tan  
Yong Sze Hooi

*Co-Welfare Officers*  
Tian Chang Chua  
Paul Cordwell

*Co-Women's Officers*  
Joanna Doyle  
Emma Koorey  
Rachel Loos  
Tanya Willey

*Convenor, Sexual Harassment Committee*  
Cynthia Bluett

*Chairperson, Standing Legal Committee*  
David Parry

*Co-Orientation Week Convenor 1987*  
Michael Gleeson  
Jane Marquard

*Co-Editors Orientation Handbook 1987*  
Fiona Gray  
Jeremy Venkataramiah  
Brendan Wong

*Honi Soit Editors 1987*  
New Daily Planet  
Jeremy Venkataramiah  
Fiona Gray  
Brendan Wong  
Samatha Gazal

*Student Senators*  
Devleena Berwick  
Alan Cass  
Stephen Yen

**Permanent staff**  
*SRC General Secretary*  
Pamela Smith

*Welfare/Research Officer*  
Peter Cardwell, BA

*Minutes Secretary*  
Julie Sandover

*Secondhand Bookshop Manager*  
Barbara Cleary

*Typesetters*  
Lisa Trahair  
Roberta Blake

## Sydney University Postgraduate Representative Association

The Sydney University Postgraduate Representative Association (SUPRA) represents the interests of all full- and part-time higher degree and diploma candidates (with the exception of DipEd candidates) at the University. It does this on a number of fronts:

1. It seeks to draw postgraduates together in order to present a coherent and representative position using its departmental representative system.
2. It ensures the representation of postgraduate views within the University:
  - (a) by direct representation on University governing bodies, for example, the Senate and the Academic Board;
  - (b) by meeting with members of Senate on the Senate / SUPRA Liaison Committee;
  - (c) by regular consultation with the Vice-Chancellor and representation on university committees and other bodies;
  - (d) by regular liaison with academic and non-academic associations within the University.

At the national level, SUPRA is a founding member of the Council of Australian Postgraduate Associations (CAPA). CAPA represents postgraduate concerns nationally, with submissions to and lobbying of federal government, with submissions to and representations at the Academic Salaries Tribunal, and by liaising with FAUSA, ATF, FCA and other national education federations and unions. SUPRA has regular contact with the Department of Education on matters relating to postgraduate affairs.

The Council, which is the governing body of the Association, is elected annually from all members at the Lent term annual general meeting. Council meetings are held monthly and are open to all interested postgraduates. Weekly meetings of the Council's executive members are held in the SUPRA office.

SUPRA produces a monthly newssheet, which is circulated to all departments, and a regular newsletter. The Association's current publications—*Practical Aspects of Producing a Thesis*, *How to Write a Thesis* and the *Postgraduate Resources Handbook*—are available to all postgraduates from the SUPRA office. In addition, the Association provides a subsidised thesis-quality photocopying service, a regularly reviewed list of experienced thesis typists, word processor operators and thesis binders, and a variety of practical services of value to its members.

Through its internal committees, SUPRA is active in safeguarding the interests of postgraduates on such issues as occupational health and safety, part-time teaching, and child-care. Particularly through its liaison with CAPA, SUPRA is concerned with improving the status, finances and working conditions of all postgraduates.

Membership is compulsory for all higher degree and postgraduate diploma candidates except those who are members of the university staff. The fee for 1987 is \$33.

SUPRA employs two full-time researcher/organisers and a full-time office manager, who maintain an office that is open from 9 am to 1 pm and from 2 to 5 pm Monday to Friday, at 102 Darlington Road

<sup>1</sup> Italics specifies surname.

(behind the Institute Building. Internal mail should be addressed to SUPRA, H28). The telephone number is 692 3715, and all enquiries and visitors are welcome.

**Office-bearers 1986–87** (elections are held in Lent term)

**Executive**

*President*

David Burchell (History A17)

*Vice-President*

Gail Reekie (History A17)

*Secretary*

Robert Wooding (History A17)

*Assistant Secretary*

Tony Ryan (Computer Science F09)

*Treasurer*

Nerida Smith (Pharmacology D06)

*Assistant Treasurer*

Benjamin Thorn (Italian A18)

*Newsletter Editor*

Gerry Turcotte (English A20)

**Council**

Dick Audley (History A17)

Lucy Davey (Semitic Studies A14)

Tom Garrett (Inorganic Chemistry F11)

Devleena Ghosa-Berwick (History A17)

Peter Grave (Archaeology A14)

Branko Kulevski (Education F09)

Sylvia McCosker (English A20)

Alex Murphy (Linguistics A19)

Kathryn Welsh (History A17)

**Staff**

*Researcher/Organisers*

Meredith Foley

Kerri Watson

*Office Manager*

Margaret Walker

**Sydney University Sports Union**

The Sports Union controls over thirty affiliated clubs, namely, Amateur Rugby League, Athletics, Australian National Football, Badminton, Baseball, Basketball, Boat, Boxing, Bushwalking, Canoeing, Cricket, Fencing, Football (Rugby Union), Golf, Gymnastics, Hockey, Judo, Lawn Tennis, Mountaineering, Gridiron, Oyama Karate, Rifle, Sailboarding, Sailing, Ski, Soccer, Speleological Society, Squash, Surf Riding, Table Tennis, Tae Kwon Do, Underwater, Volleyball, Water Polo, and Weight Lifting and Power Lifting.

Every undergraduate male student becomes a member of the Sports Union by paying the prescribed fee at the commencement of the academic year.

Each Club and the SRC elect two delegates, who, together with the office bearers listed below, comprise the General Committee, which is the governing body of the Sports Union. The Management Committee, which meets more frequently, is responsible to the General Committee for the management and proper control of all Sports Union affairs and finances. The Buildings and Grounds Committee is responsible for

all matters of policy concerning the grounds, playing fields, and facilities under the control of the Sports Union.

Facilities available to members of the Sports Union include two University Ovals, eight grass tennis courts, two synthetic grass tennis courts, an outdoor basketball/netball court, nine squash courts, a rifle clubhouse at Long Bay Rifle Range, a ski hut at Thredbo, a sports hall, gymnasium and martial arts area, a rowing shed at Linley Point, Lane Cove, a 50 metre heated, enclosed swimming pool, circuit training room, a free weights room at the H. K. Ward Gymnasium, a sports store and licensed club rooms in the Bruce Williams Pavilion at No. 1 University Oval.

Individual sporting performances of an outstanding nature are recognised by the Blues Committee of the Sports Union by the award of a Blue for the sport concerned. A prerequisite for the award of a Blue is participation in an Inter-Varsity contest. These contests are conducted each year in the various University cities.

Interfaculty competitions are conducted in twenty sports. Staff Sporting Competitions are held in the May, August and Christmas vacations in Volleyball and Softball.

Members of the Sports Union are eligible without further subscription to join any affiliated Club, and are regarded as members of such Club by participating in its activities. The subscription to the Sports Union in 1987 is \$67.00.

For further information the Secretary should be contacted.

**Office-bearers**

*Patron*

The Chancellor, Sir Hermann Black, Hon.DLitt  
*N'cle N.S.W.* MEC, FCIS

*President*

John P. Kean, BEc

*Vice-Presidents*

T. Dixon, BEc LLB

A. Gidley-Baird, BSc *A.N.U.* PhD

A. Wagstaff, BA

*Chairman of the Buildings and Grounds Committee*

John Spence, BA LLB

*Senate Representatives*

Associate Professor D. F. Branagan

D. J. H. Cockayne, MSc *Melb.* DPhil *Oxf.*

Professor Noel D. Martin, AM, MDS, FACD

FRACDS FICD FAPHA AIAOP

*Honorary Treasurer*

A. Mulveney, BEc

*Student members of the Management Committee*

G. Lovell

P. Rodgers

A. Shirato

C. Taylor

K. Tuffley

*Secretary*

Roy Pearson

**Sydney University Women's Sports Association**

The Sydney University Women's Sports Association was formed in 1910 to encourage, develop and govern

**ORGANISATIONS:**

SRC

SUPRA

SPORTS UNION

WOMEN'S SPORTS

amateur sport and physical recreation for women within the University. It provides and maintains grounds, playing fields, sporting equipment and other facilities for women's sport and allocates funds to cover the running expenses of its Constituent Clubs.

Membership of the Association is compulsory for all women students, the annual subscription in 1987 being \$67.00.

All members are entitled to join any affiliated Club of the Association without further subscription. These Clubs are: Athletics, Badminton, Basketball, Boardsailing, Canoeing, Cricket, Fencing, Hockey, Judo, Netball, Rockclimbing, Rowing, Sailing, Ski, Soccer, Squash Racquets, Swimming, Tennis, Underwater, Volleyball and Water Polo.

Physical recreation classes are arranged each term and as far as possible are offered at beginners' and advanced levels. The cost of employing instructors for these classes is subsidised so that members are able to attend one class per week for about \$15.00 per term. Classes include Archery, Fencing, Gymnastics, Classical Ballet, Jazz Ballet, Keep Fit, Self-defence, Squash, Tai Chi, Tennis and Yoga. Details of the programme are contained in a special brochure available at the Sports Association Office at the Sports Centre. Fees must be paid on enrolment for the classes and a student card or membership card must be presented.

The Association is governed by the General Committee which comprises the Office-bearers listed below, together with six elected representatives and two representatives appointed by each Club. The Management Committee, which meets more frequently, is responsible to the General Committee for the management and proper control of all Sports Association affairs and finance.

Individual sporting performances of an outstanding nature are recognised by the Blues Committee of the Sports Association by the award of a Blue for the sport concerned. A prerequisite for the award of a Blue is participation in an Inter-Varsity contest. These contests are held annually in the various University cities.

Intramural competitions are conducted each year in most sports.

The facilities available to the members of the Sports Association include a sports field, three all-weather tennis courts, an indoor sports centre containing squash courts, gymnasium, and table tennis room, and a ski lodge at Thredbo.

#### **Office-bearers 1986-87**

##### *President*

Cecilia Wilson, BEd BEc

##### *Vice-President*

Nicola Cornwell

##### *Executive Member*

Sue Clarke

##### *Honorary Treasurer*

Kim Harper

##### *Senate Representatives*

Isabel Parsons, BA LLB

Sue Pratt, BA DipEd

##### *Elected Representatives*

Lisa Bacigalupo, BEc

Jodie Hamilton, BEd

Jacqueline Kelly

Sonja Lilienthal

Sarah Verne

One unfilled

##### *Director*

Patricia Sharp, DipACPE Aust. Coll. Phys. Ed.

#### **Chancellor's Committee**

The Chancellor's Committee is a voluntary body raising funds for projects of university-wide significance for which finance is unavailable from other sources of university income. It offers for Senate approval a wide variety of projects, which it undertakes to finance. Through various social, musical, educational, commercial and servicing activities the Committee has raised more than \$200 000 to date.

It has financed, for example, several carillon scholarships, curtains and lecterns for the Great Hall, cloister lighting, carpeting for the Macleay Museum, pianos for students at Camden Farms and in the Clavier Room, the reactivation of the Anderson fountain and the furnishing of a staff room at Camden . . . to name but a few, with more in train.

The support of all staff and students of the University, and of their friends and relatives, is invited. New members who are prepared to give of their time in active personal support are always welcome.

Enquiries may be directed to the Executive of the Chancellor's Committee, care of the University of Sydney, N.S.W. 2006.

Donations to the Chancellor's Committee, which are tax-deductible, may be sent to the treasurer of the committee at the University. Cheques should be made payable to the University of Sydney (Chancellor's Committee).

#### **Executive 1986-87**

##### *Patron*

Sir Hermann Black, AC

##### *Chairman*

Dr L. C. D. Kemp, AM

##### *Deputy Chairmen*

Mr H. F. Benning, OBE

Mrs K. O'Neil

Emeritus Professor W. M. O'Neil, AO

Mr N. H. Petersen

##### *Honorary Secretary*

Miss S. J. Atkinson

##### *Honorary Assistant Secretaries*

Miss J. M. McKay

Mrs J. H. Storie

##### *Honorary Treasurer*

Mr M. L. Bannigan

#### **Australian Federation of University Women—N.S.W.**

*(Formerly the N.S.W. Association of University Women Graduates)*

The N.S.W. association exists (1) to co-operate through the Australian Federation of University Women, with the International Federation of University Women which exists for the promotion of understanding and friendship between the university women of the nations of the world, irrespective of their race, religion, or political opinions, and (2) to further such interests as university women in N.S.W.



have in common and to encourage women graduates to take an active interest in the universities in N.S.W. All women who have graduated or who are qualified to graduate from approved universities are eligible for membership.

The annual subscription is \$25.00 and the financial year begins on 1 July.

The Association has an office at Room 919 Challis House, Martin Place, Sydney (tel. 232 5629). Hours are 10.30 am—12.30 pm Monday to Friday. Further information may also be obtained from the Honorary Secretary, Mrs P. Barraclough (tel. 948 8237).

#### **Office bearers 1986–87**

##### **President**

M. Kane, BCom N.S.W., MBA N'cle (N.S.W.)

##### **Vice-President**

N. Blyth, BSc PhD

##### **Honorary Secretary**

P. Barraclough, BA

##### **Honorary Treasurer**

N. E. Cottam, BA DipEd

### **Sydney University Settlement**

The Sydney University Settlement was founded in 1891. It is a neighbourhood centre with its headquarters in a large hall and several adjoining terraces in Edward Street, Chippendale. The Settlement provides a range of services to the Chippendale community. These include holiday and after-school care programmes for children, a drop-in information and referral service, a low cost accommodation housing project, and a variety of community arts activities, such as community dances, film nights, disco nights and an annual street festival. Visits and outings to places of interest are organised and during school holidays an 'Adventure Playground' and craft workshops are supervised for the local children. The Settlement is also open three nights a week as a drop-in centre for local teenagers.

The Settlement is managed by an annually elected executive committee, made up mostly of local residents and volunteers.

It is supported by university people, members of the staff, graduates and a number of their friends. Local residents are actively involved in the planning of Settlement activities.

The operations of the Settlement are financed by grants from local, state and federal governments, statutory and voluntary organisations and trusts, and subscriptions and donations.

The staff includes two full-time and two part-time community workers and a part-time secretary. They are always in need of voluntary workers including undergraduates.

The Settlement is also actively involved in community development within the South Sydney area in addition to its numerous community centre activities in Chippendale.

The address of the Sydney University Settlement is 17 Edward Street, Chippendale 2008, telephone 698 3087. Contact may be made in the first instance with Judith French, secretary.

#### **Office-bearers**

##### **Patron**

The Chancellor, Sir Hermann Black, HonDLitt N'cle MEc, FCIS

#### **Honorary Life Presidents**

H. F. Benning, OBE, MA DipEd

Mrs Roma Dulhunty

Mrs Bertha Lazarus

Lady Roma Williams

#### **President and Executive Committee Chairperson**

Jane Lanyon

#### **Honorary Secretary**

Jill Finch

#### **Honorary Treasurer**

Jim Young

#### **Executive Members**

Gary Bedot, Linda Burnie, Lorna Callahan, Hazel Carey, Jenny Munro, Ron Munro, Fred Turvey

#### **Community Workers**

Judith French, Graham Mooney, Ric Norton

### **Sydney University Regiment**

Founded in 1900 by members of the teaching staff of the University, the Sydney University Regiment is today organised along the lines of an infantry battalion with the aim of providing military training for undergraduates including officer training for selected members. It is one of the oldest units of the Australian Army.

The Regiment comprises:

- (a) Regimental Headquarters (including the Intelligence Section).
- (b) Headquarters Company, which includes a Medical Platoon, the Pipes and Drums Band, the Quartermaster's Platoon, a Transport Platoon, a Signals Platoon, a Mortar Platoon and an Assault Pioneer Platoon.
- (c) Two Rifle Companies (in Sydney).
- (d) A Training Company, in which potential NCOs and officers are trained.
- (e) New England University Company with members drawn from the University of New England, Armidale.
- (f) Australian National University Company with members drawn from the Australian National University, Canberra.

Sydney elements of the Regiment are located in City Road, opposite Carillon Avenue. All students are welcome to call and inspect the depot, or make enquiries of the cadre staff.

The training obligation for members consists of a three-week annual camp during January in the summer vacation, plus a number of weekend activities and monthly Wednesday night training parades. All training is programmed to give members maximum time to devote to their tertiary studies. Pay is available for activities; clothing and equipment issues are free. A fourteen day camp is held during the December vacation, where courses are run for specialists such as drivers, mortarmen, signallers, intelligence, cooks and clerks. Junior Leader courses for promotion qualifications are also held in the December vacation. In addition the Regiment runs courses in the May and August vacations. Courses at Army Schools are open to members of the Regiment and many have attended to date.

Members are paid for all training carried out. Rates vary from \$25.90 a day for a recruit to \$72.80 a day for a major. Members are paid in cash at the conclusion of each camp and by cheque quarterly.

ORGANISATIONS:  
WOMEN'S SPORTS  
CHANCELLOR'S COMMITTEE  
WOMEN'S FEDERATION  
SETTLEMENT  
REGIMENT

The Regiment is open to women as well as men and they are employed in intelligence, signals, transport, clerical, catering and pay tasks. Women may qualify for commissioning in SUR.

All officers and non-commissioned officers wear distinctive black and red badges of rank indicating the Regiment's affiliation with the Royal Green Jackets Regiment of the British Army.

For further information call into the depot or phone on either 519 6716 or 519 6718.

#### **Key appointments**

##### *Commanding Officer*

Lieutenant Colonel M. J. Neil, RFD QC

##### *Second-in-Command*

Major R. F. Verco

##### *Adjutant (ARA)*

Captain M. J. Moon

##### *Quartermaster (ARA)*

Captain B. D. Ruttle

##### *Regimental Sergeant Major (ARA)*

Warrant Officer Class One J. Woods, DCM

### **Association of Women Employees of the University of Sydney**

AWEUS is an organisation formed in 1980 of all women on the University staff. An annually elected executive meets regularly to discuss matters concerning the improvement of the status of women on campus, such as equal employment opportunity and the improvement of conditions, including child care facilities. AWEUS gathers information on cases of discrimination or sexual harassment, and liaises directly with the University Senate by means of a Senate/Liaison committee which meets once a term. AWEUS organises occasional meetings on matters of concern to women.

All women, in full or part-time employment at the University of Sydney, are eligible to attend AWEUS meetings.

## **Academic centres**

### **Centre for Continuing Education**

The Centre was established in 1984 to continue and develop the work carried on since 1964 by the Department of Adult Education and by its predecessors. The Centre's aim is to provide continuing education, defined as 'any form of education, whether vocational or general (but not including programmes leading to a degree or diploma), that is undertaken after an interval following the end of initial continuous education.'

Some of the Centre's activities are offered to the general public, others are directed to special groups.

#### **Continuing Education Programme**

This is the name under which all coursework organised by the Centre is conducted. Courses may be organised by the Centre alone or in conjunction with other departments or faculties. The range of courses varies from those designed for the general public requiring no specific educational qualifications to those designed for graduate and professional groups.

Two main programmes are offered each year: one in autumn, commencing in March and the other in Spring, beginning in September. Courses vary in length from 9 meetings (one term) through 18 meetings (two terms) to one-year courses with 27 meetings. The programme also includes a variety of activities other than courses, such as field excursions, weekend seminars, residential and non-residential schools and public lectures.

The programme includes a series of courses designed to provide non-matriculated students with a qualification to compete for a Special Admission place at the University of Sydney.

Fees are charged for most courses offered and these vary according to the length of the course and the resources involved. Details of the main programmes are published in the Sydney press in January and August and detailed information on these and all other activities is available in brochure form from the Centre.

#### **Discussion Group Scheme**

The Centre offers discussion courses for the use of people who wish to undertake directed group study. Groups generally meet in members' homes and sets of printed lecture notes are sent to the group secretaries. The Library of New South Wales supplies to the groups a specially selected collection of books. A corresponding tutor is appointed to advise each group.

and written reports of meetings are sent to the tutor for comment and advice. Arrangements may be made for the tutor to visit a group during the course.

Over 200 groups are currently engaged in courses, about a third of them in country areas. Between them they complete around four hundred courses each year, selecting them from a catalogue of some 150 courses. The courses vary between six and twelve units. An individual member of a group is charged a fee computed according to the number of units taken and there is also a registration fee for each group. Enquiries should be directed to the Secretary of Discussion Groups at the Centre for Continuing Education.

#### **Current Affairs Bulletin**

As one of its contributions to general adult education the Centre publishes *Current Affairs Bulletin*, a monthly 32-page journal comprising articles giving an in-depth treatment of topical issues in Australia and overseas. The cost of a year's mail subscription is \$24 with reduced rates for additional copies. Subscriptions should be sent to the Secretary, *Current Affairs Bulletin*, Centre for Continuing Education.

#### **Educational radio broadcasting**

Four fifteen-minute educational radio programmes are produced by the Centre each week and are broadcast in Sydney on the educational station 2SER-FM. Copies of selected programmes are also made available to other educational radio stations in New South Wales and in other states.

### **Centre for Human Aspects of Science and Technology**

CHAST received its constitution from the University of Sydney and was established in 1985. Its objectives are to pursue the study both of the human consequences of advances in science and technology and of the history and philosophy of science. The emphasis in its study programmes is on interdisciplinary and global aspects of scientific and technological change with an orientation towards the community at large and to the future.

The Centre aims to disseminate the results of its studies within the academic community and to the wider community by means of publications, colloquia, seminars, conferences and media presentations. It is empowered to provide assistance as any faculty may request in the organisation of undergraduate and honours courses, and to do all other such matters as are conducive to the attainment of its objectives.

Apart from its lecture, seminar and conference programme, the Centre encourages the formation of cross-disciplinary fora related to specific problem areas. These communities of scholars meet regularly to pool different insights in search of common understanding. At present there are three fora; the number will grow as the Centre grows.

Ordinary membership of the Centre is open to any member or retired member of the academic staff of the University of Sydney. There are also categories of Honorary membership, Student membership and Associate membership.

The Director of the Centre is appointed by the Dean of the Faculty of Science on the recommendation of the Standing Committee of the Faculty of Science. The other Officers and Council members are elected at the Annual General Meeting.

### **Graduate School of Management and Public Policy**

The Graduate School of Management and Public Policy lies outside the faculty structure of the University and reports directly to the Committee for Graduate Studies and the Academic Board. This arrangement is indicative of the University's commitment to education in the areas of management and public policy and to a new attitude to the way in which that education should be organised. It allows the School to draw on the expertise and skills of other faculties without being shackled by their degree requirements and specialist interests. More importantly, it will allow the University to introduce new forms of funding, exchange arrangements, teaching methods and so on, without committing other parts of the University.

At present the School is housed within the Merewether Building of the Faculty of Economics. A major fundraising appeal is being undertaken to enable the Graduate School to have its own free-standing building.

The School offers two degrees, the Master of Business Administration and the Master of Public Policy. For further information see under 'Courses of Study'.

ORGANISATIONS:

REGIMENT

ACADEMIC CENTRES:

CONTINUING EDUCATION

CHAST

MANAGEMENT AND

PUBLIC POLICY



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# Courses of study

## NOTE

*Courses and arrangements for courses, including staff allocated, as stated in the Calendar or any other publication, announcement or advice of the University, are an expression of intent only and are not to be taken as a firm offer or undertaking. The University reserves the right to discontinue or vary such courses, arrangements or staff allocations at any time without notice.*

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### Faculties

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## Agricultural Chemistry I

A course of 80 lectures and 135 hours' practical given to second year Agriculture students in the Agriculture IIA stream. The lecture course includes three main sections: physical chemistry and instrumental methods related to a proper understanding of biological sciences; organic chemistry covering the basic properties of naturally occurring molecules and those synthetic materials frequently used in agricultural practice; and a biochemistry course including general biochemical methodology and the basic metabolism of plants, animals and micro-organisms. Practical classes introduce basic techniques in Agricultural Chemistry. Experiments illustrate the principles of standard analytical methods and provide a better understanding of the lecture section of the course.

## Agricultural Chemistry (Animal Husbandry)

A course of 80 lectures and 80 hours' practical given to second year Agriculture students in the Agriculture IIC stream. The lecture course is the same as for Agricultural Chemistry I. Practical classes include practical exercises and demonstrations to illustrate the lecture section of the course.

## Agricultural Chemistry II

A course of 72 lectures and 170 hours' practical given to third year Agriculture students in the Agriculture IIIA3 stream. The lecture course includes material on photosynthesis; the biosynthesis of primary and secondary metabolites in plants; the metabolism of plant and soil nutrients, nitrification and denitrification, nitrogen fixation; the biochemistry of storage, transfer and expression of genetic information, protein synthesis, genetic control; enzymology; control and regulation in metabolic pathways; the biochemical mode of action of herbicides and pesticides; plant secondary products of importance to man, plant screening; fibres from plants and animals; instrumentation and analysis, interpretation of data. Practical classes include instrumentation and analytical methods widely used in the experimental agricultural sciences, analysis of plant constituents and experiments in plant biochemistry.

## Agricultural Chemistry IIA

A course of 36 lectures and 45 hours' practical given to third year Agriculture students in the Agriculture

IIIA1 stream. The lecture course includes material on photosynthesis; the biosynthesis of primary and secondary metabolites in plants; the metabolism of plant and soil nutrients, nitrification and denitrification in soils, nitrogen fixation; the function and metabolism of DNA and RNA, protein synthesis; metabolic control. Practical classes include aspects of plant analysis and selected experiments in plant biochemistry to illustrate some of the lecture material.

## Agricultural Chemistry III (Fourth Year)

The fourth year course undertaken by students specialising in Agricultural Chemistry includes:

(a) *Lectures.* The course includes lectures on the chemistry and biochemistry of cellular constituents (particularly in plants) and the physical behaviour of biological macromolecules. Emphasis is given to those aspects which are relevant to agriculture and the food industries.

(b) *Practical classes.* Formal practical classes are held in the Lent term (mainly organic and biological chemistry) and in the Michaelmas term (mainly an introduction to modern techniques and instrumentation used in biological chemistry).

(c) *Reading list.* After discussion with the members of staff each student is given a reading list designed for his or her particular interests. Material in this list is supplementary to the lecture course and is examinable.

(d) *Research project.* Each student is assigned to a member of the staff of the department and undertakes a short research project (mainly in Trinity term). Research projects are normally carried out in close co-operation with the staff member concerned and frequently form an integral part of the general research interests of the department.

## Agricultural Economics I

An introductory course of about 81 lectures on principles of economics as applied to agriculture. The main topics covered include the structure of the Australian agricultural sector. The changing nature of agriculture and problems of structural adjustment. Factors affecting the location of agricultural production and agricultural land values. Implications of the law of diminishing returns for farming practices. Factor substitution. Costs and factors affecting the size of farms. Specialisation versus diversification in farming. Introductory concepts of farm management. Factors affecting agricultural markets, prices and supply response. The impact of technology on agriculture. Distribution of the benefits of technology. The setting for agricultural price policy. Means of achieving government objectives in the farm sector. Introduction to natural resource economics. Problems in agricultural trade.

## Agricultural Economics II

This course consists of two parts.

(a) A course of lectures on agricultural policy, with particular reference to Australia. Topics discussed include:

An examination of the process of agricultural policy formulation with particular reference to the role played by particular institutions. An appraisal of the objectives of current Australian agricultural policy. A discussion of agricultural policy instruments and government intervention in agriculture. The role of rural pressure groups and farmer organisations in the development of policy. The effects of national economic policies on the agricultural sector.

(b) A course of lectures on agricultural production economics and principles of farm management. Among the topics discussed are:

Agricultural production functions. Factor substitution in agriculture. Principles of enterprise combination. Cost functions. Introduction to duality. Size economies in farming. The relevance of production economics principles to farm management. Management goals of farmers. Budgeting and gross margins analysis. Sources of management information. Parametric budgeting. Simple systems simulation. Linear programming as applied to whole farm planning and animal feeding. Financial and tax management. Introduction to risk in farm planning. Economic analysis of crop and livestock experiments.

An integrated series of workshop/tutorials provides practical experience in whole farm planning utilising budgeting, gross margins analysis, linear programming and simulation methods. Special attention is given to the planning of crop and livestock operations and practical feed-mix problems.

### **Agricultural Economics III**

This course consists of two parts.

(a) A course of lectures on agricultural markets and prices. Topics discussed include:

The field of agricultural marketing. Agricultural markets and their pricing function. The supply of and demand for agricultural products. Agricultural price analysis. Quantitative models of agricultural supply and demand. Marketing margins. The derived demand for agricultural inputs. Types of market organisation. Marketing boards and corporations and their role in administered pricing. Advertising agricultural products. Transport and storage. Grading agricultural products. Futures markets and risk bearing.

(b) A course of lectures on international issues in agricultural policy. Topics discussed include:

Trends in agricultural trade. The role of agriculture in economic development. Trade problems facing developing countries. The impact of national agricultural policy on trade. Comparative agricultural policy. Food-aid and surplus disposal programmes. The effect of economic integration on agricultural production and trade. Attempts to solve agricultural trade problems.

### **Agricultural Economics IV**

This course is the major component of the curriculum undertaken by fourth-year students in the BAgEc degree. In addition to attending lectures, tutorials and seminars in the subjects set out hereunder, students are required to undertake an independent research project and to prepare a thesis thereon. Students also complete some optional coursework in an area related to their research interests.

The principal topics discussed in the lectures and seminars are as follows:

(a) *Agricultural Finance and Decision Analysis* Advanced production economics: Multi-output agricultural production functions. Production duality. Functional forms. Optimal production decisions over time.

Decision making under risk: Concepts of probability. Concepts of utility. Utility functions. Elicitation of preferences. Agricultural production under risk. Farm planning under risk.

Agricultural finance: Financial management of agricultural firms. Cash, credit, debt and taxation management. Evaluation of investment and farm firm growth alternatives. Acquisition and intergenera-

tional transfer of assets. The role of financial institutions in the rural credit market.

(b) *Resource Economics and Project Appraisal* Issues discussed are: The use of natural resources. Externalities. Renewable versus non-renewable resources. Intertemporal resource allocation. The impact of uncertainty and irreversible decisions. Natural resource prices. Benefit-cost analysis. Public goods. Economics of land degradation. Impact of conservation on agriculture.

(c) *Contemporary Issues in Agricultural Economics* Seminars are conducted on the following topics: Current economic issues in Australia and world agriculture. Recent developments in agricultural economic theory. Appraisal of current Australian agricultural policy.

### **Agricultural Education (Fourth Year)**

This subject is taught wholly within the Sydney Institute of Education and includes three components:

(i) **Practice Teaching**

Three 2-week periods in schools in May, August and November.

(ii) **Agricultural Teaching**

This course covers topics such as the objectives of secondary school courses in agriculture, curriculum methods and evaluation.

(iii) **Science Teaching**

This course is designed to qualify teachers of agriculture in a second method subject, viz. the teaching of science. It deals with the objectives of science teaching, curriculum methods and evaluation.

### **Agricultural Entomology**

Lectures give students a brief introduction to insects and related animals and their importance to agriculture. Topics cover morphology and classification, physiology, ecology and behaviour, principles of control, toxicology of insecticides and biology of the major economic pests in New South Wales.

The practical classes supplement the lectures and give students a working knowledge of important parasitic groups, the major orders of insects and economic species in New South Wales.

### **Agricultural Entomology (Fourth Year)**

(a) *Anatomy and Taxonomy of Insects*: The internal and external structure of insects is studied in detail. The anatomy of major orders is compared and contrasted. Classification to family level of all orders is included in the practical course.

(b) *Ecology*: A course of lectures and tutorials covering both invertebrate and vertebrate ecology.

(c) *Insect physiology and toxicology*: Toxicology covers the major groups of insecticides used for insect control. Their chemistry, metabolism and mode of action on insects and vertebrates are discussed. The laboratory work supplements the lectures. Physiology includes lectures and practical work designed to acquaint students with the physiology and biochemistry of insects.

(d) *Economic entomology*: This is partly an audiovisual course dealing with the biology of economically important arthropod pests of the major crops grown in New South Wales. There is also a reading list, which covers topics in this area.

(e) *Reading course*: This list covers areas in entomology that are not covered in other sections of the course and allows students to concentrate on areas of interest.



(f) *Project*: Students undertake research projects throughout the year under supervision of staff members.

(g) *Insect collection*: Students are required to make a small but representative collection of insects.

(h) *Biometry IIA*.

(i) *Excursions* will be made to places of interest during the year.

## Agricultural Extension

An introductory course on the principles of communication as applied to agricultural extension. The main topics covered include:

An overview of the extension field. The role of the practitioner in extension. The process of communication. The place of extension methods in terms of extension objects. Examination of communication methods currently employed, and others potentially useful, in extension. Co-operation with the communication industries. Administration of communication campaigns. Programme planning.

## Agricultural Extension (Fourth Year)

This subject is made up of the courses Agricultural Extension II, Extension and Communication, and several other courses from related disciplines.

### Agricultural Extension II

A series of lectures and seminars is held on (a) extension research, (b) educational methods, (c) extension organisation and (d) extension policy. Students are also required to undertake an independent research project and to prepare a thesis thereon.

The topics discussed are as follows:

(a) *Extension Research*: Research on the extension process in Australia. Comparison with major themes in extension investigations overseas. Evaluation in agricultural extension. The role of the social scientist in extension research. Problems in the application of social science research methods to the extension setting.

(b) *Educational Methods*: Selection of methods in relation to extension objectives. Staff training in educational methods. Use of extension methods in specific campaigns. Group learning procedures. Programmed instructions. Problems in research on method evaluation.

(c) *Extension Organisation*: Systems of organisation in extension authorities. Regional organisation of extension services. Co-ordination among extension agencies. Inertia to change in organisations. The communication link between research scientists and extension officers.

(d) *Extension Policy*: Recruitment of extension service personnel. Training of extension officers. Finance for extension. The relevance of extension programmes to farmers' needs. The development of new extension programmes.

### Extension and Communication

A course of 27 hours. The principal topics include:

The development of the extension movement. Agricultural extension in Australia—organisations, personnel, content and clientele. Contrasts and similarities with agricultural extension services in some overseas countries. Communication and education. Learning. Attitude change. Opinion leaders and the multi-step flow of information. Experiments on the communication process. Communication and learning in groups. Mass communication. Education technology. Diffusion of innovations, especially farm

practices. Australian studies on agricultural extension. Communication of international agricultural research information.

## Agricultural Genetics (Fourth Year)

(a) *Cytogenetics*

(i) 55 lectures on cytology and cytogenetics. The cytology lectures deal with the nuclear components (chromosomes, nucleolus, heterochromatin) and the cytogenetics lectures with chromosome identification and the evolution of plant species.

(ii) 85 hours of laboratory work including chromosome identification, heterochromatin banding, aneuploidy, special chromosomes, colchicine techniques, research project(s) and cytogenetics problems.

(b) *Plant Breeding*

A series of about 60 lectures based on the theme that plant improvement schemes require the synthesis of genetical and biological theory in the form of comprehensive breeding plans consisting of protocols for the synthesis of variable populations, the continuous improvement of experimental populations by selection and gene manipulation, and the utilisation of improved populations as cultivars. The parallel laboratory sessions (about 20) consider methods of description of phenotypic and genetic variability in plants, and contemporary descriptions of comprehensive breeding plans based on different strategies.

## Agricultural Microbiology I

A course of 27 lectures and 54 practical hours given in the third year. The purpose of the course is to provide a fairly comprehensive, rather than detailed, review of the subject including its general principles and techniques as well as those aspects more directly related to agriculture and agricultural products. A course in biological chemistry, before or concurrently, is to be regarded as essential.

Practical work is designed to give practice in simple microbiological techniques and to illustrate topics dealt with in lectures.

## Agricultural Microbiology II

A course of 9 lectures and 18 hours' practical work on the microbiology of nutrient cycles, with particular emphasis on the nitrogen cycle, and their relationship to plant growth, microbe-plant interactions, the effects of soil tillage methods on the soil microflora, and the isolation of specified microorganisms.

## Agricultural Microbiology (Fourth Year)

The coursework for this subject follows substantially the same syllabus as the senior course for science students, Microbiology II. The topics include: microscopy; genetics; phages; microbial physiology and growth; bacterial cytology; medical microbiology; virology; microbial ecology; plant-microbe interactions; industrial microbiology; biotechnology; food microbiology. Additional lectures early in the course will give background on certain aspects of the intermediate science course which are not treated in Agricultural Microbiology I. As far as possible, agricultural students will be given essays and other assignments on topics of importance to agriculture.

In addition to the coursework, valuable experience is gained by undertaking a research project in conjunction with a member of staff, the project accounting for roughly half of the final mark of the course.

**Agricultural Physics**

This course is comprised of two parts:

**1. Physics I (Life Sciences)**

(a) *Lectures*: 72 lectures given throughout the year. The course is designed to emphasise the concepts of Physics and, where possible, to show the application of Physics in the Biological Sciences. There are six units: forces and energy, electricity, thermal physics, optics, ionising radiation and properties of matter. Two-thirds of the lectures are given on closed circuit television, whilst one-third are given by the lecturer-in-charge of Agriculture students taking the course.

(b) *Practicals*: Nine 3-hour practicals in Lent term on the following topics: optics, heat flow through a gas, liquid flow, electrical characteristics and radiation. Two 2-hour practicals in Michaelmas term on selected topics in electricity.

**2. Agricultural Topics**

(a) *Lectures*: One lecture weekly in Trinity and Michaelmas terms which introduces the theoretical aspects of the theme to be covered in that week's practical class. The themes are microscopy, energy balance in soils and micrometeorology, macrometeorology, and energy balance of animals.

(b) *Practicals*: Eighteen 2-hour practicals in Trinity and Michaelmas terms in which the lecture material will be discussed, demonstrated and the experimental data manipulated.

**Agriculture in the Economy**

A course of about 27 lectures designed to provide some perspective on the social and economic organisation of the rural industries and their place in the modern community. Particular topics covered in the course include: the changing nature of agriculture; agricultural adjustment in the world economy; the historical development of Australian agriculture; agriculture in the Australian economy; constitutional, political and administrative institutions affecting Australian agriculture; the role of the farmer in commercial agriculture; introductory concepts of farm management.

**Agronomy B****(a) Horticulture**

See separate entry in alphabetical sequence below under Horticulture.

**(b) Crop Husbandry**

Concerned with the application of physiological and agronomic principles to production practice with respect to important Australian crops. The major agronomic practices examined are tillage, crop establishment, introductory weed control, fertiliser and water management, crop harvesting and storage. Major winter (wheat, oats, barley, lupins) and summer (rice, sorghum, maize, sugar cane, sunflower, soybeans, cotton) crops are discussed.

**(c) Pasture Husbandry**

Agronomic and ecological principles of production and utilisation in native and sown grassland communities. Pasture growth and environment, pasture quality, substances injurious to animal health, pasture improvement and management.

**Agronomy CI****Crop Husbandry**

See entry above.

**Agronomy CII****(a) Pasture Husbandry**

See entry above.

**(b) Pasture Plants**

A practical course in the morphology, systematics and ecology of pasture species.

**Agronomy (Land Use)****(a) Methodology of Land Evaluation**

The principles of land evaluation for rural purposes. Land suitability evaluation procedures, a numerical soil rating system and the land capability classifications, used in New South Wales.

**(b) Principles of Land Use for Agriculture**

An assessment of the national land resource leading to an understanding of present land use: historic, demographic, logistical and terrestrial environment controls, climate environment controls. Identification of agricultural regions and an analysis of suitable systems of farming. The consequences of mismanagement.

Agricultural resource development: a study of the sequence of assessments and operations involved in developing agricultural land until it supports a stable and productive system of farming.

**Agronomy (Pasture Plants)**

A practical course in the morphology, systematics and ecology of pasture species.

**Irrigation Agronomy**

The course will cover all major aspects of irrigation economy other than economics. It will include biological and engineering aspects of modern irrigation science. Emphasis will be given to efficiency of water use.

Practical work includes taxonomic studies in important weed families, field and glasshouse studies, herbicide application methods, etc. Each student will be expected to prepare a review of one herbicide, or group of herbicides, and one weed species or a group of species.

**Agronomy (Fourth Year)**

A full year's programme covering practical work, lectures, field trips and a personal research project appropriate for a professional agronomist. Students spend about 20 to 25 per cent of their time on their research project and complete a mandatory core of courses (Group A). In addition they must complete corequisite courses (Group B) that were not taken in third year. Finally they may choose an elective course (Group C).

**Group A: Core Courses**

Practical Agronomy  
Advanced Crop Science  
Agronomic Experimentation  
Computing in Agriculture  
Research projects and thesis

**Group B: Corequisite courses**

Biometry II  
Irrigation Agronomy

**Group C: Elective courses**

Soil Science II  
Production Economics and Farm Management  
Special course unit (by arrangement)

**Animal Anatomy**

A course of lectures, tutorials and practical classes on the anatomy of farm animals, with particular emphasis on animal production.

**Animal Husbandry I**

A course of lectures and practical classes covering the following topics—animal ecology; species, breeds and

management of domestic animals; animal products, grading and marketing. The practical classes will be conducted in sections of the Department of Animal Husbandry at Camden.

## **Animal Husbandry II**

### **(a) Animal nutrition**

The major nutrients—carbohydrates, fats and proteins, minerals, trace elements, vitamins, food additives—their digestion and metabolism, effects of deficiencies and excesses. Nutrient requirements for maintenance and production. Energy metabolism. Feeding standards.

### **(b) Animal reproduction**

A course on mammalian reproduction and its control with particular reference to farm animals. Cycles in reproduction and environmental factors which control them. Oogenesis and spermatogenesis. Fertilisation, pregnancy, parturition. Prenatal mortality. Fertility and sterility. Artificial control of reproduction; management systems involving controlled breeding.

The practical course deals with the following topics: Functional anatomy of the male and female reproductive organs. Reproduction in the female: gametogenesis, fertilisation, and embryonic development. Foetal development in cow, ewe, sow and mare. The foetal membranes and blood supply. Reproduction in the male: collection and examination of semen. Diluents, dilution of semen, and survival of spermatozoa during liquid storage. Freezing and thawing of semen, and examination of survival of spermatozoa during post-thawing incubation. Artificial insemination. Hormones in reproduction: radioimmuno and competitive protein binding assays, pregnancy testing.

### **(c) Skin biology; behaviour**

Physiological function of skin. Phylogenetic relationships between hair and non-mammalian epidermal structures. The wool fibre. Practical work includes definition and measurement of wool quality using modern techniques and equipment.

### **(d) Animal behaviour**

Basic patterns of behaviour in relation to animal production.

## **Animal Husbandry (Fourth Year)**

Advanced animal husbandry taken largely at Camden where the students are in residence on the Animal Husbandry Farms for three terms; meats, poultry, genetics, dairying, wool, control of animal diseases.

Approximately 20 per cent of the time is available for project work, which is carried out in various sections of the department.

## **Animal Physiology**

Approximately 54 hours of lectures and 108 hours of practical work.

Animal physiology introduces the student to the subject and covers the general ground-work of physiology. The course extends over three terms and is particularly designed for the student of domestic animals.

Practical classes are conducted during the three terms in which the principles described in the lectures are exemplified with animal material. In these classes the students work in pairs or teams and keep detailed records of their experiments.

## **Animal Science**

This course will cover three major topics—animal production, nutrition and animal physiology. Animal

ecology, species and breeds, management, animal products, grading and marketing; introduction to nutrition, lipids, proteins, vitamins, minerals, evaluation of feeds, systems of expressing energy value of feeds, nutrient requirements, application of feeding standards in practice; regulation of body functions, temperature regulation and adaptation, reproduction, lactation, growth and development, digestion and absorption, wool and hair, avian reproduction, growth and development, animal behaviour.

## **The Australian Economy**

See under Faculty of Economics.

## **BIOLOGY**

See under Faculty of Science.

## **Biometry I**

An introductory course of 27 lectures and 18 hours' practical work, which considers problems of statistical design and analysis encountered in research in the biological, agricultural and veterinary sciences. In practical classes, the computer package MINITAB is used extensively to analyse experimental data.

The course covers: describing biological data and variability in statistical terms; some theory of sampling and estimation, with practical considerations such as randomisation and replication; framing biological hypotheses; theory of hypothesis testing; estimating and testing a single treatment via a t-test, and extending to tests of two or more treatment means via an F-test; practical experimental design; the concept of experimental units; controlling variability in experimental material by pairing and blocking; applications of the analysis of variance of completely random, randomised complete block and Latin square designs; extending treatment designs to simple factorial designs; examining the linear relationship (regression, correlation) between two biological measurements, with particular application to dose-response curves.

## **Biometry II**

A course of 27 lectures and 27 hours' practical work, which follows on from Biometry I.

This course examines the practical aspects of agricultural experimental design in detail. The statistical package MINITAB is used extensively in lectures and practical classes, and analyses are also obtained using GENSTAT. The underlying analytic tool of the course is the General Linear Model, which is basically a multiple linear regression model relating a biological variable to a number of predictor variables. Topics covered include: parabolic response curves; non-linear growth curves such as exponential, logistic and Richard's; the following experimental designs—completely random, randomised complete block, Latin square, split-plot, split-block; the following treatment designs—complete and incomplete factorials, factors which consist of increasing amounts of a treatment, factors which consist of a group of similar treatments; the problem of missing experimental data, leading to the notion of non-orthogonal designs; transformations of biological measurements; controlling variability by covariance analysis.

## **Biometry (Fourth Year)**

Lecture courses within the section are given in matrix algebra, linear models, advanced biometrical methods, design of experiments, multivariate analysis, and computing techniques.

*Matrix algebra* is designed to provide the necessary matrix knowledge upon which all other courses are built. Topics include: elementary matrix operations; differentiation of matrices; determinants; inverses; ranks; eigenvalues and eigenvectors.

*Linear models* provides a matrix framework for standard statistical analyses, including t-tests, regression analyses, the general linear model, balanced and unbalanced experimental designs, covariate analyses.

*Advanced biometrical methods* topics include: combined analysis of experiments replicated in time and space, split plot designs and analysis; unequal subclass numbers analysis of variance; multiple and partial regression; analysis of covariance; non linear regression; non parametric statistics; the use of residuals in model validation.

*Computing techniques* provides students with sufficient computing knowledge to write programs in BASIC and FORTRAN; to create and manipulate files; to use statistical packages. Both mainframe and personal computers are used.

*Design of experiments* topics include: least squares estimation and expectation of mean squares in the completely random, randomised complete block and Latin square designs; the general linear hypothesis of full rank; confounding in factorial experiments; incomplete block designs; response surface designs.

*Multivariate analysis* topics include: multivariate distribution theory; tests of hypotheses on means; the analysis of dispersion tests of independence of sets of variates; principal component analysis; canonical variate analysis.

In addition to the above courses, students majoring in biometry will be examined in Mathematical Statistics II and will undertake a specific research project. They will also gain consulting experience.

## CHEMISTRY

See under Faculty of Science.

### Crop Botany

The botanical characteristics of agricultural and horticultural crop plants, weeds and poisonous plants, with main emphasis on their identification, included in a systematic treatment of the most important families of higher plants. Training in the use of keys and floras. Classification and phylogenetic relationships.

The reasons for, and botanical and chemical features which determine, the economic importance of the plants studied. Historical and broad climatic factors determining distribution.

Methods of reproduction and dispersal. The early development of the germinating seed.

### Crop Science

A course for second year students ('A' stream only) including six afternoon excursions. There are eight sections:

#### *Developmental Physiology*

A course concerned with physiological aspects of growth and development in higher plants. Special emphasis is given to the morphological basis of development, and to the role of plant hormones in mediating plant growth responses to the environment.

#### *Plant Anatomy*

A course of practical work on plant anatomy. Special attention will be given to interrelationships of structure and function and the material presented will be related to the subject matter of the Developmental Physiology and Crop Physiology sections.

#### *Plant Ultrastructure*

An introduction to the electron microscope, and basic resolution theory and techniques. Comparative examination of the ultrastructure of the procaryotic and eucaryotic cell. Details of the ultrastructure of higher plants, integrating structure and function.

#### *Crop Physiology*

This course considers crop-environment relationships by examining aspects of crop productivity based on an understanding of carbon metabolism in photosynthesis and crop yield, and plant and crop water relations.

#### *Crop Nutrition*

The principles of mineral nutrition of plants and crops. Topics include genotype in relation to nutrition, diagnosis of mineral deficiency and toxicity and maintenance of soil fertility.

#### *Annual Crop Agronomy*

Concerned with the application of physiological and agronomic principles to production practice with respect to important Australian crops. The major agronomic practices examined are tillage, crop establishment, introductory weed control, fertiliser and water management, crop harvesting and storage. Major winter (wheat, oats, barley, lupins) and summer (rice, sorghum, maize, sugar cane, sunflower, soybeans, cotton) crops are discussed.

#### *Grassland Agronomy*

Agronomic and ecological principles of production and utilisation in native and sown grassland communities. Pasture growth and environment, pasture quality, substances injurious to animal health, pasture improvement and management.

#### *Woody Perennial Crops*

Topics include growth and development in woody perennial plants, regeneration, control of form, control of flowering and fruiting.

### Economics I, II and III

See under Faculty of Economics.

### Economic Statistics I and II

See under Faculty of Economics.

### Farm Management

A course of 27 lectures and 27 hours of workshops given in Michaelmas term.

Among the topics discussed in lectures are: The relevance of the principles of production economics to farm management. The management goals of farmers. Advanced budgeting and gross margins analysis. Sources of economic information. Parametric budgeting. Simple systems simulation. Linear programming as applied to whole farm planning and animal feeding. Financial, tax and estate management. Empirical methods of handling risk and uncertainty. Experimental design and the economic analysis of crop and livestock experiments.

The workshops are closely integrated with the lecture course and involve visits to farms. In particular, practical experience is provided in whole farm planning utilising budgeting, gross margins analysis, linear programming and simulation methods. In the course of this work students are introduced to simple accounting principles and tax management. Special attention is given to the planning of crop and livestock operations and practical feed mix problems.

## Genetics

The objective of this lecture and laboratory course is to gain knowledge of the main theories and concepts of genetics, so as to apply these in understanding (1) parallel and following courses in the Agricultural Science curriculum, (2) the role of genotype variation in plant and animal production systems, and (3) the significance of genotype variation in biological and agricultural experimentation. In lectures five main theories of genetics are discussed. These are:

- the theory of the gene
- the chromosome theory of heredity
- the DNA theory of the chemical basis of heredity
- the theory of plasmid genetics and recombinant DNA technology
- the molecular genetic theories of the control of gene expression and of development.

In 17 laboratory periods the procedures of *genetic analysis* are demonstrated. These procedures are: mendelian genetic analysis in maize, barley and *Drosophila*; cytogenetic analysis of linkage, chromosome homology, and meiotic behaviour of chromosomes in aneuploids, translocation and inversion stocks using maize, barley, wheat and *Drosophila*; the use of simulation procedures in the study of population genetics, quantitative inheritance and selection theory; and the study of mutagenesis and bacterial conjugation in *E. coli* by selective plating techniques.

## GOVERNMENT

See under Faculty of Economics.

## Horticulture

The course, which includes a one-day field excursion, is concerned with fruit and vegetable production and landscape horticulture. Regional distribution of the industries; soil and climate requirements of species; varieties and rootstocks; seed and vegetative propagation; orchard and plantation establishment; management of the root zone and fruiting canopy; harvesting, storage, marketing. Features of the vegetable industry; special aspects of certain vegetable crops used for processing.

Landscape horticulture includes factors affecting the selection of plants for landscape works in cities and in semi-natural environments; plant establishment and maintenance procedures; species and cultivars commonly used by landscape architects; and the design of landscape plantings in the past and present.

## Horticulture (Fourth Year)

Students complete a mandatory core of courses (Group A), including a practical course and a research project and thesis. In addition they must complete corequisite courses (Group B) that were not taken in Third Year. Finally, students may choose an elective course (Group C), which enables them to specialise either in horticultural crops or in landscape horticulture.

### Group A: Core courses

Fruit crops  
Vegetable crops  
Flower and nursery crops  
Landscape horticulture  
Plant improvement  
Horticultural botany  
Computing in Agriculture  
Practical horticulture  
Research project and thesis

### Group B: Corequisite courses

Horticulture  
Biometry II  
Plant protection  
Applied Soil Science<sup>1</sup>

### Group C: Elective courses

Production economics and farm management<sup>2</sup>  
Landscape ecology  
Crop production (special)<sup>3</sup>  
Plant physiology (special)<sup>3</sup>

## Mathematics (Agriculture)

A course of 27 lectures plus 27 tutorials on mathematics basic to the agricultural sciences. A student entering is assumed to have a knowledge of mathematics equivalent to the Mathematics 2 unit course at the HSC examination. A student who feels his knowledge is below this standard should attend a bridge course in Mathematics held in February.

## Plant Pathology

A basic introduction to fungi, bacteria, viruses and nematodes as causes of plant disease. Nature of plant diseases. Epidemiology. Principles of disease control. Physiology of infection and the nature of host resistance. Parasitic specialisation.

## Plant Pathology (Clinical)

A laboratory course designed to train students in the recognition of common diseases in agricultural and horticultural plants and in the procedures for establishing the cause of the disease. Diseases of roots; diseases of vascular systems; diseases of the shoot system; recognition by fructifications of the fungal pathogens (mildews, rusts, smuts); recognition by symptoms (blights and lesions, spots and chloroses, growth deformations); postharvest diseases of fruit, tubers and seed.

## Plant Protection

A basic introduction to the principles of plant protection including treatment of associated social and legislative issues. Concept of the disease cycle. Strategy of disease and pest control. Assessment of damage. Forecasting of disease and pest outbreaks. Cultural, chemical and biological control of pests and diseases.

## Plant Pathology (Fourth Year)

A full-year specialisation comprising the following component courses.

### Diagnostic Plant Pathology

A practical course of laboratory and field work designed to acquaint students with the diagnosis and effects of disease in crops. Involves tuition and practice in the isolation of pathogens from diseased material in the laboratory. Includes inspection and collection trips to the field.

### Mycology and Fungal Physiology

A lecture and practical course on the fungi with reference to their activities as plant pathogens. Comprises lectures and associated practicals on classification, systematics, population analysis, variability and problems of nomenclature with special emphasis on pathogenic members of the following groups: Fungi Imperfecti, *Fusarium* spp., *Colletotrichum* spp.,

<sup>1</sup> Exemption may be granted if completed Soil Science II.

<sup>2</sup> If Farm Management completed in Third Year do: Production Economics plus Weed Science.

<sup>3</sup> Available only by arrangement.

Ascomycetes, the lower fungi, rusts, smuts and other Basidiomycetes. Also lectures and practicals on fungal nutrition and the physiology of reproduction and spore germination.

#### *Soil Biology*

A lecture and practical course on the ecology of the soil with special reference to the activities of plant-pathogenic fungi and nematodes. Includes consideration of the effects of physical factors such as water potential and gaseous diffusion on the survival, growth and infectivity of fungi in soil.

#### *Bacteriology and Virology*

A course of lectures and associated practical work on the plant-pathogenic bacteria and viruses and their interactions with plants. Includes symptoms of disease; the purification, transmission, characterisation, detection, ecology and taxonomy of plant viruses; and principles of control. The practical work emphasises advanced analytical techniques in virology.

#### *Physiology of Host-Parasite Relationships*

A course of lectures, tutorials and practicals on the processes involved in the interactions between plant cells and parasitic fungi and bacteria. Includes an introduction to the genetic basis of host resistance and parasitic specialisation. Covers the physiology of infection, host responses, roles of enzymes and toxins in parasitism, defence mechanisms of plants and the physiology basis of specificity.

#### *Research Project*

About one term will be devoted to a research project in an aspect of one of the above subjects. Time would be available for students to attend the 27 hour optional courses Plant Pathology (Clinical) and Plant Protection, which normally form part of the earlier year for undergraduates in Agriculture.

#### **Research Methods in Agricultural Economics**

This course is designed to introduce students to research methodology relevant to the study of agricultural economic problems. Topics discussed include: Research as an orderly enquiry. Approaches to research. Hypothesis testing. Sources and collection of agricultural data. Primary versus secondary data. Agricultural surveys. Questionnaire construction and interviewing technique. Simulation and the role of experimentation in agricultural economics research. Use of quantitative techniques in agricultural economics research with particular emphasis on econometric methods and operations.

#### **Principles of Agricultural Economics**

An introductory course on principles of economics as applied to agriculture. The principal topics covered include: The agricultural sector in the Australian economy. Types of economic systems. Factors affecting the location of agricultural production. The law of diminishing returns. Factor substitution. Costs and factors affecting the size of farms. Specialisation versus diversification in farming. Elementary price theory. Factors affecting agricultural markets, prices and supply response. Market structure and profit maximisation. The impact of technology on agriculture. The setting of agricultural policy. Means of achieving government objectives for the farm sector. Problems in agricultural trade.

#### **Soil Science I**

An introduction and terminal course of lectures, demonstrations, tutorials, laboratory practicals and

field excursions based on the study of some New South Wales soils of agricultural consequence.

This course discusses: Soil physical properties; structure, aeration, soil water, irrigation, soil strength, erosion. Soil chemistry and fertility; clays and cation exchange, swelling, coagulation and dispersion, soil solution, supply of nutrients, certain trace elements, organic matter and nitrification. Pedology; chemical weathering, soil formation, factors and processes, Australian soils, classification, mapping and evaluation.

Manipulative exercises include: soil density, pore space, infiltration, water movement, water extracts; pH, EC, organic carbon; use of maps, description of sites, description of soil profiles, the recognition of soil types.

Each topic, where appropriate, will include a discussion of its biological consequences.

#### **Soil Science II**

27 lectures on laboratory and field methodology, soil survey, aerial photograph interpretation, soil geomorphology, soil classification, and land evaluation for rural purposes.

A practical course of laboratory and field characterisation of soils for identification of properties used in making land use decisions. A field excursion and a series of seminars and tutorials, in which all students participate, form an integral part of the course.

#### **Soil Science (Fourth Year)**

A full year's programme covering:

- (a) Practical methods in soil science (lectures, and practical work).
  - (b) Soil physics (lectures, tutorials, and practical work).
  - (c) Soil chemistry (lectures, tutorials, and laboratory work).
  - (d) Pedology (lectures, tutorials and practical work).
  - (e) One or more courses selected after consultation with the head of department from Agricultural Chemistry, Chemistry, Agronomy, Horticulture, Biometry, Ecology, Plant Nutrition, Geology, Soil Mechanics, Soil Microbiology, Soil Colloids.
  - (f) A minor research project, seminar, and thesis.
- (By special arrangement students in other departments may enrol in one or more of the above courses.)

# Faculty of Architecture

AGRICULTURE  
ARCHITECTURE

The details of courses should be read in conjunction with the Senate Resolutions governing the award of degrees and diplomas in the Faculty of Architecture.

The courses provided by the Faculty of Architecture are described also in the faculty handbook, which contains details of unit values and prerequisites.

## BACHELOR OF SCIENCE (ARCHITECTURE)

### C01.101 History and Theory of Environmental Design

Significant architectural movements are examined as an evolutionary development of new theoretical principles and the advancement of technology. A wide range of environmental solutions is used to illustrate the interrelationships of the physical environment, and social, political and economic conditions.

### C01.102 History of Landscape Design

Past and present solutions are used as media for the demonstration of landscape design principles. An awareness is fostered of the relationships between buildings and the environments which contain them. The present man/nature relationship is placed in historic perspective by scanning the past to see the effect of man's values on the natural conditions in which he found himself.

### C01.104 History of Australian Landscape Design

This course traces the history of gardens and related landscapes from 1788 to the present day. The history lectures cover the following areas: the first gardens; squared and cottage gardens; plant supply and acclimatisation; botanic gardens and horticultural societies; Arcadian and Green Revival gardens; Victorian Italianate gardens; the Gardenesque Movement; William Guilfoyle; Edwardian gardens; the suburban garden; Gertrude Jekyll interpreted; Edna Walling; the bush garden and current landscape themes.

The concluding lectures will provide a philosophy regarding contemporary landscape design in Australia.

### C01.105 Art History

A course dealing with the development of art, particularly the painting and sculpture of the western world, with some specific reference to Australia.

### C01.107 Nineteenth Century Architecture in Australia

The course examines the evolution of architecture in Australia from the First Fleet until World War I as a response to European and other external cultural influences modified by local physical and social conditions.

### C01.109 Theatre History and Design

Commencing as an overview of the design of theatre and other buildings and venues used for performance from Greek theatre until late 20th century, this course shall concentrate on the actor-audience relationship and how this was affected by design. Apart from architectural history of the building form, it shall also illustrate how theatre design was a social indicator, particularly in the class-conscious 19th century, and how this changed with the arrival of the egalitarian theatre for the showing of motion pictures in the 20th century. Finally the course shall review the recent phenomenon of the Performing Arts Centre as a partial result of public subsidy for the arts.

### C01.110 History of Building Science A

An examination of the theory of architectural science and its relation to history in general and to the history of architecture and of science in particular. The core problems of architectural science are studied from the earliest structural forms up to the beginning of the era of scientific structural design. The course concentrates on the period prior to the 19th century.

### C01.111 History Elective A

Information on this course is available from the faculty office.

### C01.112 History Elective B

Information on this course is available from the faculty office.

### C01.113 Oriental Art and Architecture A

This course traces, against a background of social conditions and historical events, the evolution of Japanese architecture from its primitive beginnings through to the present day. Sources and influences, particularly Chinese, are dealt with in considerable detail, and urban planning as well as design concepts relating to all aspects of the physical environment are studied. The course also attempts to relate postwar Japanese architecture to its roots, both native and foreign, and to changing post-war society.

### C01.114 Oriental Art and Architecture B

This is a survey of the architecture of India and South East Asia with special emphasis on the relationship of the buildings to cosmological, mythological and metaphysical beliefs. Preliminary lectures will deal with the architecture of the primitive head hunting tribes of South East Asia; the people of Nias, and Mentawai, the Bataks of Sumatra, the Dyaks of Borneo, the Toraga of Sulawesi, the island peoples of Nusa Tenggara and the Asmat of West New Guinea. Then the Hindu and Buddhist architecture of India will be analysed and the diffusion of the Hindu Buddhist ideas throughout Asia will be traced showing the development of regional variations as the original Indian ideas came into contact with the indigenous cultures. Next the advent and spread of Islam with its own distinctive architecture will be dealt with. The final lectures will discuss colonial and contemporary architecture in the area.

**C01.118 Contemporary Design**

The course covers major development in architecture of the present time with reference to relevant preceding events. Seminars provide a forum for discussion.

It is advisable that students complete C01.122 The Modern Movement in Architecture before enrolling, as prior knowledge of this is assumed.

**C01.119 Renaissance to Baroque Architecture**

The bias of this course is toward consideration of specifically architectural principles and approaches to the making of buildings and spaces, as demonstrated by the ideas and works of this period. It aims to give an understanding of Classical architecture.

**C01.120 History of Urban Design A**

A broad historical survey of the architecture of cities up to the end of the eighteenth century. The course will be concerned with the evolution of ideas and principles of urban and civic design. The main source of examples will be the western civilisations although occasionally comparisons will be made with examples from eastern cultures.

**C01.121 History of Urban Design B**

This course is concerned with the development of urban design from the early nineteenth century to the present. It will deal with the relationship between elements of the city and social and other factors that come to bear in the development of the city environment.

It is advisable that students complete C01.120 History of Urban Design A before enrolling, as prior knowledge of this is assumed.

**C01.122 The Modern Movement in Architecture**

Over the last few years there has been mounting criticism of the architecture based on the tenets established by the leading figures of the Modern Movement in the 1920s and 1930s.

Course objectives:

- Discuss the early aims of the Modern Movement and examine built forms and written statements.
- Review the results in the prewar and postwar periods.
- Discuss the credibility of initial postulates in the socio-economic context of today.

**C01.123 History Elective C**

This course will provide an opportunity for students to undertake, with special approval, individual supervised projects within the general area of History of Architecture. Members of staff will also be able to offer special projects for students.

**C01.124 Twentieth Century Architecture in Australia —pre 1940**

The history of the development of architecture in Australia between the wars. The course structure will consist of lectures, seminars and site visits.

**C01.125 Twentieth Century Architecture in Australia —post 1940**

Investigation and discussion of the Architecture of Australia since the war. The course structure will consist of lectures, seminars and office and site visits.

**C01.204 Introduction to Management**

The course deals with the terminologies, conventions and procedures in regard to management of organisations and to the economic climates within which or-

ganisations operate. The application and effect of this knowledge in organisations under varying external conditions is investigated. The development of scientific and human relations schools of management, classical management theory concepts, and techniques of planning and control in organisations, are included. Structure and design of organisations under differing circumstances.

**C01.207 Theory of Architecture**

An introduction to the broad issues of ethics, aesthetics and theory of knowledge implicit in architectural activity and discourse. Critical analysis of contemporary architectural theorists.

**C01.208 Legal Aspects of Design Practice**

The objectives of the course are the realisation that all aspects of a professional practice have their legal implications (relevant conventions, resultant rights and responsibilities, terminologies, procedures and pitfalls in establishing and running a professional practice) and applying the obtained knowledge to particular situations drawn from practice.

The course covers the framework (forms of practice including partnerships and companies, industrial relations, leases, etc.) and the conduct (contracts, relationships including agency, property, copyrights, insurances, banking, finance, etc.) of a professional practice.

**C01.212 Building Contract Law**

The objectives of the course are to provide knowledge, understanding and the ability to apply the legal aspects of building contracts, including their administration and claims and disputes under them.

Topics covered are: all aspects of contracts (from terms to remedies for breach), the architect's role in contract documents, definition of 'the architect', architect's instructions, site conditions, execution of the works, payment and completion of the works.

**C01.213 Information and Documentation Theory**

To give an understanding of techniques for locating, storing and retrieving information; to provide a theoretical background to systems of documentation for building projects, at local and international level, to understand methods of communicating information within the building industry.

The course includes information on specific methods and techniques for indexing documents and describes CIFS and other referencing systems; structured information handling games are used, and debriefing analysis to illustrate active and passive role-playing in the complex information movement networks that are part of the building industry.

**C02.107 Urban Ecology**

The student is encouraged to appreciate the urban environment as a social ecosystem, within which acts of design intervention will affect 'welfare', quality of life and 'freedom'. Ways of evaluating environmental changes in the urban system at each of these levels are introduced.

**C02.108 Urban Theory**

To acquaint the student with the principles of urban spatial growth and change including the part played by buildings in this process. The course deals with the history and theory of urban development, trends in urbanisation, dimensions of approaches to the study of urban spatial change, the dynamics of spatial structure and urban real estate as an economic good.



**C02.109 Man-Environment Studies I**

Vitruvius, along with most other writers on architectural theory who came after him, considered that *one* of the primary purposes of architecture is to give delight to those who experience architecture. One way in which architects can go about providing such experiences is to identify buildings that give them delight, study the way in which the elements that make up the building contribute to the experience and then translate these constellations of built elements into their own designs. This translation process is, however, full of dangers. If the initial analysis is incorrect the particular constellations of built elements may not work in the new context. Alternatively a literal translation is simply a cheap imitation.

The way around these problems is to recognise that the experiences of delight reside not in the built elements themselves but in the ways in which these built elements fit into the capacities of the human sensory and perceptual systems through which we experience the world. Thus the size, shape, placement and number of windows lead to particular experiences within a room through their effect for example on the pattern or distribution of light and shade within the room. If designers can learn these more abstract principles (more abstract, that is, in relation to the built elements), they are freed from the problems of translation and imitation and should be able to design more creatively to provide delight in all design situations that they face. The project concentrates, therefore, explicitly on delight and does not require full resolution of the problem in terms, to quote Vitruvius again, of firmness and commodity.

**C02.110 Man-Environment Studies II**

The fact that architecture is not simply concerned with the physical aspects of buildings but also with the political, social and individual meanings of buildings is an issue of recurring interest throughout the history of architecture. In the modern context the issue has once again come into sharp focus through the work of Venturi and the Post-modernists.

The course aims at examining the idea of meaning in architecture and dealing with such questions as: what are the meanings conveyed; is there a hierarchy of meanings; what is it about the buildings which conveys the meaning; what is the role of complexity, contradiction, ambiguity and anomaly in creating meaning. These questions will be examined through lectures and seminars on the psychological aspects of aesthetic and emotional response and the acquisition of knowledge about the world and through the analysis of buildings important in the history of architecture. In addition participants will be asked to find and analyse examples of buildings in the Australian context that have particular meanings.

**C02.111 Man-Environment Studies III**

What impact does the house-building process have on the natural systems present on a building site? What is the continuing effect (after 3, 5, 10, 20 etc. years) of the house and its human occupants on these natural systems?

What effects do the occupants' gardening philosophies and attitudes to landscape have on natural systems? Does the garden that evolves around a house represent the occupants' image of an ideal natural environment?

What effect will an imposed and alien ideal environment (European formal, Mediterranean relaxed, Balinese luxuriant) have on existing natural systems? Can these effects be confined to the individual site?

What happens where the imposed meets the existing? Over what spatial extent can an existing natural system be invaded and changed by an imposed natural system? To what extent are individual householders responsible for the effects at a distance of their images of the ideal natural environment?

The aim of the course is to examine these issues through a study and evaluation of a particular area where there is an interface between built and natural environments. This area chosen will contain a variety of houses of different ages with gardens that reflect different ideal images. In addition the area will have a number of undeveloped sections of different sizes where the interaction of existing and imposed natural systems can be demonstrated and the potential long-term effects on the landscape as a whole examined.

**C02.112 Man-Environment Studies Elective A**

Information on this course will be available from the faculty office.

**C02.113 Man-Environment Studies Elective B**

Information on this course will be available from the faculty office.

**C02.114 Man-Environment Studies Elective C**

Information on this course will be available from the faculty office.

**C02.115 Introduction to Man-Environment Studies**

Man-Environment Studies aims at maximising initiative and subjective design processes through the understanding of the individual human, social and community structures and how these can be exploited effectively within the environment.

This introductory course gives a general review of the social and human sciences, of the assistance that each can offer the environmental designer, how people sense, and operate within, their environment, and how an understanding of this, people's sensory systems and capacities, may assist designers in their work.

**C02.116 Environmental Horticulture**

This course demonstrates the practical problems of establishing and maintaining landscape plants. In harsh physical environments or where low maintenance requirements demand that plants be capable of withstanding stress, careful consideration must be given to plant selection. Commonly encountered stresses are covered with reference to stress occurrence, symptoms shown by plants, means of resistance in plants, means of reducing stress, and choice of resistant species and cultivars. The course is of relevance to the selection of plants for artificial city plantings and for schemes in semi-natural environments.

**C02.207 Statistics**

This course introduces statistics as a fundamental tool in architectural practice and research. Tools and methodologies will be developed on two levels: fundamental tools, such as non-parametric statistics, will be presented in the depth required for them to be immediately useful to students. A major emphasis will be on the practical use of these techniques in architecture, particularly in the man-environment studies area. The full theoretical basis will be presented. The limitations and assumptions behind these tools will also be discussed. Beyond these, more sophisticated techniques will be presented on an awareness basis, so that students have some knowledge of the range of tools statistics can bring to bear on a problem. An import-

ant element of the teaching will be the presentation of case-studies on the use of statistical tools in architecture.

#### **C02.208 Introductory Mathematics**

A course in the mathematics of interest to the practice of architecture. It stresses mathematics as a process, in many ways analogous to the design process, and not simply as a rigid body of knowledge. The course parallels the introductory history course by developing the material along historical lines and showing the uses of mathematics in the architecture of the times and the impact of mathematics on architects and society. The importance of mathematics for describing the built form and the world is shown. An important thread is the emphasis placed on geometry as the basic mathematical tool of architects.

#### **C02.209 Architectural Geometry**

A course that explores the geometry of architecture, which will provide students with an understanding of the mathematics of space and shape, developed along the lines of March and Steadman's 'Geometry of the Environment'. Although conventional planar and descriptive geometry will be covered, the major tool developed will be transformational geometry. This will be presented first at a descriptive level and then more rigorously through matrix algebra. Methods of shape description will also be presented. Throughout, examples from the works of architects from Vitruvius on will be used to illustrate the subtle uses of geometry made for the creation of the built form.

#### **C02.210 Quantitative Methods I**

This course introduces students to the mathematics of spatial pattern distribution and location. The major theoretical component will be a treatment of planar graphs and networks. This is followed by applications of these tools for measurement and description of association and spatial organisation. The main area of application will be in the description of built form and secondarily in urban studies, transportation and population studies.

#### **C02.310 Technologies of Environmental Design I**

Affectionately known as TED, this course provides an introduction to the various technologies upon which architecture and environmental design are based.

To some extent it addresses itself to the why of architecture and to a large extent, the how of architecture. It will explore the influence of available technology and the prevailing climate as constraints and generators of the form of the built environment. Primarily, it will be concerned with architecture in its role as shelter.

Lent term commences with an exploration of the natural environment and an understanding of climate and its influence upon architecture. The course will also be concerned with how we and our buildings interact with this environment. Parallel with this, the course will introduce the nature of building materials, their properties and applications and the relationship between the materials and structural form.

Trinity and Michaelmas terms extend these discussions into an exploration of how these materials can be worked, joined, supported and formed into structural and constructional elements. These terms will provide an insight into the building construction process and the principles of structural behaviour, and the analysis of this behaviour.

#### **C02.314 Principles of Environmental Science and Technology**

The course introduces the basic concepts and principles of environmental physics which form the basis for following courses. There are three components to the course involving light, heat and sound. The lighting component considers the eye and its response to light, units and concepts, measuring instruments and light sources. The heat component deals with concepts of heat and temperature, units, building climatology, steady-state heat flow, sol-air temperature, thermal comfort, evaluation techniques and building thermal response. The acoustics component treats the need for acoustical design in buildings, sound, units and measurement, human response to sound and acoustical criteria.

The associated laboratory programme introduces students to basic instruments and measuring techniques and applies the theoretical principles developed in lectures.

#### **C02.315 Applications of Environmental Science and Technology**

This course develops the principles treated in C02.314. In acoustics the following topics are treated: impact and airborne sound transmission through walls and floors; sound control by absorbers; the behaviour of sound in enclosed spaces and architectural solutions for the successful design of auditoria. The lighting component introduces the elements of interior lighting design, looks briefly at sun control and sun-lighting and treats daylighting design as a major study. The thermal component explores the various thermal environmental control options available to designers using both conventional and alternative energy sources. Among the options considered are passive solar heating and cooling systems; conventional space heating; active solar heating; air conditioning systems and active solar air conditioning. Emphasis is placed on integrating these elements with other planning and design constraints.

#### **C02.316 Energy and Buildings**

This course investigates buildings as energy systems and discusses the use of energy in buildings with particular reference to the need for reduced levels of energy consumption. Emphasis is placed upon the 'energy-economics' of buildings and its implications upon the design, construction and use of buildings in Australia. Major areas of concern are: energy and the community; buildings as energy systems; energy conservation in buildings; alternative energy sources; alternative environmental technologies.

The aim of the course is to provide a forum for the rational discussion of all facets of the energy problem related to buildings and the development of a balanced view of conventional and alternative strategies available to building designers and users.

In addition to formal lectures, group discussion seminars will be held on particular topics with outside speakers invited where appropriate.

#### **C03.210 Cost Planning and Control**

An outline of the principles and techniques of cost planning and control, including feasibility studies, estimating methods of finance, costs in use, the Australian Standard Method of Measurement of Building Works and the role of the quantity surveyor.

#### **C03.214 Materials and Methods I**

The course introduces the concepts of design and design detailing. A range of problems is discussed and

preferred resolutions developed. There is an emphasis on communication and quality of drafting work.

### **C03.215 Building Fabric Performance and Selection**

The programme examines the performance approach to the design of the building fabric and ways to meet the range of performance requirements. It builds on studies in C02.314 (Principles of Environmental Science and Technology), with particular emphasis on solar control, thermal performance and material maintenance.

### **C03.216 The Building Industry in Australia**

The objective of this course is to give an overview of the Australian building industry, including its role in the national economy, the nature of organisations and processes that produce buildings, the role of the various organisations within the industry—e.g. manufacturers, builders, unions—and describing the architect's role in this context. Reference is made to historical examples of the organisation of the building process.

### **C03.217 Construction Practice II**

This course expands on the first construction programme and is a required course for students proceeding from the first degree to the professional degree. Common trades are discussed in depth and specialist trades are introduced.

### **C03.218 Construction Practice III**

The course looks at current techniques in non-domestic scale construction and visiting practitioners discuss trends in design and building. Students work in small groups to prepare design and construction proposals for a medium-size building in response to the constraints of Ordinance 70.

### **C03.302 Principles of Structural Design**

Builds upon the concepts laid down in course C02.310 in an examination of loads, form, strength, stability and stiffness of more complex statically determinate and very simple statically indeterminate structures.

### **C03.303 Structural Steel Design**

Basic principles of the design of structural steel. Examines the potential of steel as a structural material, and the limitations imposed by its properties.

### **C03.304 Reinforced Concrete in Buildings**

Basic principles of the design of concrete structures. Examines the potentialities of concrete as a structural material, and the limitations imposed by its properties.

### **C03.305 Reinforced Concrete Design**

Practice is given in the design and detailing of a portion of a reinforced concrete structure, based on the theory in course C03.304. Design calculations and details are prepared for part of a building, which may form part of the 'design' course.

### **C03.306 Mechanics of Materials**

Stresses, moment distribution, eccentrically loaded piers, retaining walls, the testing of materials, stress-strain curves and their interpretation.

### **C03.307 Design of Timber and Masonry Structures**

Basic principles of the design of unreinforced and reinforced masonry and timber structures. Potentials of masonry products and timber as structural materials and the limitations imposed by their properties.

### **C03.310 Materials Science**

The relationships between the microstructures of materials groups and the properties apparent in real materials. The student is brought to an awareness of the restraints (properties, environments) on the use of materials.

### **C03.311 Structural Materials**

Properties, characteristics and application of some principal structural building materials: concrete, timber, brickwork; physical characteristics of combined materials.

### **C03.318 Introduction to Computers in Architecture**

A beginning course in the use and role of computers in architecture. Provides an overview of computer applications and the implications and use of computing in the architecture profession. Topics covered include: the digital computer, applications in an architectural office, the formulation of problems for solution by computer, an introduction to programming in the BASIC programming language.

### **C03.319 Computers in Architecture I**

A course on computer programming skills for architects and the development and operation of program systems. Topics covered include: programming style and design, program systems, a structured programming language.

### **C03.324 Computer Graphics in Architecture**

A beginning course in computer graphics. Topics covered include: graphics devices; line printer graphics; line drawing and plotter graphics; graphics transformations; elementary graphics data structures; passive screen graphics; interactive graphics; developing graphics software systems in architecture.

### **DESIGN**

The studio activity in Design is the core of the BSc(Arch) degree course. Over a three-year period students are brought into contact with a wide range of environmental design problems. Students are required to work both individually and in small teams on a progression of varied realistic environmental design tasks in which knowledge gained from study in other areas is integrated and applied. Studio tutorial groups are organised to suit tasks. Work and discussion in the studio is encouraged together with involvement with contemporary issues, actual clients, site inspections and field studies. Assessment is based on each student's portfolio of work carried out during each year.

### **C04.101 Design I**

Design I forms the nucleus to first year Architecture: on the one hand it assists in the transition from secondary school to university and on the other it offers an experience during which the mandatory subjects are given relevance. Its aims are: to introduce students to the environment in which the designer works; to introduce the basic tools of drawing, design methods and communication skills, with which ideas can be explored and expressed; to encourage the development of confidence, initiative and self-criticism in design.

### **C04.104 Integrated Design II**

Integrated Design II is a structured environmental design course which integrates other course material appropriate to the second year level.

A single or multiple design task within the broad environmental realm enables students to experience

the context of design from regional aspects through specific building design to specific component parts. These tasks encompass communications skills and require the integration of knowledge and techniques from other course areas. This course provides a framework for diversification into Elective Design areas.

#### **C04.106 Integrated Design III**

Integrated Design III is a structured environmental design course which integrates other course material appropriate to the third year level. A single or multiple design task within the urban environmental realm enables students to experience the context of design from urban aspects through specific building or conservation design to specific component parts. These tasks encompass more advanced communication skills and require the integration of knowledge and techniques from other course areas. Particular emphasis is placed upon urban design, medium scale construction, environmental sciences and working drawing.

This course provides a further framework for diversification into Elective Design areas.

#### **C04.105 Elective Design II**

#### **C04.107 Elective Design III**

Elective Design II and III present an elective choice from the design areas of urban, landscape, building, conservation and component design. This range is intended to provide a grounding for diversification or concentration in particular design areas for professional training in Architecture, Conservation, Town and Country Planning, Landscape Studies, Industrial and Interior Design. Students are required to pass two projects over two terms in each of the levels II and III. Overall this provides opportunities to experience four additional design methods, through working with skilled professional designers and teachers in a studio environment or in other locations over two years.

#### **C05.101 Art I**

#### **C05.102 Art II**

#### **C05.103 Art III**

#### **C05.104 Art IV**

#### **C05.105 Art V**

#### **C05.106 Art VI**

#### **C05.107 Art VII**

#### **C05.108 Art VIII**

#### **C05.109 Art IX**

Art offers a series of programmes in painting, sculpture, environmental sculpture, graphics, printing and print-making, photography, video, ceramics, jewellery, life-drawing, post-object art and art issues with the aim of assisting students to develop imagination and creative thinking, to heighten perception, to gain experience and insight into the process of evaluating, predicting and making judgements, to develop an ability to think and work in three dimensions, to develop communication skills, to heighten sensitivity to the environment and to increase awareness of the social and political implications of art.

#### **C05.201 Advanced Art I**

#### **C05.202 Advanced Art II**

#### **C05.203 Advanced Art III**

The Advanced courses would be offered in the following areas: painting and drawing, ceramics, screenprinting and photography. Details of these courses will be announced as they are offered.

The Advanced classes are for students who have undertaken at least two Art Workshop classes in a particular area and who, in addition to gaining good

grades in those classes, have gained a specialised knowledge.

Advanced Classes will be directed to second year and above.

#### **C05.110 Communications**

The course is designed:

(i) to develop in the student an awareness of the design and communication processes and their inexorable links;

(ii) to develop graphic skills and techniques;

(iii) to develop the basics of architectural drawing;

(iv) to involve the student in the use of techniques for evaluating his communication performance.

There will also be a one-term introductory course in freehand drawing and sketching.

#### **C05.119 Basic Drawing**

Mechanical drawing skills, suitable for describing objects and buildings in conventional drawing format. Students will be expected to work in the studio preparing drawings using typical drawing equipment and aids. The skills to be covered are orthogonal projection, which includes the plan, section and elevation; and three-dimensional projection, which includes isometric, axonometric and perspective drawing. Rendering techniques are to be applied to the perspective drawing. Some homework will be necessary.

#### **C05.120 Working Drawing**

This course is an extension of Basic Drawing, which develops experience in mechanical drawing skills suitable for application in professional practice. The work is conducted in the studio, as a simulation of office experience, when students will be expected to work 'on the board' preparing drawings. The skill experiences covered include tracing, measured drawing, detailing and preparing working drawings from sketch designs. Some homework and site inspections will be necessary.

#### **C05.112 General Elective A**

#### **C05.113 General Elective B**

#### **C05.114 General Elective C**

#### **C05.116 General Elective D**

#### **C05.117 General Elective E**

#### **C05.118 General Elective F**

Information on these courses is available from the faculty office.

#### **C05.115 APL Programming in Architecture**

This is a private study course offered to those students who wish to gain experience in the programming language APL. APL is an advanced interpretative language, its advantages being its interactive operation and the very powerful set of operators (functions) provided for array manipulation. The intention is for students to achieve a satisfactory competence with the language, the actual level achieved depending upon each student's previous computing experience, his or her understanding of the language and willingness to work. Efforts will be made to integrate the course with other course components should a student wish to do so.

### **BACHELOR OF ARCHITECTURE**

#### **C16.101 Architectural Design I**

The work for the year will typically require the submission of at least one design project for each of the three terms. The projects will normally involve working within specific constraints in each case. A typical

pattern may be, for example, in the first term utilising basic load bearing brick or masonry construction, in the second term small-scale steel or concrete frame structures, and in the third term exploring the architectonic, structural and construction aspects of larger clear-span spaces. These projects will be designed to provide a range of experiences in relation to urban and rural contexts, new buildings and recycling and alterations to existing buildings, and a wide variety of building types.

#### **C16.102 Architectural Design II**

During the final year the submission of one smaller project and one major two-term project is required. The latter typically will involve the resolution of a range of more complex issues—environmental, social and programmatic. As the project develops the students will be required to demonstrate ability to integrate structural and servicing requirements into the design, and to demonstrate knowledge of the construction of more complex structures. The one-term project offers students an opportunity to explore an area of particular interest or concern, usually related to a more specific area of their own studies.

#### **C16.201 Architectural Design Elective A**

#### **C16.202 Architectural Design Elective B**

These electives enable students to undertake additional design work to a maximum of over the two years of the degree. This may be related to an individually structured programme or for example to an architectural design competition sponsored by a professional institute. In all such cases application must be made for approval, setting out the specific educational objectives of the project, and the programme of work proposed.

#### **C18.301 Theory of Architecture**

The course has two purposes. The first is to explore and discuss the nature of architecture, and the timeless 'principles' or 'fundamentals' with which architecture is concerned. These include discussions of formal and spatial organisation, structure, materials, economy, and the context of works of architecture; regionalism, semiology, phenomenology, style and criticism are some of the conceptually more complex areas which will be introduced. The second is to propose a conceptual framework which will permit an examination of the present role and relevance to architecture of areas such as urban design, conservation, landscape architecture, and planning.

The lectures will be scheduled to immediately precede design studios so that discussion of issues raised can be pursued in the studio situation.

#### **C18.302 Current Architecture**

The lecture material focuses on current developments and debates in architectural theory and practice. Seminars are based on relevant readings and conducted as discussion groups concerned with achieving an awareness and understanding of contemporary issues in architecture.

#### **C01.130 Geometry, Number and Proportion 1**

The course traces the history of concepts of geometry, number and proportion from the Greeks, the Middle Ages and Renaissance to the present day. The meanings ascribed to number and ratios in various cultures will be examined, from the concepts of cosmological correspondence of earlier times to the contemporary aesthetic theories.

The lectures will show the relationship of architecture to music; the theory and application of the Fibonacci and Pell series; the Golden Mean; rational and irrational numbers; the Platonic solids in architecture and in dance; Renaissance concepts of perspective, harmony, scale and the rational use of number; and modern systems of proportion such as the Modular of Le Corbusier.

The course will introduce comparative materials from Egyptian, Greek, Roman, Romanesque and Gothic, Indian, Islamic and Chinese architectures.

#### **C01.131 Geometry, Number and Proportion 2**

This course presents a further development of themes introduced in Geometry, Number and Proportion 1, with emphasis on the use of geometry in the works of contemporary architects. The course will examine geometry, number and proportion as meaning systems and as an introduction to semiological theories of architecture.

#### **C01.132 Architecture, Myth and Symbol**

An analysis of the basic concepts of traditional architecture, as an introduction to a study of meaning in architectural forms. It examines the meanings that have been ascribed by diverse cultures to the centre, orientation, the basic geometric forms, and other elements of architecture forms. It shows how built forms embody and are determined by cultural meanings; it shows how they express myth and how they interrelate with other symbols, both verbal and plastic.

#### **C17.125 Mathematical Modelling in Architecture**

Mathematics is increasingly penetrating architectural studies. The built form, planning methodologies, the building process and studies of spatial organisation are more and more calling on mathematical techniques to further understanding and inquiry. The mathematical modelling of processes of interest to architects is the subject of this course. It presents a wide variety of tools and techniques, some originally used in the behavioural and social sciences, which provide the means to investigate these processes. It is intended that these tools will provide a sound basis for those students wishing to pursue further studies in the human-environment sciences, architectural psychology and social studies of architecture.

#### **C17.105 Design Media and Methods**

In architecture, as in other fields, the characteristics of the models and media used in design can influence both the process and the product. This course explores the concepts of models and systems theory as they relate to architecture, design proposals and design theory. It investigates some of the issues and difficulties in attempts to externalise the design process and the kinds of information that can be provided by descriptive, generative and evaluative models, particularly those used with computer-based design media.

#### **C70.101 Twentieth Century Landscape Movements**

See course description under Bachelor of Landscape Architecture.

#### **C18.102 History of Building Science B**

An examination of the history of architectural science in relation to general history and the histories of architecture and science during the 19th and 20th centuries. Topics covered include: the invention of steel and reinforced concrete construction, the development of rigid-frame theory, the mechanisation of structural design, the revival of three-dimensional structure,

new building materials and the industrialisation of architecture.

**C01.102 History of Landscape Architecture**

**C01.107 Nineteenth Century Architecture in Australia**

**C01.109 Theatre Design and History**

**C01.110 History of Building Science A**

**C01.113 Oriental Art and Architecture A**

**C01.114 Oriental Art and Architecture B**

**C01.119 Renaissance to Baroque Architecture**

**C01.120 History of Urban Design A**

**C01.121 History of Urban Design B**

**C01.122 The Modern Movement in Architecture**

**C01.124 Twentieth Century Architecture in Australia pre 1940**

**C01.125 Twentieth Century Architecture in Australia post 1940**

See course descriptions under Bachelor of Science (Architecture)

**C18.201 History and Theory Elective A**

**C18.202 History and Theory Elective B**

For these courses students are able, by means of private study and research, to explore in depth a selected topic.

**C14.301 Construction of Complex Buildings**

This course is designed to acquaint students with current techniques of non-academic scale construction and to exercise constructional decision making.

Topics studied include: foundations, footings, basements, structural selection, external walls, roofs, ceilings, internal walls, services integration, building plant and equipment, and site organisation. In each case, available options are presented and criteria for selection discussed. The course includes several site visits and students are encouraged to visit other sites and preferably follow the construction of a building.

**C14.302 Construction Applications**

This course is an opportunity to apply the knowledge gained in the previous year's Complex Buildings course to a suitable Design Studio project.

The course consists of tutorial and seminar sessions in the studio as well as general construction considerations, particularly aspects, such as waterproofing, durability and buildability will be dealt with in some depth. Submissions will include detailed drawings of components.

**C14.109 Materials and Methods II**

This course takes particular aspects of construction from the mandatory course and deals with them in greater detail. Typical aspects dealt with include: basement waterproofing, the detailing of wall cladding, flat roof construction.

**C03.210 Cost Planning and Control**

See course description under Bachelor of Science (Architecture).

**C14.110 Cost Studies**

Cost investigation of current constructional techniques with investigations of alternatives preferably related to current design projects.

**C03.216 The Building Industry in Australia**

See course description under Bachelor of Science (Architecture).

**C14.115 Technology and Economics Elective A**

**C14.116 Technology and Economics Elective B**

For these courses students are able, by means of private study and research, to explore in depth a selected topic.

**C12.301 Building Services Systems**

This course discusses the planning of the major services systems in large buildings, and their integration with the structural, constructional and functional planning considerations.

Topics covered include: preliminary planning of services and location of major plant items; impact of services decisions on building design; mechanical movement systems including space requirements, equipment and preliminary calculations; fire services and fire escape requirements; air conditioning systems, including types of systems and preliminary calculations of load and of space requirements for plant and ducts; energy conservation as it affects building design and plant selection; hydraulic services; electrical services; lighting installations and natural lighting; noise control.

**C12.302 Building Services Applications**

The material covered in the course Building Services Systems will be applied to a suitable design project in a design studio situation, with tutorial sessions.

**C12.102 Energy Systems**

A survey of energy sources—gas, electricity, oil, coal. Total energy. Economic considerations of energy uses. Air conditioning plant, ventilation plant, air conditioning control and systems economics. Noise and vibration in energy systems. The behaviour of alternating current in circuits and the concepts associated with phase relationships. The mathematics of alternating current, methods of generation and rectification, transformers, calculation of maximum demands, cable sizes, ratings, switchboards, fuses, circuit breakers, equipment and wiring rules. Electricity distribution, maintenance and control.

**C12.109 Energy Conservative Architectural Design**

This course is an exploration of the principles and technologies of energy-conservative architectural design; the integration of these principles and technologies into the formal language and aesthetics of architecture; the potential of using these principles to consciously create rich, dynamic enclosed environments which contribute to the sensory delight of architecture by an analysis of those primal environmental control mechanisms inherent in the form and materials of a building.

These objectives will be pursued in a series of lectures and seminars in which the technology of energy conservative architectural design principles will be established and various methods of analysis reviewed and utilised.

Students will be encouraged to evaluate solutions (both their own and built examples) using these analysis tools. The latent formal content of these principles will also be explored in a series of structured investigations.

**C12.110 Acoustics**

Advanced course in acoustics design including environmental noise assessment, sound isolation requirements in multiple occupancy buildings, room acoustics, control of external noise and noise from building services, acoustic legislation, regulations and standards, acoustic modelling and sound reinforcement systems.

**C12.113 Wind Effects on Buildings**

This course provides an historical background to the influences of wind effects on town planning and building design up to recent problems in urban centres. Common problems are identified and current acceptable design criteria are provided. Basic fluid mechanics associated with airflow around buildings is outlined together with its limitations. Wind tunnel techniques are described and students perform simple wind tunnel studies and report on them as an assignment. Wind loads are studied in relation to the current wind load code as well as special design problems in areas affected by tropical cyclones. Methods of estimating natural ventilation are provided as well as basic data related to wind powered generators.

**C12.120 Introduction to Lighting Design**

This course follows the lighting component of C02.315, its prerequisite, and introduces the concepts of lighting design. Those who wish to gain a more detailed knowledge of interior lighting design are encouraged to take the subject C12.121 Interior Lighting Design I and C12.122 Interior Lighting Design II in addition, or with some private study, as alternatives. A review of previous material is followed with a treatment of luminaires, the flux method of design, glare, codes of practice, other design and appraisal methods. Practical design guides will be given.

**C12.124 Solar Energy and Passive Design**

The need for sunlight and for the exclusion of sunlight. Problems of overshadowing and reflection. The nature of solar radiation, and means for its collection, conversion, storage and use. Effects of orientation and latitude on the availability and use of solar energy. Economics of solar energy. Principles of passive and active solar energy usage in buildings.

**C12.203 Environmental Physics and Building Services Elective A****C12.204 Environmental Physics and Building Services Elective B**

For these courses students are able, by means of private study and research, to explore in depth a selected topic.

**C13.301 Architectural Structures and Materials**

The implications of the choice of a structural system on the design and construction of buildings significantly larger than domestic scale, and some of the properties of materials relevant to their use in buildings.

The course includes a comprehensive overview of structures for tall buildings from both the structural and construction points of view, including structural systems, vertical and horizontal loads, approximate methods of analysis and design for strength and stiffness, and the relationship between design and construction.

Foundations are discussed with an introduction to soil types and properties, soil testing methods, the behaviour of foundations, types of footings available and methods of designing and constructing them.

There is a description of the use and durability of glass, concrete, metals and plastics in buildings, including surface finishes of concrete, waterproofing membranes, methods of designing and waterproofing joints, and the types of glass and their applications in building.

**C13.302 Architectural Structures Applications**

The material covered in the course Architectural

Structures and Materials will be applied to a suitable design project in a design studio situation, with tutorial sessions.

**C13.110 Selection of Structural Form**

Difficulties in the selection of structural form for buildings where the structure presents special problems, because of large interior spans or because the building is tall.

The course will be introduced by four hours of lectures. The class will then divide into groups of two or three students, each group to work on a different project. During seven two-hour sessions each group in turn will present its proposals to the entire class for discussion. The loads on the structure, the choice of the structural system, and the selection of structural materials, will be considered, and approximate structural sizes will be calculated.

**C13.111 Structural and Environmental Systems**

The systems approach to structural design, and interaction with environmental system, with particular reference to passive solar design. Discussion of structural systems available for various occupancies. Choice of the structural system for a given building type and span.

The course will deal with buildings from the domestic scale to multi-storey buildings, and buildings with long spans.

**C03.303 Structural Steel Design****C03.304 Reinforced Concrete in Buildings****C03.305 Reinforced Concrete Design****C03.307 Design of Timber and Masonry Structures****C21.206 Model Analysis**

See course descriptions under Bachelor of Science (Architecture) and postgraduate courses in Architectural Science.

**C13.203 Architectural Structures and Materials Elective A****C13.204 Architectural Structures and Materials Elective B**

For these courses students are able, by means of private study and research, to explore in depth a selected topic.

**C15.301 Contract Documentation**

This course covers the production of contract drawings, specifications and cost estimates. Within these main contract documentation tasks the course deals with trades, schedules, prime cost and provisional sums, and bills of quantities, where the assignments will be based on the buildings designed in term I of Year 5.

**C15.302 Professional Practice**

The aim of the course is to ensure that the students obtain a sound introduction to current contract management practice especially as it applies to:

- (1) the responsibilities of architects to clients;
- (2) the systems in current use in implementing contract management processes involved in architectural practice;
- (3) the recognised contract procedures available within the construction industry.

Topics covered include: the regulation of the profession; a brief overview of the construction industry; consultants (selection, engagement, coordinating and responsibility); liabilities, disputes and arbitration; copyright and ownership; insurances (contract and professional liability); modes of practice, conditions

of engagement, fee structure and hourly rates; client meetings and briefings; site and authority investigations; components of contract documentation; pre-contract management; contract selection and comparisons; and contract administration.

#### **C15.206 Architectural Office Management**

An introduction to management practices and systems that are appropriate to an architectural office. Covers general business principles, profit planning, costing and pricing, expense budgeting, liquidity forecasting, programming of the design team, job programming and resource scheduling within the office and management information for control of a practice as a business.

#### **C01.212 Building Contract Law**

See course description under Bachelor of Science (Architecture).

#### **C01.213 Information and Documentation Theory**

See course description under Bachelor of Science (Architecture).

#### **C15.210 Management Elective A**

#### **C15.211 Management Elective B**

For these courses students are able, by means of private study and research, to explore in depth a selected topic.

#### **C11.104 Building Programming Documentation**

This course familiarises students with the existence of, and necessity for, pre- and early design-related reports in architectural practices, with particular emphasis on organisational programme requirements, feasibility studies and functional briefs.

The course begins by providing the context and range of reports produced and examines their compilation, contents and use in terms of data and decision making during the process of project planning. It continues with a detailed study of material required from the following areas: socio-political/economic, market, organisational, functional, environmental, regulatory, financial and physical. It concludes with the interrelationship between reports and design solutions; data retrieval of an organisational, functional and psychological nature from post-occupancy evaluations. It also examines the reports needs and effect on office labour power and finance.

Assignments where possible will be related to Architectural Design projects.

#### **C11.105 Master Planning**

The second part of the course will be conducted as individual tutorials to assist the production of the assignment and where possible will be related to the design course.

The aim is to familiarise the student with the existence of and need for master plans for single buildings and complexes.

The course begins by dealing with master plans, their scale and context; shapes and their characteristics; building forms and the limits of their behaviour and site studies, including building disposition, their forms and implications, obsolescence, internal traffic patterns and the influence of acquisitions. This is followed by a study of phasing, including growth and change-flexibility; the behaviour of complexes under administrative, functional and physical stress including obsolescence, and their effect on structures, mechanical engineering and traffic patterns. Alternatives are then examined in terms of change, time, space,

activities, monies, priorities and policies and human scale, on associated charts, buildings, grids, zoning diagrams, costs and aspect value grids and three-dimensional positioning. The first part of the course concludes with costing and control for master plans through design and construction including suitable forms of contract, and with a review and outline for assignments and the relationship to the course Building Programming and Evaluation.

#### **C11.109 Building Design Practice**

By use of the case study method in which individual projects are discussed, the course examines the way in which the intentions of clients and architects are translated into built form in practice. A series of projects currently at various stages from design to completion will be examined. The architect responsible will describe the various factors which led to the specific form of the building.

The building types discussed will range from major commercial office buildings for public authorities to small scale buildings for community use.

Architects presenting their projects may be accompanied by other specialist consultants involved in the design of the building and, in some cases, clients may also take part.

A second segment of the course will consider the community context in which the architect works, including his relationship to statutory professional and building industry organisations.

#### **C11.110 Environmental Impact and Evaluation**

The course commences with a review of current research and methods applicable to appraisal of the built environment and continues with appraisal tasks and reports on environmental impact statements, concluding with application either of findings in building appraisal or principles of environmental impact statements to a specific design project to carrying out guided research to formulate a design brief relative to the users of the build environment.

#### **C17.121 Statistics II**

This course is primarily intended for students wishing to pursue further study in architecture, particularly in the man-environment studies area. It presents the theoretical basis behind the more advanced tools presented in the introductory statistics course, and develops these further.

#### **C11.111 Specific Building Type Studies**

This course provides the opportunity, by means of lectures and assignments, to study in depth one of a number of building types. The lectures for each type will cover the history and contemporary design state of the building, the social, political, organisational and functional aspects of data required for design, and a study of different solutions for the building type. The building to be studied will vary from year to year according to the expertise available to the Department.

#### **C11.211 Building Programming and Evaluation Elective A**

#### **C11.212 Building Programming and Evaluation Elective B**

For these courses students are able, by means of private study and research, to explore in depth a selected topic.

#### **C17.124 Computer Applications in Architecture I**

The selection, installation and management of computer systems in architectural offices. The course de-



scribes system analysis and design, relations with the computer industry, and the design and modification of buildings for computer installations. It describes approaches to communications and networks, ergonomics and workstation design, and the integration of computer services in a design office.

#### **C17.123 Knowledge Engineering**

Knowledge engineering is that subset of artificial intelligence concerned with the computer-based representation and manipulation of knowledge in symbolic form. It is of direct relevance to the future of computing in architecture and building. This course covers the fundamentals of knowledge engineering, their application in general inference systems and expert systems and the application of these systems in architecture and building. Topics covered include the following: knowledge and expertise; knowledge representation and inference; expert systems; working expert systems; and constructing knowledge bases.

#### **C17.126 Architectural Computing Elective A**

#### **C17.127 Architectural Computing Elective B**

For these courses students are able, by means of private study and research, to explore in depth a selected topic.

#### **C03.318 Introduction to Computers in Architecture**

#### **C03.324 Computer Graphics in Architecture I**

#### **C03.319 Computers in Architecture I**

#### **C05.115 APL Programming in Architecture**

See course descriptions under Bachelor of Science (Architecture).

#### **C24.002 Computers in Architecture 2**

#### **C24.005 Computer Graphics in Architecture 2**

#### **C24.404 Knowledge Engineering 2**

See course descriptions under postgraduate courses in Architectural Science.

#### **C18.201 Conservation of the Built Environment**

This course is intended to introduce students to the philosophies and accepted professional standards of practice of the conservation of the built environment in Australia. Students are encouraged to develop skills in historical research, documentary recording techniques, the analysis and interpretation of physical fabric, the assessment of cultural significance and the formulation of sound conservation policies and programmes. The course will include specialist lecturers, seminars, numerous site visits and excursions and tutorials.

(An Advanced Study Report (Conservation) may be undertaken on an approved Conservation topic, to supplement this course.)

#### **C19.201 Advanced Study Report I**

#### **C19.202 Advanced Study Report II**

#### **C19.203 Advanced Study Report (Conservation)**

Only one course of Advanced Study may be taken in any year.

Students are encouraged to prepare a report based upon indepth study in a specialised area, normally during the third year of the degree. This may be either an individual study programme, or be taken concurrently with the Conservation of the Built Environment course in the case of the ASR (Conservation).

This work provides an opportunity for training in research, analysis and documentation of material in a systematic academic format. Advanced Study Reports do not in themselves consist of architectural design work or art work, but may be very closely related

to, and supportive of, the process of design and production of works of art.

Successful completion of an Advanced Study Report is a prerequisite to the award of an Honours Degree.

#### **C17.113 Art X**

#### **C17.114 Art XI**

#### **C17.115 Art XII**

#### **C17.116 Art XIII**

#### **C17.117 Art XIV**

#### **C17.118 Art XV**

See note under Bachelor of Science (Architecture) courses C05.101 to C05.109.

#### **C17.213 Advanced Art X**

#### **C17.214 Advanced Art XI**

#### **C17.215 Advanced Art XII**

See note under Bachelor of Science (Architecture) courses C05.201–C05.203.

#### **C70.210 Theory and Practice of Landscape Design**

Discussion of the traditional theories of landscape design as outdoor living spaces for people, and the changing attitudes of society towards conservation, environmental design and landscape management. Examination of landscape design as a conscious arrangement of forms and spaces for use and pleasure, and an understanding of the qualities and characteristics of the material available, and the techniques applicable, for creating new landscapes. Introduction to concepts and methodologies of landscape evaluation.

#### **C70.502 Planting Design**

For course description refer to Bachelor of Landscape Architecture courses.

#### **C70.202 Landscape Architecture Elective A**

For this course students are able, by means of private study and research, to explore in depth a selected topic.

#### **C32.101 Planning and Architecture**

This course will explore the impact of current planning philosophies and planning practice on building development and design in New South Wales. The first part of the course will outline contemporary planning issues and literature, while the second part will focus on the specific role and operations of planning and related authorities. The learning mode will emphasise seminars, and assessment will be by case studies and assignment.

#### **C32.102 Town and Country Planning Elective A**

For this course students are able, by means of private study and research, to explore in depth a selected topic.

#### **C01.121 History of Urban Design B**

#### **C01.122 The Modern Movement in Architecture**

#### **C01.124 Twentieth Century Architecture in Australia pre 1940**

#### **C01.125 Twentieth Century Architecture in Australia post 1940**

See course descriptions for the above courses under Bachelor of Science (Architecture).

#### **C18.101 Conservation and Restoration Programme**

The aims of the programme are to contribute to the conservation of Sydney's environment, and to engage students in a sound analytical enquiry into aspects of the built environment and the preparation of design

documents for the rehabilitation of existing structures. The course will include lectures, seminars, historical research and documentation, and design proposals. The final submission will be in the form of an advanced study report.

**C19.101 Advanced Study Report I**

**C19.102 Advanced Study Report II**

**C19.103 Advanced Study Report III**

**C19.104 Advanced Study Report IV**

Information on these courses is available from the faculty office.

## **BACHELOR OF LANDSCAPE ARCHITECTURE**

### **C70.101 The 20th Century Landscape Movements**

An examination of the 'modern' landscape styles that have influenced current landscape design theories. The course traces the development of the landscape profession from around 1900 to the present, and compares the distinct styles that have evolved in regions such as North America, South America, Mexico, Europe, Middle East, Asia, Pacific Islands and Australia. The work, writings and design philosophies of selected landscape architects are studied and analysed to determine their appropriateness to specific regions.

Students are expected to make extensive use of the wide range of literature, especially current serials, and audio-visual material available in the library to supplement lectures and to make a major contribution to class discussions.

### **C70.201 Theory and Practice of Landscape Design**

Discussion of the traditional theories of landscape design as outdoor living spaces for man, and the changing attitudes of society towards conservation, environmental design and landscape management. Examination of landscape design as a conscious arrangement of forms and spaces for use and pleasure, and an understanding of the qualities and characteristics of the material available and the techniques applicable, for creating new landscapes. Introduction to concepts and methodologies of landscape evaluation.

### **C70.301 Environmental Perception**

Environmental perception is the first level of a complex series of phenomena resulting in human experience of environment. The course seeks to set up a model of environmental perception, cognition and effect, against which the importance of understanding basic sensory processes, experience of dimensionality and the complexity of experience of the world including all senses can be seen. In this way the interaction of present with past experience and the resultant emotional and aesthetic responses can be shown as a complex visual and sensory experience overlaid by individual, group and cultural differences. In addition, research in the general environmental perception and particularly landscape perception areas is examined, and related both to the model described above and to means of developing design and assessment methods. In particular the seminar/tutorial series addresses itself to two central issues: is the experience of landscape completely individual, and how can landscapes be studied so as to illuminate similarities and differences?

The course focuses on ways of revealing how people structure their experience of their environment in terms of inputs from the sensory, particularly visual, systems, and the ways in which that structure reveals cognitive processes of special relevance to landscape assessment.

### **C70.302 Environmental Philosophy and Ethics**

The course examines the responsibilities of managers of the environment in terms of the moral and ethical questions posed. By operating as professional designers and planners, landscape architects, architects and planners intervene in the operations of society, future generations and the natural world, and bear a responsibility for their actions.

The course adopts environmental problems and case studies as a means of considering the philosophic and ethical bases for decision making in environmental management. Students are expected to gain insight into the traditional sources of philosophic ideas and the history of ideas in modern environmental philosophy, and to demonstrate ability in researching and constructing arguments on the relevance of these ideas to environmental design and planning.

### **C70.401 Landscape Assessment**

A course dealing with landscape assessment and planning from an ecological perspective. Topics include introduction and historical perspective, the ecology of landscape, environmental resources: their distribution, classification and evaluation; landuse and resource management, hierarchies of landuse, landscape assessment tools and techniques, and consideration of particular methods of landscape assessment.

Practical work is coordinated with landscape design studios—guest lecturers contribute material on remote sensing, computer applications, the cultural landscape and particular assessment methods.

### **C70.501 Landscape Construction**

Emphasis on site investigation techniques, surveys and data collection, earthworks, natural and artificial drainage, surfacing with hard materials, design and construction of simple structures, design and construction of water features. Specifications.

### **C70.502 Planting Design**

Emphasis on plants as design elements. Historical review of traditional and modern uses of plants. Aesthetic and environmental uses of plants. Problems and opportunities associated with specific sites. The need for temporary and permanent planting. Maintenance and management techniques and policies. Specifications, availability, specialist nurseries, selection process, schedules.

### **C70.601 Landscape Field Course I**

An extended field excursion (1 week) to allow students to experience a range of different landscape types (arid, alpine, tropical) that are in marked contrast to the Sydney region. Fieldwork will include a study of natural systems, measuring and recording biophysical data, observing and recording landscape perceptual qualities and assessing the impact of certain land uses.

### **C70.602 Landscape Field Course IIA**

An extended field excursion (1 week) to allow students to examine and evaluate a region of major importance in terms of regional landscape design. Examples would be Canberra, Albury-Wodonga, Bathurst-Orange. Fieldwork would be integrated with a studio design project.

### **C70.603 Landscape Field Course IIB**

An extended field excursion (1 week) designed to give students an opportunity of examining large-scale land management operations such as agriculture, forestry, mining, power generation, recreation, water storage

etc. Emphasis would be on multiple use of land, staging of operations, short and long term uses and landscape conservation and rehabilitation needs. Fieldwork would be integrated with a studio design project.

#### **C70.701 Landscape Design I**

A series of individual and group projects over a three-term period. Projects will range in scale and complexity from private domestic gardens to public open space associated with urban development recreation areas and institutional buildings. Real-life projects with client participation will be encouraged.

#### **C70.702 Landscape Design IIA**

A similar approach to that employed in Landscape Design I and building upon this experience. Emphasis will be on designing at a larger scale, with one project involving group participation on a regional scale (e.g. State Recreation Area) with multidisciplinary inputs.

#### **C70.703 Landscape Design IIB**

A multidisciplinary approach to a large-scale design problem in which students will evaluate visual and biophysical qualities and, within a range of development options, identify the areas of expert knowledge required by the decision-making machinery, and integrate design expertise with this.

### **DIPLOMA IN TOWN AND COUNTRY PLANNING MASTER OF TOWN AND COUNTRY PLANNING**

#### **C30.003 Quantitative Methods**

This course comprises basic statistical techniques of description and inference, leading to prediction through regression analysis together with the use of a computing package (MINITAB) in such analysis. Also covered are survey design, discounting and demographic projection.

#### **C30.002 Mathematics for Planning**

An introduction to the basic mathematics required for planning. This short course will cover functions and their diagrammatic representation, elementary calculus, functions of general variables and constrained maxima and minima.

#### **C30.010 Introduction to Planning**

This course introduces a selection of literature, which will be critically reviewed to identify theories and concepts relevant to understanding urban and regional planning in both developing and industrialised countries.

Consideration of the history and philosophy of the evolution of contemporary planning practice will precede a study of planning theories drawn from urban politics, development studies, sociology, political economy, geography and urban studies.

#### **C30.011 Planning Law**

Intended to give a comprehensive understanding of all the legal materials under which planners may have to work and which they themselves may have to prepare. These include statutes, subordinate legislations (ordinances etc.), court and tribunal decisions and council codes. As part of this study there will be consideration of the legal relationship and power of various decision making bodies, ranging from the Australian Government to local councils.

#### **C30.012 Economic Theory in Planning I**

An introduction to the concepts and theories used in any process of evaluation in planning.

#### **C30.016 Planning Processes and Procedures**

This course gives a basic understanding of the environmental planning process. The preparation and implementation of planning policies and planning instruments will be examined within the context of the Australian legislative framework, the machinery of government and the implications for finance.

Students will be expected to develop a basic working knowledge of the local regional and state planning processes including the procedures and practice for environmental studies, environmental and social impact assessment and development control.

#### **C30.050 Urban and Regional Development Planning I**

Introduces the major social economic concepts of development, regional development theories and contemporary theories of urbanisation. It examines theories and their underlying assumptions from several disciplinary perspectives and application of policy to both high and low income countries.

The objectives are to provide a basis for the critical examination of regional theories and applications, and to enquire further into those theories that might better account for past conditions and explain the present operation of urban and regional systems.

#### **C30.051 Urban Land Economics I**

The nature of land resources; interaction of land, labour, capital and management; land capacity and efficiency; theory of rent; relation to value and spatial allocation of land uses, real estate market; project feasibility; finance for planning schemes; land taxation and valuation.

The course also outlines the institutional frameworks within which planners and developers, both public and private, pursue their related roles. Planning and other controls that affect land—for example those concerning tenure and taxation—are described; their impact on land use, intensity of use and value of land is investigated.

#### **C30.052 Public Economics I**

A comprehensive survey of theories underlying the production of optimal plans in a spatial setting, and evaluation of planning practice in this context. Particular emphasis is given to the theories of local public goods and the implications for optimal spatial arrangements, and environmental policy. Examples of the former include the provision of roads, public transport, public recreation space, health and education and, for each, the appropriate level of provision. Examples of the latter are appropriate policies: to reduce air and water pollution, to determine the optimal depletion rate of exhaustible resources, to encourage visual amenity, and to offset the harmful effects of externalities such as traffic congestion. Some conventional approaches such as tax/subsidy schemes, direct incentives, zoning regulations and minimum standards are examined taking particular note of constraints imposed by existing institutional arrangements.

#### **C30.053 Urban Policy and Planning**

This course critically reviews literature on planning theory, policy analysis and evaluation and considers its relevance to practice. Procedural and methodological aspects of planning are emphasised, and the

limitations and scope for systematic approaches examined. It relates theoretical concepts to the organisation, administration and management of planning within the public sector.

#### **C30.054 Physical Planning I**

The aim of this course is to develop an understanding of the interactions between types and intensities of land use, transportation and the physical environment.

#### **C30.114 Public Administration in Planning**

An analysis of the Australian public administrative system, its components and their interrelationships specifically related to the formulation and implementation of public policy within the context of town planning. The course deals with public administration concepts, principles and techniques and views the public administrative machinery as a tool to aid the formulation and implementation of public policy.

#### **C30.115 Management Practice in Planning**

The course looks at management concepts, principles and techniques across the range of management functions of planning, leading, organising and controlling. The achievement of town planning objectives at all levels requires considerable skills in coordinating inputs from a wide range of specialist professional-technical advices and in operating administrative and bureaucratic systems. This course is seen as a follow on course to 'Public Administration in Planning' and aims at developing an understanding of and skills in management within the individual.

#### **C30.119 Urban Policy and Planning II**

This course reviews literature and case studies on urban policy and planning. The significance of political, institutional, managerial and financial factors for policy formulation and implementation are emphasised.

#### **C30.219 Introduction to Computing in Planning**

This course comprises three modules: (i) BASIC programming, with planning applications, (ii) SIR/CENSUS—a mainframe database package utilising spatial aggregation of CENSUS data, and (iii) use of micro-computers in planning—spread-sheet, graphics, database and specialised planning software. The teaching of this course is largely by a 'hands-on' approach.

#### **C30.225 Programmable Calculator Applications in Planning**

This course teaches how to structure problems for programming on calculators and provides practical support for other courses in the department that use numerical methods. On completion, students will be able to greatly increase their efficiency in undertaking project work.

#### **C30.306 Environmental Systems**

The course addresses the dynamic interrelationships found in man-environment systems. It analyses the criteria for the location of human activities and settlements; the processes in which man both seeks to conform to his environment and attempts to adjust it to his own needs and wants; and the salient characteristics of urban and regional environments. Environmental impact statements will analyse further the effects of human intervention in the natural environment.

#### **C30.313 Physical Planning II**

The aim of this course is to develop skills in the planning and organisation of complex associations of land use. Residential, industrial, commercial, recreational and institutional uses are studied independently, in relation to each other and in relation to the physical environment. Skills in the use of zoning and other instruments as policy tools are developed.

#### **C30.314 Urban Design**

The aim of this course is to develop skills in the application of design criteria to planning. The emphasis is on the translation of policy into design criteria, the formulation and evaluation of design proposals and on developing skills in the use of statutory and other instruments to achieve urban design objectives.

#### **C30.315 Transportation Planning**

This course begins with an overview of the evolution of main ideas and methodologies relating to transportation planning. Literature addressing economic engineering, urban design, environmental, geographical and social aspects is reviewed. The significance of transportation is one factor influencing the growth of settlements and the form of urban development is discussed. The latter section of the course emphasises current approaches. Traffic generation, trip distribution, assignment and modal choice models are introduced. Simple problems are analysed to illustrate their application. Important skills and understanding for preparing physical plans are developed.

#### **C30.317 Environmental Design**

The course provides the opportunity to apply problem definition, analysis, evaluation and implementation skills to a project of neighbourhood scale. It includes the application of skills in the preparation of a planning brief, in the costing and evaluating of alternative proposals, in the preparation of detailed physical plans and development control instruments.

#### **C30.319 Settlement Development Processes**

The course considers the process of human settlement as a consequence of development forces and environmental conditions, set within an historical context. It examines entire settlements and their support resources, their physical structure, technology and services in relation to issues such as rate of settlement growth and degree of self-sustainment. The processes are then examined in relation to settlement policies, drawn from both industrial and transitional societies.

#### **C30.320 Conservation Planning**

The course has three aims: firstly, to identify the cultural significance of historic places in urban and regional contexts; secondly, to analyse the interaction between heritage studies and the requirements of environmental plans, and to further their integration; thirdly, to examine the various legal and institutional systems for heritage conservation at various scales — NSW, Australian and international.

The course includes professional guidelines for conservation procedures; conservation plans for the Australian states; the documentation of the National Estate and policies for the protection of cultural resources; legislation and planning incentives; conservation management and the implementation of conservation policy.

Studies will include the preservation and renovation of historic areas and the re-use of historic places in urban areas. Case materials will illustrate Australian (European and Aboriginal) and international conservation experiences.

**C30.419 Economic Theory in Planning II**

This lecture course elaborates upon the concepts and theories used in planning evaluation. The concepts are from modern microeconomic theory. Throughout the course there will be an emphasis on the application of the concepts to practical problems. A number of projects in urban planning, transportation and the social sciences will be examined in terms of assumptions, methods used for obtaining information from data analysis and the relevance of the information to different types of problems.

**C30.420 Economic Theory in Planning III**

The aim of this course is to develop an understanding of, and skills in the modelling and predicting of the effects of changes to, the determinants of the spatial distribution of urban activity. The concept of optimum or market equilibrium land use is developed through the use of the mathematical techniques of optimisation, comparative statics and the calculus of variations.

**C30.422 Planning Law II**

The aim of this course is to extend the spatial focus of planning law and to introduce students to law concerning the regulation of externalities and the provision of public goods in a non-spatial context. More generally it presents law as an instrument of broad public policy and planning, with some emphasis on legal techniques for state correction of market failure. The course does not present the theoretical foundations of such law, but treats the law as a means of implementation of policy, law being the principal means by which policies are brought into effect. Particular laws that are considered are in the areas of taxation, social welfare, economic regulation and public administration.

**C30.423 Planning for Rural and Resource-Based Communities**

The planning and governance of rural communities in Australia presents a particular set of key problems and development priorities. Many of these issues are reflected in new sets of legislative measures at both Commonwealth and state levels to coordinate and manage the environmental and human impact of resource projects, environmental conservation and national parks, and the land and other rights of rural people. The focus of this course is (a) the government and planning of remote resource development, and (b) the rural planning situation faced in more settled, agrarian, parts of the country where the emphasis shifts to problems of rural decline, the demography of rural population mobility, and the impact of resources development on existing settlements. The overall theme explores feasible and desirable levels of local autonomy under these circumstances and the operation in practice of a wide range of policy instruments.

**C30.517 Social Impact Assessment**

Impact assessment methodologies and analytical techniques appropriate to analysing alternative programmes and policies; use of social indicators, survey analysis, social profiling and other group assessment techniques. Emphasis on application and group work.

**C30.518 Housing and Planning**

An introduction to housing policy in Australia. Lectures cover the central concepts in the housing literature with particular emphasis on the problem of urban housing and the policy responses as they are expressed by some of the main actors. These are the public sector

represented by federal and state agencies; the private commercial sector, and the popular sector represented by the voluntary organisations.

**C30.519 Management of Urban Change**

This course provides an opportunity for the study of the social and political context within which planning is practised. It focuses on the interaction between social processes and spatial policy by examining the role of the major participants in the planning process.

**C30.520 Development Control**

The aim of this course is to provide a basic understanding of development control practice and procedures. Following an initial consideration of the philosophy of control, students undertake the analysis of selected case materials drawn from local and state governments to examine the relationship between control and policy and to appreciate the significance of the organisational and procedural elements of development control practice.

**C30.608 Urban and Regional Development Practice**

This course emphasises the planning responses to the problems and aspirations of developing societies. Lectures cover administrative and institutional systems, the work of planning agencies, plan documents and case study material.

**C30.615 Urban and Regional Development Theory II**

The study of comparative urbanisation permits further enquiry into those theories that might better account for past conditions and explain the present operation of the urban system. The first part of the course examines contemporary theories of urbanisation from several disciplinary perspectives. The second part focuses on the major policy areas of migration, employment and housing with an emphasis on the cities of newly industrialising societies and conceptualisations of the informal sector, leading to the prescription of appropriate plans and policies.

**C30.801 Case Study A****C30.802 Case Study B****C30.803 Case Study C****C30.804 Case Study D****C30.805 Case Study E****C30.810 Study Report I****C30.811 Study Report II****C30.812 Study Report III****C30.210 Dissertation**

The dissertation is seen as an original investigation on a subject proposed by the student and approved by the head of the Department of Town and Country Planning.

**C31.704 Thesis****MASTER OF LAND ECONOMY  
DIPLOMA IN LAND ECONOMY****C80.101 Law in Land Economy I**

An introduction to the constitutional framework of law-making in Australia and to Anglo-Australian property law with emphasis on real property (particularly fragmentation of proprietary interests, systems of title, land transactions, introductory torts law). This is followed by a coverage of the principal areas of the public regulation of private landholdings.

**C80.102 Law in Land Economy II**

This course builds on the foundation of C80.101 Law in Land Economy I in extending the focus of the interaction, within the law, of private interest and public regulation beyond a purely land-based area. In doing so it provides an introduction to the basic features of contract law relevant to the study of land economy and material on the legal techniques of public regulation of land-based and non-land-based activities including standards setting, licensing and bureaucratic discretions.

Students will be expected to have read an introductory text on land law.

**C80.201 Land Economy I**

The subject covers the area traditionally known as microeconomics. The aim is to provide a consistent theoretical framework for problems in land economy. The course concentrates on aspects of economic theory which are regularly used in the analysis of policies controlling property rights and land values.

The course begins with partial analyses of consumer equilibrium and the application of utility theory to public pricing policy. Next, the producer and the properties of competitive and imperfect markets are examined. Finally, in the partial equilibrium analysis, factor markets on both the demand and supply sides are considered. This completes the rules for positive economic analysis. The subject then proceeds to the policy implications or normative domain of land economy and examines such issues as the role and appropriate forms of government intervention.

**C80.202 Land Economy II**

The economics of land resource use, including the following topics: the economic and institutional characteristics of land and landed interests; the proprietary land unit as an organising concept. The theory of resource allocation and land use determination; implications of competitive markets; the concept of highest and best use and its limitations. Relationship between rent, income and resource allocation. Imperfections in the real estate market: competition, monopoly, social costs.

Attention is then turned to productivity analysis, investment rationale and demand determinants for the major types of land use. Principles of valuation of landed interests, valuation tables, project feasibility and data sources. Taxation of land resources; economic functions of ownership.

**C80.203 Land Economy III**

This course aims at fusing the law in relation to property rights in land with economic theory. Law defines conduct among people concerning rights pertaining to all scarce goods including land. Market transactions are not so much in land itself but in the rights attaching to it. The bundles of rights attaching to goods define the use to which they may be put, their value and the terms of trade. Given a change in the legal definition of rights, the character of goods also is changed and a new distribution of welfare follows. Thus the profile of rights directly constrains the economy's productive capacity and, in a welfare context, the efficiency and distribution of society's scarce resources. By defining the existing structure of property rights and those affected by alternative policies, the institutional context within which the resource allocation problem resides is more completely specified.

The recognition that different profiles of rights can be endowed by different societies means that analysis need not solely assume profit maximisation in private

firms or unconstrained welfare maximisation in the context of government policy. The inclusion of property rights makes possible the analysis of the inter-relationships between institutional structures and economic activity.

The course will investigate the major strands developed in the literature on the economics of property rights and will present a number of case studies developed within this framework.

**C80.204 Accounting Principles in Land Economy**

An introduction to the data requirements of various economic decision models. Those data requirements will, to a large extent, be satisfied by the output of accounting systems and various forecasting techniques. Therefore, accounting and forecasting will be introduced as service functions. Conventional accounting reports will be analysed to establish their relevance to and reliability for decisions, the emphasis will be placed on the need to distinguish the factual from the non-factual components of accounting reports. Recording techniques, the principles of double-entry bookkeeping and computer-based systems will be dealt with only insofar as they enable the students to evaluate the quality of the output from the accounting system.

Current proposals to overcome the acknowledged defects of conventional accounting methods will be discussed briefly, and evaluated in terms of their relevance to decision-makers both within and external to the accounting entity (government or business).

The significance of knowledge of present financial position, and the usefulness of past financial experiences as a basis for predictions of the outcome of future actions, will be emphasised.

Students who have not studied accounting previously will be expected to have read an introductory text before commencing the course.

**C80.301 Applied Statistics in Land Economy**

Topics in survey design, the use of questionnaires, applications of multiple regression and the analysis of time series data.

**C80.302 Mathematical Methods in Land Economy**

The objective is to develop skills in optimisation. The primary technique covered is linear programming and some of its extensions. Examples, definitions and statements of the principal theorems will be followed by a treatment of linear algebra, the theory of linear programming and applications to the solution of land-based problems.

**C80.303 Property Investment Analysis**

Related areas of the mathematics of finance and project evaluation. Extensive use will be made of case study materials. The mathematics of finance segment will include topics such as discounting and compounding, methods of investment appraisal and their comparison; the cost of sources of capital; project analysis under alternative financing policies; risk analysis and optimal financing.

The project evaluation segment will commence with an outline of the conditions under which decisions are made: the satisfaction of single and multiple criteria, with and without time horizons and under conditions of certainty and uncertainty. Attention will be on four of those eight combinations: certainty, single criterion, no time horizons (the trade-off situation); uncertainty, single criterion with no time horizons.

Decision and benefit-cost analyses will be considered in relation to project evaluation.

Students will be introduced to structuring more complex problems into forms suitable for evaluation. Attention will be given to analysing sensitivity to changes in criteria and information. This will be followed by an introduction to searching methods for 'best' solutions such as scheduling capital outlays to minimise net outflows. Limitations of formal approaches and difficulties with evaluation will be discussed.

#### **C80.401 Introduction to Planning**

The major aim is to encourage a critical evaluation of the nature of planning. This is achieved by a structured review of literature and the analysis of case materials to develop a basic understanding of the social and political processes that provide the context for planning activity and the legal and institutional arrangements that structure the practice of planning.

#### **C80.501 Comparative Land Policy**

An outline is given of the main perspectives developed by social theorists concerning the right and proper form of property in land and the source of the authority whereby property rights are held. Juridical theories of property are reviewed, with attention to the powers associated with property rights. The differences in principle underlying a classification of tenurial systems are discussed. A review of the principles utilised leads to perspectives on tenure which accommodate a particular system as a special case.

These threads are tied together in some case studies of land reform programmes. Their efficacy will be evaluated from the viewpoints of the economic and social functions of ownership, the powers of the property rights assigned and the principles underlying the system proposed in the reform programmes.

#### **C80.502 Urban Property Management**

The first part of this course is devoted to architectural science aspects of building management such as: the maintenance consequences of using different building materials for the same purpose; economics of alternative fuels and of converting from one to another; column spacing, floor loading capacities and subdivision of space into rental units; a general review of Ordinance 70; building and maintenance contracts; lease documents.

The second part will combine documented case studies of building development and management policies with field inspections. It will culminate in the preparation of a written report of recommendations designed to overcome defined problems associated with the implementation and continuing management of a particular project. In the report, students will be expected to show a grasp of skills acquired in other related subjects.

### **Bridging courses**

#### **C80.001 Statistics for Land Economy**

A short bridging course introducing the basic statistics required for Land Economy, for those having no previous training in statistics. It covers the general problem of inference, the organisation of data and elementary frequency distributions, hypothesis testing, variance analysis, contingency tables, two variable regression and correlation, sample size and the control of decision errors.

#### **C80.002 Mathematics for Land Economy**

A short bridging course introducing the basic mathematics required for land economy, for those having no previous training in mathematics. It will cover

functions and their diagrammatic representation, elementary calculus, functions of several variables, constrained and unconstrained maxima and minima.

## **MASTER OF BUILDING SCIENCE DIPLOMA IN BUILDING SCIENCE**

### **DIPLOMA IN BUILDING SCIENCE (ENERGY-CONSERVATIVE DESIGN)**

### **DIPLOMA IN ARCHITECTURAL COMPUTING**

### **DIPLOMA IN ILLUMINATION DESIGN**

#### **Area: General**

**C21.001 General Elective A**

**C21.002 General Elective B**

**C21.003 General Elective C**

**C21.004 General Elective D**

**C21.005 General Elective E**

**C21.006 General Elective F**

Information on courses C21.001-6 will be available from the departmental office.

#### **Area: History of Building Science**

**C21.101 History and Philosophy of Science**

**(Building science)**

Major philosophical developments in Western scientific thought from the Copernican Revolution. Topics covered include: the 17th Century Scientific Revolution; the discovery of earth's history; the Darwinian Revolution; the scientific movements in the 18th, 19th and 20th centuries.

#### **C01.110 History of Building Science A**

See course description under Bachelor of Science (Architecture).

#### **C18.102 History of Building Science B**

See course description under Bachelor of Architecture.

#### **C21.106 History of Architecture Elective**

Before enrolling in this course students should see Associate Professor Smith or Associate Professor Taylor.

#### **Area: Architectural Structures**

**C21.206 Model Analysis**

See course description under Bachelor of Architecture (C13.107)

#### **C13.110 Selection of Structural Form**

See course description under Bachelor of Architecture.

#### **C21.220 Tall Buildings Structural Systems**

An overview of the behaviour of structural systems for buildings in which the height has a significant effect upon the behaviour. The mutual implications of decisions about structural systems, materials, design, service systems, and construction methods. Structural systems and their behaviour under horizontal and vertical loads; approximate methods of analysis and design for strength and stiffness. An introduction to foundations and footings particularly in relation to problems of excavation and the effect of foundation design on tall buildings.

**C21.221 Architectural Structures Elective****Area: Building Materials****C21.301 Building Materials I**

Durability, durability testing, temperature, moisture and chemical effects, dimensional coordination, light metals, stainless steel, glass, plastics, adhesives and paints.

**C21.320 Building Materials Elective****Area: Mathematical Methods****C02.207 Statistics**

See course description under Bachelor of Science (Architecture).

**C21.402 Statistical Methods in Building Science**

The course covers: the use of statistical analysis; frequency distribution and data arrangement; measures of central tendency and dispersion; probability and probability distributions—normal, binomial and Poisson; random samples and sampling distributions; estimation and hypothesis testing—*t*-distribution, chi-square tests; linear regression; multiple regression and correlation; questionnaires; spss computer program.

**C21.405 Numerical Methods in Building Science**

Topics covered include: approximations—linear, Newton's quadratic; Taylor's and Maclaurin's series; validity of expansions and rates of convergence; numerical differentiation; equation solving; finite differences; nonlinear equations.

**C21.407 Introduction to Architectural Geometry**

An introductory course in the geometry of built form which will provide students with an understanding of the mathematics of space and shape. Although conventional planar and descriptive geometry will be part of the course, the major tool developed will be transformational geometry. This will be presented first at a descriptive level and then more rigorously through matrix algebra. Methods of shape description will also be presented. Throughout, examples from the works of architects will be used to illustrate the subtle uses of geometry made for the creation of the built form.

**Area: Building Construction****C21.501 Building Construction**

Remedial course for non-architects, dealing with all aspects of construction, construction techniques, materials, site conditions, building failures, etc.

**C21.520 Building Construction Elective****C21.521 Building Security Elective****Area: Man and Environment****C21.601 Architectural Acoustics I**

An introduction to acoustic terminology and development of the wave equation, simple sound propagation theory, the ear and hearing, subjective effects of noise, sound transmission through walls and partitions, sound absorption, the behaviour of sound in a room, and auditorium acoustics.

**C21.602 Architectural Acoustics II**

This course, which is a continuation of Architectural Acoustics I, includes the measurement, prediction and control of environmental noise, noise control in buildings and building services, vibration trans-

mission in buildings, acoustic modelling, and legal aspects of noise control.

**C21.603 Acoustical Measurement**

This course is intended for students who have taken Architectural Acoustics I and II to give practical experience, but could, under special circumstances, be taken by those who have completed Architectural Acoustics I only. It will consist mainly of laboratory and field measurements, with some lectures on instrumentation and measurement techniques.

The course will include information on sound level measurement, source identification, frequency analysis, time domain analysis, statistical analysis of time varying signals, sound power measurement, sound absorption, sound transmission loss, environmental noise measurement and assessment, audio system performance assessment and vibration and shock measurement and analysis.

**C12.113 Wind Effects on Buildings**

See course description under Bachelor of Architecture.

**C21.607 Tropical Architecture I**

An introduction to problems peculiar to tropical architecture, including an historical outline followed by consideration of the tropical climate, comfort zones, thermal indices and human performance, and special needs of shelter in tropical regions.

**C21.609 Tropical Architecture Elective****C21.620 Acoustics Elective****C21.621 Wind Effects Elective****Area: Building Economics and Management****C21.702 Building Economics**

Applied macroeconomics of the building industry and the Australian economy; and the applied microeconomics of investment appraisal, capital cost, risk analysis, leasing decisions and property analysis.

**C21.703 Economic Feasibility Studies**

The feasibility study is examined as the basis of building development. The following topics are discussed: market survey, planning requirements, preliminary modelling, cost and time determinants and computer based studies.

**C21.720 Management Elective****C21.721 Building Economics Elective****Area: Computers****C24.012 Introduction to Computers in Architecture**

The course provides an introduction to the field of architectural computing. It begins with descriptions of computer hardware and software, then looks at the application areas of computer-aided management, drafting, design and knowledge, and finally discusses the difficulties and pleasures of working with computers and their future role in architecture. There is a substantial component of practical work using a variety of computer system products.

**C24.013 Computers in Architecture I**

This course aims to give students an understanding of the principles of using structured computer programs as tools for problem solving. A procedural programming language is taught so that these principles can be explored and so that students are equipped to develop



new and adapt existing computer tools for architecture.

#### **C24.002 Computers in Architecture II**

Additional computing concepts of relevance to computer-aided architectural design.

Topics covered include: computing developments; operating systems—UNIX, NOS, MSDOS; programming style and documentation; computer-based building descriptions; data structures and data bases; introduction to APL; and knowledge-based systems.

#### **C24.004 Computer Graphics in Architecture**

A beginning course in computer graphics. Topics covered include: graphics devices; line printer graphics; line drawing and plotter graphics; graphics transformations; elementary graphics data structures; passive screen graphics; interactive graphics; developing graphics software systems in architecture.

#### **C24.005 Computer Graphics in Architecture II**

Provides advanced knowledge about the formal basis of computer graphics in architecture through the elaboration of a set of interrelated specialist topics. Also provides the opportunity to utilise graphics systems, drafting systems and procedural geometric modelling systems.

This advanced course assumes the knowledge presented in C24.004 Computer Graphics in Architecture I and C24.002 Computers in Architecture II. The topics covered include: graphics data structures; interactive graphics systems; drafting systems; colour graphics; dynamic graphics; and procedural geometric modelling.

#### **C24.006 Computer Graphics in Architecture III**

This course offers the opportunity to explore some of the more advanced and experimental concepts in computer graphics, such as: interactive graphical interfaces as tools to improve person-machine communication, including icon-based interfaces, bit-mapped graphics and artificial intelligence; object-oriented programming and frame structures for descriptions of buildings; multi-process and multi-processor environments for programs.

#### **C24.009 APL Programming in Architecture**

See course description under Bachelor of Science (Architecture) (C05.115)

#### **C24.010 Computer Applications in Architecture I**

The selection, installation and management of computer systems in architectural offices. The course explores the processes of systems analysis and design, decisions about system size and types, and the design and modification of buildings for computer installations. It describes approaches to communications and networks, ergonomics and workstation design, and the integration of computer services in a design office.

#### **C24.011 Computer Applications in Architecture II**

An advanced project and seminar-based course building on the material presented in Computer Applications in Architecture I and concentrating on case studies of system analysis and system implementation.

### **Area: Methodology**

#### **C24.301 Design Theory and Methods I**

Approaches to and reasons for externalising the design process using concepts of models and system the-

ory. Analysis, generative and evaluative processes in design, their integration and the use of appropriate descriptions and models. The relation of design to design media and the influence of the medium on both process and product.

#### **C24.302 Design Theory and Methods II**

The use of symbolic modelling in design, and theories and methods for design decision making given multiple variables and objectives. Some techniques for decision making: statistics, graph theory, simulation, appraisal, decision tables, knowledge-based systems and optimisation. Characteristics of systems: convergence and divergence, determinism and non-determinism. The use of computer-based design models.

#### **C24.303 Design Theory and Methods III**

An advanced project and seminar-based course on models of the design process and their relationship to design media. The construction of shape and design grammars. Feedforward and feedback between stages in a design process and the stability and sensitivity of design decisions. The formulation of design problems for generative and optimising models.

#### **C24.403 Knowledge Engineering I**

Knowledge engineering is that subset of artificial intelligence concerned with the computer-based representation and manipulation of knowledge in symbolic form. It is of direct relevance to the future of computing in architecture and building. This course covers the fundamentals of knowledge engineering, their application in general inference systems and expert systems and the application of these systems in architecture and building. Topics covered include the following: Introduction: The place of knowledge in computing in architecture and building. Knowledge representation: logic—propositional calculus, predicate calculus, first-order logic; procedural; semantic networks; production systems; frames and scripts. Knowledge as inference. Expert systems: representing expertise; transfer of expertise; meta-knowledge; examples. Knowledge engineering in architecture and building: logic based systems; semantic network based systems; production systems; frame-based systems.

#### **C24.404 Knowledge Engineering II**

The construction of knowledge-based systems in computer-aided design. Knowledge representation and its acquisition by induction. Knowledge-based planning systems: forward and backward chaining, and hierarchical, scheduling, meta-planning and critic approaches. Plausible reasoning in expert systems. The analysis of existing systems.

#### **C24.405 Knowledge Engineering III**

This course builds on and extends Knowledge Engineering II. It covers more advanced topics and provides opportunities to implement these ideas. Topics covered include: knowledge engineering and computer-aided design, knowledge representation, Advanced Prolog, Advanced Lisp, knowledge-based planning, plausible reasoning, analysis of existing systems, and designing and constructing knowledge-based systems.

### **Area: Practical**

#### **C24.602 Practical Work I**

A project-based course on the design and construction of computer software systems for use in computer-aided design.

**C24.603 Practical Work II**

A project-based course on the design and construction of computer software systems for use in computer-aided design. The course may be taken in conjunction with or separately from Practical Work I.

**Area: Illumination****C12.120 Introduction to Lighting Design**

This course introduces the concepts of lighting design. A review of previous material is followed with a treatment of luminaires, the flux method of design, glare, codes of practice, other design methods and appraisal methods. Practical design guides will be given.

**C25.001 Vision and Visual Perception**

An introduction to the science and art of illumination, examining how individuals maintain contact with and gather information about their environment via their sensory systems, and how this information is dealt with by the brain to create complex perception and awareness of the environment. After a brief general overview of human sensory systems the physiological and psychological processes in seeing are discussed. Topics covered are: the dual nature of light; the physiology of the eye and its musculature; light detection; the visual cortex; neural processing; accommodation, convergence; persistence of vision; colour vision; visual anomalies; contrast sensitivity and visual acuity.

**C25.002 Visual Field and Human Factors**

Development material dealt with in C25.001 to examine full-field vision and the human factors in lighting the visual field. Topics covered include: the definition of the visual field with regard to size, luminance, contrast and time; the extension of threshold studies to practical task situations; the evaluation of visual tasks with regard to difficulty and complexity; the development of measures of discomfort and disability glare; the illuminance and glare scales used in practical standards; methods for the assessment of tasks and environments; experimental techniques of evaluation such as multidimensional scaling.

**C25.003 Laboratory Programme**

A practical laboratory programme to support the material covered in C25.001, C25.002, C25.004, C25.005 and C25.006. Experiments will include: the optical bench; visual acuity; contrast sensitivity; photometry of luminaires; the integrating sphere; the artificial sky; lighting appraisals; utilisation factors; electric lamps; measuring instruments.

**C25.004 Photometric Concepts and Photometry**

An introduction to the rational system of measurement of lighting qualities. Topics include: the development of the system of measurement of luminous qualities; the relationship between radiant and luminous flux; luminous intensity; illuminance; luminance; reflectance; reflection factor; transmittance; mention of refraction; relationships between luminous qualities; basic calculations involved with diffuse surfaces; inverse square law; cosine law; interreflections; Munsell colour system; CIE colour system; graphical representation of photometric data; measuring instruments.

**C25.005 Light Sources**

Various methods employed in the production of light and the performance criteria applied to the sources are discussed. Topics covered include: a historical outline of the development of sources; the practical requirements of light sources; black-body radiation; the sun;

the sky; gaseous discharges; electro-luminescence; chemo-luminescence; incandescent lamps; the iodine cycle; fluorescence; tubular fluorescent lamps; various high pressure and low pressure discharge lamps.

Practical lamps will be discussed in terms of luminous efficacy, spectral output, colour rendering, life supply requirements, control gear, cost, etc.

**C25.006 Luminaires**

The design, manufacture, testing and the provision of data on luminaires are discussed. Topics covered include: the requirements of luminaires; methods of light control; the properties of optical systems; refractors, reflectors and diffusers; luminance control techniques, manufacture of luminaires and auxiliaries; codes and regulations; testing; costs and classification systems. Calculation of U.F. presentation of photometric data; the presentation of photometric data for indoor and outdoor luminaires; the calculation of utilisation factors, luminances etc. of luminaires.

**C25.007 Interior Lighting Design I**

This course brings together the material of the six previous courses to develop the concepts and methodologies of interior lighting design. Topics covered include: the perception of colour, form, pattern and space, and issues relating to the perception and comprehension of the large-scale environment, aesthetics, perception and emotion; the limited quantitative procedures in achieving the foregoing; the practical methods available for predicting illuminances from daylight and uniform arrays of luminaires; the prediction of discomfort; appraisals; codes of practice.

**C25.008 Interior Lighting Design II**

A development of material covered in C25.007 to consider more advanced methods of interior lighting design including: designed appearance techniques; lighting systems; colour and atmosphere creating task analysis, choices of sources and luminaires; practical considerations of various lighting situations (e.g. domestic, offices, factories, hospitals, schools, etc.); special applications (stage, television, merchandising, plants, etc.); economics, maintenance; integration of daylight and electric light.

**C25.009 Exterior Lighting Design**

The requirements for various exterior lighting applications are discussed. Some topics will be treated in greater depth (e.g. various floodlighting techniques) than others (e.g. road, tunnel, aircraft and navigation lighting). Topics covered include: general floodlighting requirements; floodlighting equipment; light distribution; calculation methods; area floodlighting; building floodlighting, road lighting; pedestrian lighting; tunnel lighting; vehicle lighting; traffic signals; airport lighting; navigation lighting; display lighting; advertising.

**C25.010 Practical Project**

The project will demonstrate the student's ability to carry out some practical exercise in lighting. This may be a theoretical or practical laboratory or design exercise. The project can be commenced at any time during the diploma course.

**Area: Building Energy Systems****C12.102 Energy Systems**

A survey of energy sources—gas, electricity, oil, coal. Total Energy. Economic considerations of energy uses. Air conditioning plant, ventilation plant, air

conditioning control and systems economics. Noise and vibration in energy systems. The behaviour of alternating current in circuits and the concepts associated with phase relationships. The mathematics of alternating current, methods of generation and reticulation, transformers, calculation of maximum demand, cable sizes, ratings, switchboards, fuses, circuit breakers, equipment and wiring rules. Electricity distribution, maintenance and control.

### **C12.301 Building Services Systems**

This course discusses the planning of the major service systems in large buildings, and their integration with structural, constructional and functional planning considerations.

Topics covered include: preliminary planning of services and location of major plant items; impact of services decisions on building design; mechanical movement systems including space requirements, equipment and preliminary calculations; fire services and fire escape requirements; air conditioning systems, including types of systems and preliminary calculations of load and of space requirements for plant and ducts; energy conservation as it affects building design and plant selection; hydraulic services; electrical services; lighting installations and natural lighting; noise control.

### **C12.124 Solar Energy and Passive Design**

The need for sunlight and for the exclusion of sunlight. Problems of overshadowing and reflection. The nature of solar radiation, and means for its collection, conversion, storage and use. *Effects of orientation and latitude on the availability and use of solar energy.* Economics of solar energy. Principles of passive and active solar energy usage in buildings.

### **C26.103 Thermal Properties of Buildings I**

Basic concepts of heat transfer processes in buildings, concentrating on basic fundamentals and simplified analytical procedures. Topics covered include: thermal properties of building materials, conductivity, resistivity, etc.; models of heat transfer, conduction, convection, radiation; heat flow through glass; sol-air concept; steady-state heat transfer; simple procedures for periodic heat transfer and equivalent temperature differentials.

### **C26.104 Thermal Properties of Buildings II**

Dynamic response of buildings to varying external conditions. Two types of analytical techniques are discussed: those that assume external conditions vary in (a) a steady cyclic manner and (b) in a random manner. In the case of the latter, the treatment will be non-mathematical.

Topics covered include: thermal properties of materials affecting dynamic response, thermal capacity, admittance; the importance of thermal inertia in building constructions; thermal response of walls, roof surfaces under steady cyclic conditions; thermal effects of window/sun control combinations, heat transfer process through glazing; solar radiation transfer processes at internal surfaces; influence of orientation, glazing type and sun control devices on heat transfer; calculation of summer time temperatures in non-airconditioned buildings using the BRE admittance procedure; descriptive treatment of ASHRAE Response Factor method for calculating thermal response; heat transfer due to ventilation; and relationship between building fabric design variables and the thermal behaviour of buildings.

### **C26.111 Energy Management in Buildings**

This course will explore the effectiveness of energy conservation techniques in existing and proposed buildings which rely on behavioural or administrative actions by the users and owners of buildings. Topics could include: user response to environmental changes; comfort standards; belt-tightening and leak-plugging techniques; building management aimed at energy conservation; preventive maintenance to conserve energy; influencing the behaviour of building users; effectiveness of automatic controls; and domestic energy conservation—actions taken by home owners to reduce energy consumption. Also discussed are the implications of using legislation and financial incentives as means of controlling energy conservation. The basis and nature of legislation in the United States, United Kingdom and Europe are explored.

### **C26.112 Integrated Design of the Environment in Buildings**

Supervised project work related to the main theme of the diploma, to place energy considerations within the context of the building design process. The project may take many forms including monitoring building spaces to assess energy consumption and environmental quality; physical or mathematical modelling of building environmental performance; surveys of energy usage in various building types; or an analysis of existing analytical or design procedures. These topics are meant only as an indication of the type of study required and students are encouraged to develop their own research on a topic of interest. The extent of the study undertaken will be constrained by time, availability of equipment and resources. The submission consists of a report detailing the aims of the exercise, methodology employed and a discussion of the results obtained.

### **C26.113 Electricity in Buildings**

The course treats briefly the mathematics of alternating current in circuits and the concepts associated with phase relationships. Generation and reticulation is discussed at system level. At the building application stage the following topics are treated: transformers, calculating maximum demands; cables—types, sizes, ratings; control equipment; protection philosophy and equipment; wiring rules; switchboards; special equipment; space requirements.

### **C26.114 Building Energy Analysis**

A detailed review of the representation of energy systems and environmental control systems in buildings and discussion of the techniques and methodologies employed to analyse and evaluate these systems. A major emphasis will be given to computer-aided techniques. The course will cover all stages of the building design process and consider various techniques in relation to their use at each design stage. A high level of student participation will be expected including obtaining hands-on experience of some of the analysis and design tools discussed.

Particular topics include evaluation of handbooks, guides and basic rules of thumb, preliminary design primers, microcomputer tools, large-scale energy analysis programmes, validation of programmes, accuracy of basic data and representation of system behaviour, representation of user control in buildings, and integrated design approaches.

**C26.116 Building Climatology and Thermal Comfort**

This course explores the knowledge base required for energy-conservative building design, which is concerned with defining climatic and human behavioural constraints upon design solutions. A study of the elements of climate leads to the definition of the natural environment to which the design must relate, and sets the degrees of freedom offered by the climate to a designer. An understanding of the interaction between the human body and its thermal environment and a study of human thermal perception and response leads to the specification of thermal planning goals, which define the intonal environment to be achieved. Comparison of both sets of knowledge defines a role for the building fabric. The course will consider techniques for gathering both sets of knowledge and the use of this knowledge in energy-conservative building design.

**C26.120 Building Services Elective****C26.121 Low Energy Systems Elective**


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# Faculty of Arts

**ANTHROPOLOGY**

The Department of Anthropology provides students with an initial training in two subjects, namely social anthropology and prehistory. The pass courses in both subjects extend over three years, and students may take and count toward the pass degree up to four social anthropology courses (Social Anthropology I; Social Anthropology II [Course 1 or Course 2, and Course 3]; Social Anthropology III; and three Prehistory Courses [Prehistory I; Prehistory II; Prehistory III]). Social anthropology courses focus on various aspects of both Aboriginal and immigrant Australian, as well as a wide range of Asian, Pacific and other cultures and societies. Students wishing to specialise in anthropological linguistics may do so from second year onwards.

In prehistory the department concentrates on Australia and the Western Pacific, but provides sufficient general training in anthropological approaches to prehistory so that students are competent to deal with a wide range of data.

**Social Anthropology I  
(day and evening)**

This course introduces students to the concepts, methods and theories of social anthropology. In the *day* course students complete the following units:

*Lent term*

- (i) Discoveries in anthropology

*Trinity term*

- (ii) Ritual and symbols in Bali and Java
- (iii) The Family in Social Life

*Michaelmas term*

- (iv) Kinship and marriage among the Australian Aborigines
- (v) Rank and politics in Vanuatu

In the *evening* course students complete the following units:

*Lent term*

- (i) Discoveries in anthropology

*Trinity term*

- (ii) Polity and economy in highland Papua New Guinea
- (iii) The socio-linguistic functions of Pidgin and Creole languages in Melanesia

*Michaelmas term*

- (iv) Social inequality in South Asia
- (v) Urbanisation in mainland Southeast Asia

*Note:* See also the course Aboriginal Performing Arts,

offered jointly by the Departments of Music, Anthropology, Linguistics, English and Fine Arts, included at the end of the entry for the Department of Music below.

### **Social Anthropology II (Pass)**

Three pass courses are available: Course 1, Course 2 and Course 3. Students may take either one or two of these courses — but they may not include both Course 1 and Course 2. (It is not possible to credit all three courses towards a degree.) Course 2 is available only in alternate years, and will not be offered in 1987.

#### **Course 1 (Social Anthropology)**

All students complete the following six units:

- (i) Social inequality
- (ii) Kinship
- (iii) Political anthropology
- (iv) The individual and society
- (v) Religion
- (vi) Comparative sociology

#### **Course 2 (Anthropological Linguistics)**

All students complete the following five units:

- (i) Phonetics and phonology
- (ii) Continuity and change in language
- (iii) An introduction to morphology and syntax
- (iv) Language and culture
- (v) Kinship

#### **Course 3 (Societies and Cultures)**

Students select four of the following units:

##### *Evening*

- (i) Japan
- (ii) Black and White in Australia
- (iii) Oratory and the language of dispute in highland Papua New Guinea
- (iv) Highland Southeast Asia

##### *Day*

- (v) Melanesian ethnography
- (vi) Lowland Southeast Asia
- (vii) China
- (viii) Jamaica and the Caribbean

### **Social Anthropology II (Honours)**

Students complete additional work in one of the following two areas: Social Anthropology, Anthropological Linguistics.

#### **1. Social Anthropology Honours**

Students complete three of the following units:

- (i) Interactionism
- (ii) Power in Thailand and Burma
- (iii) Lévi-Strauss / Structuralism
- (iv) Hindu constructions / Femininity
- (v) Social change in Aboriginal Australia

#### **2. Anthropological Linguistics Honours**

Students complete:

- (i) Gidjingali language and culture or an equivalent unit
- (ii) Practical phonetic transcription and phonemic analysis using informant-derived data
- (iii) Practical morphological and syntactic analysis using informant-derived data

*Note:* See also the courses **Indian Studies II** and **III** offered jointly by the Departments of Anthropology, History, Religious Studies and Indonesian and Malaysian Studies.

### **Social Anthropology III Pass**

Two pass courses are available: Course 1 and Course 2 of which students may take the one for which they have the necessary prerequisite. Course 2 is available only in alternate years and will be offered in 1987.

### **Social Anthropology III**

#### **Course 1 (Social Anthropology)**

Students will complete unit (i) and either three full optional units, or the equivalent of three units in a combination of full and half units. The units are as follows:

##### *Core unit—18 lectures*

- (i) History of anthropological thought

##### *Full optional units—18 lectures*

- (ii) Aid to the Third World
- (iii) Comparative Asian industrial sociology
- (iv) Religion
- (v) Women in non-industrial society

##### *Half optional units—9 lectures*

- (vi) Sociology of immigration
- (vii) Race and ethnic relations in cross-cultural perspectives

### **Social Anthropology III**

#### **Course 2 (Anthropological Linguistics)**

All students will complete the following five units.

- (i) Australian languages
- (ii) Studies in ethno-taxonomy
- (iii) Advanced morphology and syntax
- (iv) The Creolisation process
- (v) Pacific socio-linguistics

### **Social Anthropology III (Honours)**

Students complete additional work in one of the following two areas: Social Anthropology, Anthropological Linguistics.

#### **1. Social Anthropology Honours**

Students complete three of the following units:

- (i) Ethnographic fieldwork
- (ii) Psychological anthropology
- (iii) Foucault
- (iv) Constructions of Aboriginality
- (v) Livelihood and society
- (vi) Field linguistics
- (vii) Language and the socio-cultural order

#### **2. Anthropological Linguistics Honours**

Students will complete the following three units.

- (i) Phonological theory
- (ii) Advanced practical morpho-syntactic analysis
- (iii) Language and the socio-cultural order

### **Social Anthropology IV**

All students are required to write a thesis on an approved topic, as well as undertake coursework.

#### **1. Social Anthropology**

Students complete two of the following units:

- (i) Tribal law under colonial rule
- (ii) Ethnographic writing
- (iii) Anthropology and history
- (iv) Minority peoples of Taiwan and Japan

#### **2. Anthropological Linguistics**

Following on from the introduction of Anthropological Linguistics at second and third year pass level and the consequent restructuring of the second and third year honours courses in Anthropological Linguistics,

appropriate fourth year units will be offered in future years as the situation warrants.

### **Prehistory I (day only)**

Prehistory uses archaeological data (e.g. bones, artifacts) to study the physical anthropology of human evolution. To study most of the period of human existence the use of prehistoric archaeology is essential. A special area of interest is the archaeology of Oceania (i.e. Australia and southwest Pacific).

- (i) Human evolution
- (ii) World prehistory from 100 000 years ago to the recent
- (iii) Prehistory of Australia and New Guinea

### **Prehistory II—Pass**

Students complete the following:

- (i) Themes in world prehistory—the archaeology of the Pacific
- (ii) Themes in Australian prehistory—archaeological methods in Oceania
- (iii) Themes in world prehistory—analysis of prehistoric archaeological evidence
- (iv) Themes in human ecology—environments and Pleistocene Man

### **Prehistory II Honours**

Students will complete the following:

- (i) Practical work
- (ii) History and concepts of archaeology
- (iii) Public archaeology

### **Prehistory III—Pass**

Students will complete the following:

- (i) Themes in Australian prehistory—methods and history in studies of Australian prehistoric pictures
- (ii) Themes in human ecology—palaeo-economics
- (iii) Themes in world prehistory—the study of material behaviour
- (iv) Themes in world prehistory—human physical evolution

### **Prehistory III Honours**

Students will complete the following:

- (i) Practical work
- (ii) Classification and chronology
- (iii) Philosophy of archaeology
- (iv) Research essay

### **Prehistory IV**

Students are required to write a thesis as well as undertake the following coursework:

- (i) Analysis of site reports
- (ii) World prehistory

## **ARCHAEOLOGY**

The Department of Archaeology aims at providing pass students with a well rounded knowledge of Greek, Roman and Near Eastern Archaeology and some insight into archaeological methods and the philosophy of the subject.

The pass course as a whole offers all the advantages of studies in the human sciences: development of critical ability, logical thinking, ordered memory, ability to organise and present material, historical analysis. At the same time it aims at providing a coherent picture of the evolution of civilisation in the Mediterranean and Near Eastern areas. In addition to its importance in its own right, it is of particular relevance

to students of Anthropology, Ancient History, Ancient Languages and Fine Arts.

The honours course differs in kind as well as in depth from the pass course. It provides a more particular training for the intending archaeologist. Special emphasis is given to the study of research methods, based on a thorough grasp of the present state of knowledge.

For students taking the full course in Archaeology at the pass level there are no other courses required. Pass students are required to submit essays and other assignments for each Archaeology course and to take slide and/or other visual tests.

Students intending to proceed to honours in Archaeology who have no adequate formal background in Ancient History should take and pass Ancient History I. Candidates for the honours degree are strongly recommended to acquire a reading knowledge of German and French. Honours candidates planning to proceed with an MA degree should bear in mind that, as a requirement for an MA course, they will need to have passed by the end of the first year of the MA course a simple written test in German and French, and to have passed an approved course in one ancient language *or* any other requirement relevant to the topic of the thesis, to be decided by the department. Honours students should consult the head of the department about the work required at all levels.

With the permission of the head of the department, students taking only two courses may take the courses offered for Archaeology III in their second year course.

Honours students from other departments may take courses which will be arranged for them on an individual basis after consultation with the head of the department.

Students must enrol with the department at the beginning of the academic year prior to the commencement of lectures. Reading lists may be obtained from the departmental secretary or from respective lecturers.

### **Archaeology I**

Introduction to the archaeology of the Old World. Archaeology of Early Settlements in the Near East. Art and Archaeology of the Aegean and classical worlds.

### **Archaeology II**

Trade in the Ancient Near East. Athens in the sixth and fifth centuries B.C.

### **Archaeology II (Honours)**

University of Sydney excavations at Pella. Athens during the sixth and fifth centuries B.C. (special topics).

### **Archaeology III**

Archaeology of the Near East during the first millennium B.C. Roman art and architecture.

### **Archaeology III (Honours)**

Numismatics of the ancient Near East. Classical Section (special topics).

### **Archaeology IV (Honours)**

Special topic in the archaeology of the Near East. Special topics in Greek archaeology.

## **CLASSICS COURSE**

### **Classical Literature in Translation II/III**

The course is offered jointly by the Departments of Greek and Latin. This year the staff member respon-

sible for its administration is Dr L. C. Watson in the Department of Latin. A single year of the course may be taken and counted at either second or third year level. Alternatively, Classical Literature in Translation II may be followed by Classical Literature in Translation III as a two-year sequence. Except with the special permission of the departments concerned, Classical Literature III may only be taken in the year immediately following that in which Classical Literature II was taken, if they are taken as a two-year sequence.

Each year the course will consist of a major and two minor subjects. The major subject will be either Epic Poetry or Drama (Tragedy and Comedy), which alternate on a two-year cycle. The two minor subjects will be selected from the following list: Literary Criticism, Satire, Pastoral Poetry, The Novel, Philosophic Dialogue and Political Literature—with the proviso that the same topics will not be offered in succeeding years, and that topics may be added or subtracted according to availability of staff.

The course provides systematic study of some of the major areas of Greek and Latin literature, principally by means of selected texts read in translation. It should be of interest to those who wish to familiarise themselves with the literature of Greece and Rome, but are not conversant with the ancient languages, and to students both of other aspects of Greco-Roman antiquity, and of other cultures which have been influenced by the literary heritage of Greece and Rome.

No knowledge of the Greek and Latin languages is assumed.

#### *Course for 1987*

Major subject: Drama: Tragedy and Comedy  
Minor subjects:

- (1) The Novel in the Greek and Roman World
- (2) Theocritus and Virgil: the Beginnings of European Pastoral

## COMPUTER SCIENCE

For details see under Faculty of Science.

## ECONOMICS

For details see under Faculty of Economics.

## ECONOMIC HISTORY

For details see under Faculty of Economics.

## EDUCATION

For details see under Faculty of Education.

## ENGLISH LANGUAGE AND LITERATURE

*Pass course:* The pass course extends over three years. In the first year the course combines the study of modern literature, medieval literature, and English language. In the second and third years students may elect to specialise in English Literature, or in Early English Literature and Language, or may construct mixed programmes of study from a variety of options.

In second and third year additional courses are available so that (providing the by-laws and resolutions of the Faculty of Arts are complied with) students may take and count towards the degree up to five English courses: English I; English II, Courses 1 and 2; English III, Courses 1 and 2.

Two courses in Australian Literature may be taken to count as a second and a third year level course re-

spectively. A single course may be taken as either a second or third year subject.

*Honours:* English I is entirely a pass year. Students who wish to enter the English honours school must pass with credit at the end of the first year. (In special circumstances the department may recommend to the faculty the admission to the honours school of a candidate who has not passed the first year with credit.)

In the second year, students take core units in seventeenth and eighteenth century literature, in medieval literature and in the language of later literature, and three options chosen from those available in English Literature and/or in Early English Literature and Language.

Before entering third year, honours students must have completed five courses towards the BA degree.

At the beginning of third year, students usually choose to specialise in either English Literature or in Early English Literature and Language, but various options are available, and students may construct mixed programmes of study after consulting the department. The final honours course of study will extend over both the third and fourth years, and be mainly in the form of seminar or tutorial classes.

### English I

(i) *Literature:* An introduction to literary studies, in poetry, fiction and drama.

(ii) *Early English Literature and Language:* An introduction to (a) medieval literature; (b) the study of the English language.

### English II (Pass)

#### *Courses 1 and 2*

Each course consists of six half-year (semester) options. Students may elect to specialise in English Literature or in Early English Literature and Language, or may construct mixed programmes of study. For details, see the *Arts Handbook*.

### English II (Honours)

Two specified units in English Literature and two in Early English Literature and Language must be taken; any *three* other options may be chosen from those available. For details, see the *Arts Handbook*.

### English III (Pass)

#### *Courses 1 and 2*

As for English II, Courses 1 and 2 above.

### English III (Honours)

Students choose to specialise either in English Literature, or in Early English Literature and Language, but various options are available. For details, see the *Arts Handbook*.

### English IV (Honours)

#### (i) English Literature

Students will take topic 1 and any three other units.

- (1) Renaissance Studies (core)
- (2) Renaissance Studies (option)
- (3) Eighteenth-century Literature
- (4) English Romantic Literature
- (5) Nineteenth-century Literature
- (6) Literary Theory and Practice
- (7) Twentieth-century Literature
- (8) American Literature
- (9) Australian Literature

All students will submit a long essay on a topic to be approved. Essays are 12 500 words in length, and are due in the vacation following Trinity term.

**(ii) Early English Literature and Language**

Students take five units:

- (1) *Beowulf*
- (2) Old English Literature
- (3) Middle English Literature A
- (4) Middle English Literature B
- (5) and (6) Studies in the History of the English Language
- (7) Modern English Studies A
- (8) Modern English Studies B
- (9) Old Icelandic II
- (10) Celtic II

By arrangement with the department, students specialising in (i) may take one or more units from (ii), and *vice versa*.

**Australian Literature**

The course consists of a study of nineteenth and twentieth-century fiction, poetry and drama.

Two courses in Australian Literature may be taken to count as a second and a third year level course respectively. A single course may be taken as either a second or third year subject.

**Australian Literature II Honours**

The prerequisite is at least three courses, normally including English I at credit level.<sup>1</sup> English II is strongly recommended as a corequisite.

Course requirements:

Seven semester options, made up as follows:

501 = 2 units Australian Poetry

502 = 2 units The Australian Novel

The remaining options may be chosen from 503, 504, 506–510, or from English II Literature and Language options.

Students who are not taking English II concurrently may find it helpful to take one or two English options as advised by the Professor of Australian Literature.

**Australian Literature III Honours**

The prerequisite is Australian Literature II Honours at credit level, or English II Honours at credit level and Australian Literature II. English III is recommended as a corequisite.

Course requirements:

Eight semester units, or equivalent made up as follows:

Two full year options, one of which must be 505, and two semester options. Up to two units may be taken from English II / III (Pass). Two Honours options, one of which may be chosen from the English III Honours options.

**Australian Literature IV**

Students will take unit 1 (the core unit), and any *two* other units. Two semester options form one unit. One unit may be taken from the options in English IV, subject to approval by the Challis Professor.

**Core unit**

- (1) Critical Issues in Australian Literature

**Semester options**

- (2) The Australian Lyric
- (3) Australian Pastoral
- (4) South Pacific Literature
- (5) Comparative Literature in English

<sup>1</sup> Students who have not taken English I may apply to enter Australian Literature Honours courses. All prospective Honours students should consult the Professor of Australian Literature about the design of their programme.

**Year option**

- (6) Australia's Colonial Culture: 1788–1870

All students will submit a long essay on a topic to be approved. Essays are 15 000 words in length, and are due on 18 September. As preparation for the essay, students will attend in Lent term a short non-examinable course on research methods.

**FINE ARTS**

Fine Arts courses I, II, III and III Additional are qualifying courses for the degree of Bachelor of Arts. Candidates for honours in Fine Arts are required to obtain a credit in Fine Arts I, a credit or higher honours in Fine Arts II and III, and to take the Fine Arts IV course.

Following the constitution adopted by the department in April 1978, students are advised that departmental policies concerning course content, methods and assessments are established at regular Institute meetings open to staff and student representatives.

**Fine Arts I**

The aims of this course are twofold. An introduction to the visual art of the 20th century, plus a gradual familiarisation with the rudiments of the discipline of art history as an analytical enterprise.

On the historical side students will study the meaning of the term 'modernism' in the visual art of Europe and North America. On the theoretical side the aim is to acquaint students with the skills of reading visual imagery; to provide an introduction to the major theoretical debates within the visual arts of this century and to impart some basic discursive expertise to prepare them for the more advanced courses in Fine Arts.

Practical courses in different art forms may be undertaken at the Sydney University Art Workshop as part of the coursework. The Art Workshop offers to Fine Arts I students, a variety of classes in Painting and Drawing, Ceramics, Photography, Sculpture, Screenprinting, Etching, Super-8-Filmmaking, Video and Introduction to Graphic Design. The A courses offered by the Art Workshop provide students with an introduction to specific art media skills. Each course consists of 27 hours of studio based practical art work, spread over 9 weeks corresponding to 3 hours per week during term time.

**Fine Arts II and III and III Additional****Semester Courses offered**

The Fine Arts department reserves the right to withdraw or vary semester courses according to staff availability and other circumstances. Students should consult the department before the enrolment period.

**First half of year**

- 1.1 History of Chinese Painting
- 2.1 European Art and Architecture 1400–1500, I
- 3.1 European Art and Architecture 1500–1700
- 4.1 Art and Society in Victorian England
- 5.2 Australian Identity and the Visual
- 6.2 American Art, Design and Society since 1900
- 7.1 Film Studies I
- 8.1 Art Workshop
- 9.1 Architecture and Design
- 10.1 Theories of Art / History (Hons)

**Second half of year**

- 2.2 European Art and Architecture 1400–1500, II
- 2/3.3 Italian Architecture 1400–1500



- 3.2 European Art and Architecture 1500–1700, II
- 4.2(a) Painting in France 1770–1830: The Age of Revolution
- 4.2(b) Realism and Impressionism in France, 1840–1880
- 5.1 Australian Colonial Art
- 5.3 Australian Art and Society since 1940
- 6.1 American Art 1670–1900
- 7.2 Film Studies II
- 10.2 Theories of the Image (Hons)

Pass students will be required to take two semester courses in second year and two or four in third year. Honours students will be required to take three semester courses in second year and three or five semester courses in third year, two of which must be Theories of Art/History and Theories of the Image, one to be taken each year.

A full year course of Fine Arts II or III must comprise one semester course from the first half of the year, one from the second.

In 1987 third year honours students must take either Theories of Art/History or Theories of the Image as the honours component of their course.

In 1987 third year students may choose only those semester courses which do not overlap in content with courses they have already taken.

Discussions of next year's Fine Arts II/III semester course will be held every year in Michaelmas term. Students are required to indicate their semester course preferences before the end of Michaelmas term.

A pass in Fine Arts I is a prerequisite for doing Fine Arts II.

### 1.1 History of Chinese Painting

An introduction to the history of Chinese painting c.100 to c.1985. The course begins with a study of early Chinese figure painting in the Pre-T'ang, T'ang and Five Dynasties periods. Special emphasis will be placed on the origin and on the subsequent development of landscape painting in the Sung, Yuan, Ming and Ch'ing Dynasties. 20th century Chinese painting both traditional and non-traditional will also be discussed. The study of Chinese art theory and criticism and of the historiography of Chinese painting will be included in the course. Connections will be made wherever possible between artistic and literary and general historical developments in Chinese society. No knowledge of Chinese is required.

### 2.1 European Art and Architecture 1400–1500, I

The first object of this course is to acquire familiarity with a wide variety of works of art produced in the 15th century. The first section of the course will focus on various media in use throughout Europe: drawings, manuscripts, murals and paintings, sculptural media, mosaics, stained glass and printed images. The intention is to convey a sense of the overall structure of development in these media, practices and techniques as well as the inter-regional and international passage of images and ideas. The architectural context of many artforms in the period will also be discussed.

The second object is the acquisition of a critical understanding of the methods of research and analysis used by art historians during the last hundred years and applied to the works we have previously studied. This ranges from the approaches which arose out of the German philosophical aesthetics of the late 18th/early 19th centuries to critiques of historiography itself, the study being treated as a series of parallel themes rather than a chronological survey. The social perspectives of such figures as Burckhardt, Warburg

and Antal are set alongside the tradition of connoisseurship, the psychoanalytic school from Cassirer and Kris to the present, and other traditions which have significantly affected the historiography of art. The course will end with recent developments in the historiography of the Early Modern period, feminist critiques and general debates in the history of art.

An extensive programme of field visits is planned to accompany both this and the following course. The local section consists of the study of original manuscripts, books and prints in Sydney collections, architectural site-inspections and visits to foundries etc. An expedition to Italy may be made during the May vacation, lasting approximately one month, and to Melbourne's collections in August.

### 2.2 European Art and Architecture 1400–1500 II

This course will concentrate on major themes in the art history of the period, studied in the context of socio-political relationships, contemporary literature and ideas, iconography and modern historical critiques. Particular attention will be paid to problems of 'Renaissance', 'International Style' and contemporary notions of the past (held by both writers and artists). Themes include the humanist critical tradition, Vasari, the portrait, the nude, and a series of specific artistic programmes. A major essay on one of these themes will be required and the course will commence with a study of bibliographical and picture research methods, in preparation for essay-writing. The course will terminate, after a revision period, with three one-hour examinations including a photographic paper.

Completion of the European Art and Architecture 1400–1500 I course will normally be a prerequisite for entry to this course. Intending students should note that a reading knowledge of other European languages (French, German or Italian especially) would be useful, although not compulsory. English texts will, of course, be given whenever possible.

### 2/3.3 Italian Architecture 1400–1500

Honours level students who have satisfactorily completed or are taking semester courses 2.1 and 2.2 or 3.1 and 3.2 may participate in this course of seminars. The initial programme concentrates on the Italian urban environment and the vocabulary of forms used by Classical, Late Medieval and Renaissance architects. (Local site-inspections are organised and substantial parts of the Italian and Melbourne expeditions are devoted to architecture.) This is followed by a typical case study in which groups of students investigate environmental and design problems, patronage, structures and ornament, connected with a particular building project or type. These researches will be written up in essay form. Discussions of the historiography of architecture, coinciding with the methodology section of the European Art and Architecture 1400–1500 I course above, complete the first half of the year.

This course is designed to proceed in parallel with the thematic section of European Art and Architecture 1400–1500 II and allows students to develop individual research projects in consultation with staff. Progress reports will be discussed in class and a major essay will be presented at the end of the year. (There is no formal examination.) Prospective students' attention is drawn to the language requirements for entry to Fine Arts IV, which come into force in 1989.

### 4.1 Art and Society in Victorian England

This course will investigate Victorian art in relation to its social and cultural contexts. Visual images pro-

duced in this period will be examined for the meanings they carry and for their relationship with their audience. The course will also consider art education, policies, institutions, exhibitions, criticism, and patronage (private and state).

Among the topics to be dealt with in lectures and tutorials are narrativity and painting, the Pre-Raphaelites, the poor in Victorian painting, paintings of modern life, Ruskin and other critics, the popularization of art, and women and art.

#### **4.2 (a) Painting in France 1770–1830: The Age of Revolution**

This course will examine developments in French painting in relation to the social and historical transformations occurring in this period. Among the topics to be developed in lectures and tutorials are: the revival of history painting; the political function of painting; Neo-classicism and Romanticism; the relationship between the public and the private; the relationship between individuality and tradition; portrait painting; the expansion of minor genres of landscape and scenes of common life; and the relationship of painting with its audiences, the art market and art institutions.

#### **4.2 (b) Realism and Impressionism in France, 1840–1880**

This course will examine developments in French Realism and Impressionism with particular emphasis on its relationship to contemporary social and political developments. Students will be expected to read the major theorists of the period, and are strongly advised to read the novels of Flaubert, Zola, etc.

Topics discussed in lectures and tutorials will include: Realism and the 'real'; problems of representation, Realism, style and 'anti-style'; Realism and Naturalism; the avant-garde; academic realism; institutional structures; the relation to tradition; Realist and Impressionist iconography: history painting, landscape and genre; Realism, Impressionism and the representation of modern life; the interpretation of Realism and Impressionism as politically/socially subversive forms; *plein-airism*; the city and the country; Realism and the erotic.

#### **5.1 Australian Colonial Art**

This course discusses Australian Colonial Art from the beginning of European settlement up to c.1880 in all media—architecture, painting, sculpture, photography, printmaking and the decorative arts. Although the general approach is chronological, specific themes are isolated, e.g., the construction of visual representations of place, European images of Australia's Aboriginal inhabitants, the contributions of women painters and sketchers, the architecture of cities and country towns, and the growth of art institutions. Although the art of all the Australian colonies (including Norfolk Island) is covered, the major emphasis is on Sydney and its environs.

Students are expected to participate in visits to art galleries and other places in Sydney, Newtown, Glebe, Elizabeth Bay and/or other readily accessible locations. A two-day excursion to the Australian National Gallery may be held during the May vacation.

#### **5.2 Australia, Identity and the Visual**

This course will concentrate on visual imagery produced in and about 'Australia'. Themes to be covered will include the landscape tradition, urban imagery, images of leisure, the imaging of progress, develop-

ment, and of history. Issues to be examined will include the changing and historically specific character of the 'national identity' debate, the construction of high culture as a nationalist project, Australian responses to modernism/modernity, centre-periphery cultural relations, the positioning of women within the dominant discourses and the contradictions in the positioning of Aboriginal culture in relation to emergent white cultures in Australia.

#### **5.3 Australian Art and Society since 1940**

Themes addressed in the course include artists' responses to World War II and the Cold War; changing treatments of persistent subjects such as landscape, the city, relationships between people, the impact of globalising cultures; Modern Art, modernism and post-modernism; the diversification of critical approaches; the growth of institutional support for the visual arts; the emergence of contemporary Aboriginal art and 'Aboriginality' in art by white Australians.

Detailed studies of painting, sculpture, architecture, photography, film, cartooning, advertising and other graphic arts will be undertaken. The historiography of Australian art will be examined, as will writing about, and theorising, the visual.

#### **6.1 American Art 1670–1900**

An introduction to the history of American painting, sculpture, graphic arts and photography c.1670 to c.1900. Contemporary theories and criticism and the historiography of American art of that period will also be studied. Connections will be made wherever possible between artistic and literary and general historical developments in American society, and between American and contemporary and earlier European art and ideas.

#### **6.2 American Art, Design and Society since 1900**

The major theme explored in the course will be the evolution of a distinctively modern visual culture in the United States, its evocation of nineteenth century pastoralism, its relationship to industrialisation and the consumer society, its phases and diversification across media and usages, its key institutions and exponents, its impact on other countries in the region (Mexico, Canada) and elsewhere (Australia, the United Kingdom, Europe).

Detailed studies of American painting, sculpture, architecture, photography, film, design, graphics, advertising, expositions and planning will be undertaken. Interpretations of American life in literature and sociology will also be relevant.

#### **7.1 Film Studies I**

Film Studies I is a course in film theory, analysis and criticism. It operates on multiple levels simultaneously. First, it studies a variety of film texts and filmic forms, addressing crucial issues in and around their analysis, criticism and theorising. Second, it presents, analyses and criticises theories of film from the past (for example, those of Eisenstein, Bazin and Grierson) and present (especially the work of French film semioticians Christian Metz and Raymond Bellour and the English and American work derived from them). Third, it investigates the range of theoretical work done in France in the last decades which not only informs the theories of film semioticians but also has itself offered a number of theories of film as well as general theories which, while situated within specific disciplines, also travel across and give accounts of the different disciplines, knowledges, discourses and institutions of our society. Film Studies I

presents the various theories of such writers as Barthes, Kristeva, Deleuze, Foucault, Baudrillard and Virilio as they correlate with specific film texts and film theories, analyses the relationships of these theories to each other, and offers critiques of them. The work of the course is divided as follows:

*'A Perfect Vacuum'*

Narrative fictional films and theories of textuality (including examination of methodologies of narrative analysis, cinematic codes and signifiers, notions and issues of cinematic realism, theories of montage and *mise-en-scene*, modes of narration, the construction of author and reader.

*'The Night Has . . .'*

Cinema's relation to desire (including examination of psychoanalytical semiotics' notion of the imaginary signifier, the spectacular text, forms of visual pleasure, and the metapsychology of the cinematic apparatus; theories of transgressive film practices; *auteur* and genre theory.

Credit for coursework can be acquired not only through the writing of essays but also by successfully completing a concurrent A course in either Super 8 or video at the Art Workshop.

## 7.2 Film Studies II

Film Studies I is a prerequisite for Film Studies II. Film Studies II continues the work of Film Studies I and is structured as follows:

*' . . . A Thousand Eyes'*

Cinema's relation to desire in terms of the theory of both the independent film (discussing notions of experimental, avant-garde, modernist and post-modernist film practices) and the documentary film (engaging problems of authenticity, propaganda, information, education, observation, intervention, direct and indirect address).

*'The Atrocity Exhibition'*

Fiction films on the 'catastrophes of history' in relation to the work of Foucault, Deleuze, Baudrillard and Virilio.

Credit for coursework can be acquired not only through the writing of essays but also by successfully completing a concurrent A course in either Super 8 or video at the Art Workshop.

## 8.1 Art Workshop

At present students may do only *one* half-year course in Art Workshop studies at second or third year level.

This unit gives students an opportunity to realise the problems that the production of art engenders, and to develop further the skills involved in an art practice. The semester unit offered by the Art Workshop provides increased technical competence, intellectual insight and creative understanding. The semester unit will consist of 54 hours of studio work together with the production of an exhibition.

The exhibition component of the semester unit will involve students taking the unit selecting, cataloguing, preparing for display, exhibiting and maintaining an exhibition in an art gallery. Thus the unit in its entirety is an invaluable experience in the production of art and meaning through the exhibition process.

The semester unit is offered in the studios of painting and drawing, ceramics, photography, sculpture and screenprinting. Enrolment for the unit is limited to students who have taken an Art Workshop A course in the media area in which they wish to pursue their semester unit, and have obtained at least a credit grade. Exceptions may be made for students who can

give evidence of a high degree of ability in the particular studio in which she or he may wish to take the semester unit, by the production of a folio or other material. The unit will be offered in first semester only and the timetabling of the particular studio contact hours in the unit will be determined in light of the requirements of the particular studio and the timetabling demands of students.

It is hoped to be able to conclude the art work part of the unit within the first semester so as to allow as much time as possible for the preparation of the exhibition.

However, students hoping to be selected for the semester unit must remember that a commitment may be required to this unit beyond the end of first semester.

## 9.1 Architecture and Design

In 1987 this course will concentrate on major issues in architecture and design in Australia, Britain and the U.S.A. during the 19th and 20th centuries. Special emphasis will be given to international exhibitions, the changing role of the architect/designer/patron, Victorian historicism, modernity, the Modern Movement and the rise of industrial design.

### 10.1 Theories of Art/History (compulsory for honours students)

The course will be looking at the different ways history gets formulated as a practice and as a body of theoretical concepts. Whilst the course, of necessity, will be framed around a number of general questions, special care will be taken to relate these areas to that of the visual.

The course will aim at achieving two major results: (1) to develop the means of bringing methods of historical and theoretical investigation of the visual into a closer and more fruitful proximity; and (2) to equip students with the means both to control and to direct the use of history within their overall historical studies.

### 10.2 Theories of the Image (compulsory for honours students)

This course will look at some of the ways in which the visual image has been constituted as an object of analysis. It will cover theoretical perspectives from orthodox art history (such as iconography and iconology) as well as discourses on the image that have arisen from theories of representation, including semiotics, post-structuralism and psychoanalysis. Issues to be examined will include questions of meaning, interpretation, reading, expression, intentionality, encoding/decoding, questions of effect/affect, intertextuality, the position(ing) of the viewer/subject, image production, reproduction and circulation.

## Fine Arts IV Honours

The Fine Arts IV course has three components: a dissertation, two methodology semesters, and a seminar on a special period or topic. Fine arts students are required to register with the department in the November of the preceding year. They should have an approved dissertation topic by then.

### *Dissertation of an approved subject*

This will be written under the individual supervision of a member of staff (10 000–12 000 words).

### *Methodology*

Theories of History: 1st half-year.

Theories of the Image: 2nd half-year.

These courses will consist of a weekly lecture and a

two-hour tutorial. Students are required to submit two essays of 4000–5000 words.

### Special Option

These courses are based on a weekly two-hour seminar. Depending on demand the following courses will be offered. Students are required to submit written work totalling 8000–10 000 words for these options.

- (a) *The Italian Renaissance city and perceptions of antiquity* This is offered jointly with the Department of History. The course examines the relation between the physical development of cities and contemporary ideologies reviewed from the perspective of changing notions of antiquity. Plans, views and texts are considered critically together with recent writings on urban and cultural history. The initially recommended text is: C. Stinger *The Renaissance in Rome* (Bloomington, 1985).
- (b) *Sydney Art Now* This course will examine critically debates which are current within the Australian art world concerning the nature of contemporary art practice. The course will include visiting galleries and discussing issues with artists, critics and curators.
- (c) *Sex and Gender in Victorian Art and Society* This course will be offered in History and in Fine Arts. The course will begin with a study of Victorian domestic ideology, relating the idea of separate male and female spheres to contemporary economic and social development and exploring the ideas of masculinity and femininity which were embodied in the public and private spheres. There will be a detailed analysis of Victorian constructions of masculinity and femininity in science, art and literature. This will require the close study of literary texts, painting and a range of other literary and visual materials. We will also study the feminist criticisms of these constructions and the ways in which women attempted to gain entry to the scientific, artistic and literary professions.
- (d) *Post-Modernism and Film*
- (e) *Art Museum History and Practice*

## FRENCH STUDIES

Courses in the Department of French Studies are concerned with the range of French language, literature, culture and society, including the numerous francophone cultures outside France. Courses in the department are language-based—they all deal with French-language material.

Students in the later years of the course will be expected to select one of three strands, namely:

- French Language and Linguistics
- French Literature
- The Social Sciences and the French-speaking World.

The department offers a great variety of electives and the choice of a strand is designed to ensure that electives are selected and combined in a meaningful way. Courses must be coherent but overspecialisation is not desirable. Students who wish to explore two fields in some depth may enrol for Additional courses in French.

The department offers two streams: one for students with a basic knowledge of the language (stream A) and another for absolute beginners (stream B). In these two streams practical language instruction is offered to students at eleven different language Levels. The placement of incoming students in these streams and in the various language classes will be

decided on the basis of their HSC or school results in conjunction with those gained in a placement or aptitude test to be held during the orientation period. Students who have studied French for five or six years will not normally be admitted to French IB or French IAB. At first year level an intermediate course (French IAB) has been designed for students with some knowledge of French.

Students from all three first year courses may take an honours degree in French, but honours students from the B stream will be expected to take an Additional course, normally in their third year.

The following course-sequence may be taken:

French IA, IIA, IIIA

French IB, IIB, IIIB

French IB, IIB and II Additional, IIIA or IIIB

French IAB, IIA, IIIA

French IAB, IIB, IIIB

French IAB, IIB and II Additional, IIIA or IIIB

French II Additional is available to students enrolled concurrently for either French IIA or French IIB or who have completed IIA or IIB. French III Additional is available to students enrolled concurrently for either French IIIA or French IIIB or who have completed IIIA or IIIB.

### Short reading course in French

This course (which does not count towards the degree of Bachelor of Arts) is designed for members of the University (senior students and staff) who wish to acquire a reading knowledge of French.

Absolute beginners are advised to enrol in French IB or, alternatively, to take an intensive introductory language course outside the University (e.g. Alliance Française) during the summer vacation prior to enrolling in the Short Reading Course.

There is no formal assessment in this course.

## French IB

There are no formal prerequisites, but intending students should consult the department before taking this course. French IB is designed for students with little or no previous knowledge of French. There will be a placement test for all intending students, except for absolute beginners, to help determine to which language level they will be assigned. Absolute beginners will be required to take a language aptitude test. Students qualified to take French IA are not permitted to enrol for French IB.

The course, which for the purpose of degree requirements counts as an elementary course, is an introductory study of French language and contemporary France.

## French IAB

This course has been designed for students with some knowledge of French, whose competence is intermediate between the levels associated with French IB and French IA respectively. The emphasis is on the improvement of students' mastery of the language and the development of their reading skills. Texts in the course reflect aspects of contemporary France. Students taking French IAB will proceed either to French IIB or to French IIA, according to the progress they have achieved in the course.

## French IA

This course has been designed for students having a 3 unit / 2 unit HSC or matriculation in French. It aims at consolidating and expanding students' language skills (with special emphasis on aural comprehension, read-

ing and interpretation of written texts) while providing an introduction to the social, intellectual and cultural history of modern France. The reading programme offers a variety of texts, which fall into two main groups, one dealing with French literature, and the other with French society.

### French IIB

The emphasis in this course is on the consolidation of language skills. It also includes some of the cultural content of the French IA course. Students wishing to undertake French studies in greater depth are advised to enrol for French II Additional as well.

### French IIA

Most students in this course will take Language Level 2.2 in which the emphasis will be placed on the contrastive study of written and spoken French. Special attention will be paid to students' written performance skills. In French IIA students will choose one of three strands, namely French Language and Linguistics, French Literature, or the Social Sciences and the French-speaking World. In each strand students must enrol in a core unit, and one of several additional electives related to the chosen core unit. Students will also take a Complementary Elective, selected from the other two strands. The course is designed to ensure that the study programme has both depth and breadth and electives are chosen with due regard for the coherence of the course.

### French IIB Honours

- (i) Syllabus and classes as for French IIB.
- (ii) An Introduction to pre-1500 studies.
- (iii) A Classical Decade: Research and Criticism.
- (iv) The language of criticism and research.

### French IIA Honours

- (i) Syllabus and classes as for French IIA.
- (ii) An Introduction to pre-1500 studies.
- (iii) A Classical Decade: Research and Criticism.
- (iv) The language of criticism and research.

### French II Additional

This course is designed to allow students in the department to select a second strand different from the one taken in their main course, and, in the case of B-stream students, to study French in greater depth.

### French IIIB

As for French IIA but students in this course will take Language Level 3.0, a sequel to the language work done in French IIB.

### French IIIA

Students in this course will normally enrol for Language Level 3.2, and they will continue in the strand chosen in their second year.

### French IIIA Honours

- (i) Syllabus and classes as for French IIIA.
- (ii) Aspects of literary criticism, the social sciences and linguistics.
- (iii) The language of criticism and research.

### French IIIB Honours

- (i) Syllabus and classes as for French IIIB.
  - (ii) Aspects of literary criticism, the social sciences and linguistics.
  - (iii) The language of criticism and research.
- N.B. Honours students in the B stream are required to

enrol for French III Additional, unless they have already completed French II Additional. They will normally also take the honours component of French IIB Honours, or units of equivalent weighting, in their third year.

ARTS

### French III Additional

This course is designed for students who wish to continue with the study of an additional strand undertaken in their second year or who wish to undertake the study of a new additional strand.

### French IV Honours

- (a) *Practical Language*: one to two hours per week.
- (b) *Seminars*: Students will take three seminars.
- (c) *Thesis*: a 12 000–15 000 word thesis, written in French, prepared under the close guidance of a supervisor.

## GEOGRAPHY

For details see under Faculty of Science.

## GERMANIC STUDIES

### German IB

This course, which presupposes no knowledge of German, is available to students who have not attained matriculation level in German and who wish to achieve competence in the language in the four basic skills of listening, reading, speaking and writing. There are six hours of classes per week, with considerable emphasis on the audiolingual and audiovisual facilities available in the Language Study Centre. The course includes regular practice in reading and listening to German and in conversation and composition-writing.

### German IA

All students who have matriculated in German are enrolled in IA. According to their knowledge of German, as assessed in a placement test held in the orientation period, students are assigned to a language group. The courses consist of:

- (i) Language classes
- (ii) Introduction to German linguistics
- (iii) Survey of German literature and culture
- (iv) Text study
- (v) Essays in English on the prescribed texts

### German IIB (Pass)

- (i) Language classes
- (ii) Seminars on prescribed texts
- (iii) Conversation practice
- (iv) Introduction to German linguistics
- (v) Survey of German literature
- (vi) Essay in English on the prescribed texts

### German IIB (Honours)

As for German IIB (Pass), but with the following additional components:

- (i) Core seminars on German literature from 1850 to the present or linguistics
- (ii) A special honours class

### German IIA (Pass)

- (i) Language classes with practice in translation, grammar and self-expression
- (ii) Conversation practice
- (iii) Core seminars on German literature from 1850 to the present and/or German linguistics

- (iv) Options on a range of literature, civilisation and language topics with the literature and civilisation options belonging mainly to the period since 1850

### German IIA (Honours)

As for German IIA (Pass), but with the following additional components:

- (i) Further core seminars on German literature from 1850 to the present and/or German linguistics
- (ii) Classes on the language and literature of the Middle High German period
- (iii) Special Honours Class on theory and method

### German IIB

- (i) Language classes
- (ii) Core reading course
- (iii) Options etc. as for IIA (Pass)

### German IIIB (Honours)

As for German IIIB, but with the following additional components:

- (i) Further core seminars on German literature to 1850 or German linguistics
- (ii) Classes on the literature and language of the Middle High German period
- (iii) Special Honours Classes

### German IIIA (Pass)

- (i) Seminars on a range of literature, civilisation and language options, with the literature and civilisation options belonging to the period from c. 1700 to c. 1850
- (ii) Language classes
- (iii) Conversation practice
- (iv) Core seminars on German literature to 1850
- (v) German free composition

### German IIIA (Honours)

As for German IIIA, but with the additional components described under German IIIB (Honours) above.

### German III Additional

With this course students are enabled to deepen their knowledge of the language and extend their study of the German literature and civilisation treated in German IIA and German IIIA. The course consists of:

- (i) Further core seminars on German literature in the period from c. 1700 to c. 1850
- (ii) Further optional seminars on language, literature and civilisation from among those offered in German IIA and German IIIA
- (iii) Advanced language

### German IV (Honours)

Students do advanced language work, and choose four literature and language options and write a long essay.

## GOVERNMENT

For details see under Faculty of Economics.

## GREEK

### Department of Greek (Ancient Greek)

### Department of Modern Greek

Greek (i.e. Ancient Greek) and Modern Greek are separate subjects, administered by separate departments,

and it is possible for students to take both towards their BA degree. The range of undergraduate courses available in either subject is described below.

### DEPARTMENT OF GREEK (Ancient Greek)

A full range of courses is offered in Greek for both the pass and honours degree.

In first year three courses are available: Greek IA; Greek IB (Classical); and Greek IB (Koine). For entry into Greek IA students must have attained a satisfactory standard in either the 3 unit course or the 2 unit course in Classical Greek at the HSC examination or an equivalent qualification.

The Greek IB (Classical) course assumes no previous study of Greek and aims at providing students with the basic knowledge of the language that they will need for undertaking further courses in Greek or to assist them with their studies in related subjects. There is no prerequisite for the course but some previous experience of foreign language study is an advantage. Students not having a language other than English to HSC level are advised to consult the department before enrolling.

The Greek IB (Koine) course assumes no previous study of Greek and aims at providing an introduction to Koine Greek through study of the grammar and texts of the New Testament. It also includes an outline of the historical, religious, and cultural background relevant to the New Testament. The course is intended both for students taking the BA degree in preparation for the BD degree, and for students wishing to acquire the basic linguistic skills for historical, religious, cultural, or linguistic study of the Eastern Mediterranean in Roman times. While Greek IB (Koine) will not normally lead to further studies in the Department of Greek, students who have completed it may be admitted to Greek IIB after satisfactory completion of substantial vacation studies which will include the reading of Attic prose and verse.

Subject to the general conditions governing elementary courses, Greek IB (Classical) or Greek IB (Koine) may be counted as a qualifying course towards the degree.

In second and third years students who have completed Greek IA may proceed to the courses Greek IIA and IIIA, while those who have completed Greek IB Classical or IB Koine may proceed to Greek IIB and Greek IIIB. The courses Greek IIB, Greek IIIB Pass and Greek IIIB Honours are identical with Greek IA, Greek IIA Pass and Greek IIA Honours respectively. Students may qualify for entry into Greek IV by taking one of the following sequences: *either* IA, IIA Honours, IIIA Honours; *or* IB, IIB Pass, IIIB Honours, IIIA Honours; *or* IB, IIB Honours, IIIB Honours, IIIB Additional. IIIB Honours and IIIB Additional may be taken *either* concurrently *or* in separate years. Students who have completed Greek IIIB Pass may proceed to Greek IIIA Pass and count it as an additional third year course. Candidates for MA Pass in Greek must have completed Greek IIIA Pass.

In all courses except Greek IV, regular written exercises in translation and composition are set, and in Greek IA, IB Koine, IIA and B and IIIA and B students are also required to submit an essay. This written work is an obligatory part of the courses and in the final assessment it is taken into account along with the examination results.

The Frederic Spencer Burnell Prize may be awarded for the best essay written by a student in Greek IIA or Greek IIIA or Greek IIIB. The Woodhouse Medal may be awarded for proficiency in any year except fourth year.

Fourth year honours students in Greek are required to present a thesis and also to take examinations.

For the course Classical Literature in Translation, offered jointly by the Departments of Greek and Latin, see the separate entry under the heading 'Classics Course' placed alphabetically above in these course descriptions for the Faculty of Arts.

### Greek IB Classical

The course includes a thorough study of elementary Greek grammar and syntax, together with the reading of selected Greek prose and verse. There are four lectures each week, in addition to which students may be required to attend a weekly tutorial.

The annual examination is held in November, but for students proceeding to Greek IIB additional reading is prescribed for study in the long vacation and is examined at the beginning of the following Lent term. (Tutorials on these texts will be provided in February at times to be announced.)

The top candidate in Greek IB Classical is eligible for the Max Le Petit Memorial Prize No. 1.

#### Prescribed texts

(a) for language work

J.A.C.T. *Reading Greek (Text)* and *Reading Greek (Vocabulary, Grammar and Exercises)*, (Cambridge U.P.)

(b) for reading, selections from

Xenophon *Persian Expedition*, eds Antrich and Usher (Bristol Classical P.)

Euripides *Scenes from Iphigenia in Aulis and Iphigenia in Tauris*, ed Kennedy (Bristol Classical P.)

(c) for vacation reading for students entering Greek IIB 1988:

Selections from Lysias and Euripides to be prescribed.

(d) Reference book

Liddell and Scott *Abridged Greek Lexicon* (Oxford)

### Greek IB Koine

(1) New Testament Grammar

(2) Prescribed texts:

(a) selections from the Gospel of John

(b) selections from Acts

(c) a small amount of an Epistle (to be prescribed)

(3) Historical, religious and cultural background, illustrated by selected texts.

### Greek IA and IIB Pass

(1) Unseen translation, prose composition and grammar. (Additional tutorials in this section will be arranged for Greek IIB students)

(2) Prescribed books for detailed study:

(a) Plato *Republic* I, ed. Allen (Bradda Books)

(b) Euripides *Electra*, ed. Denniston (Oxford U.P.)

(c) Homer *Iliad* I, eds Harrison and Jordan (Bristol Classical P.)

(3) Reading course: selections from Herodotus (Book VIII) and Attic prose.

### Greek IIB Honours

The honours course comprises the work for the pass course and the following additional elements:

(1) Greek History and Literature, as for Greek IIA Pass

(2) An additional prescribed text (Thucydides VI)

### Greek IIA Pass and IIB Pass

(1) Unseen translation and prose composition

(2) Prescribed books for detailed study:

(a) Aristophanes *Clouds*, ed. Dover abridged (Oxford U.P.)

(b) As for Greek IA and IIB—(b) above

(c) Plato *Phaedo*, ed. Burnet (Oxford U.P.)

(3) Greek History and Literature:

(a) Greek History (404–130 bc)

(b) Prose

### Greek IIA Honours and Greek IIA Pass and IIB Honours

(1) Unseen translation

(2) Prescribed books for detailed study:

(a) As for Greek IIA (Pass)—(a) above

(b) Aeschylus *Prometheus Bound*, ed. Griffith (Cambridge U.P.)

(3) Greek History and Literature, as for Greek IIA Pass

(4) (a) Epic Poetry

(b) Introduction to Greek dialects illustrated by selected texts

(5) Prose and (optional) elementary Verse Composition

### Greek IIB Additional

(Students who have completed Greek IIB Honours with Credit may take this course in addition to Greek IIB Honours in order to qualify for admission to Greek IV.)

(1) Prescribed texts for detailed study

(a) Theocritus, as for Greek IIIA Honours

(b) Thucydides VI, ed. Dover (Oxford U.P.)

(2) Special literature, as for Greek IIIA Honours

(3) Greek philosophy or language, as for Greek IIIA Honours

(4) Where the course is not taken concurrently with Greek IIB Honours, class work in unseen translation will be required.

### Greek IIIA Honours

(1) Unseen translation

(2) Prescribed books for detailed study:

(a) Theocritus *Select Poems*, ed. Dover (Oxford U.P.)

(b) As for Greek IIA Honours—(b) above

(c) As for Greek IIA Pass—(c) above

(3) Greek History and Literature, as for Greek IIA Pass

(4) Special Literature: Comedy

(5) Prose and (optional) Verse Composition

(6) One of the following:

(a) Greek philosophy [to be prescribed]

(b) Greek language: Origins and development to the classical period

(c) An introduction to Byzantine literature and civilisation

(d) Greek Archaeology [to be prescribed]

### Greek IV Honours

(1) Unseen translation

*Four* of the following (subject to the approval of the head of department):

(2) Literature: Comedy

(3) Literature: To be prescribed

(4) History: To be prescribed

(5) Philosophy: To be prescribed

(6) Language: To be prescribed

Candidates will also be required to present a short thesis on some topic related to Greek studies, to be arranged early in December, in consultation with the staff of the department. Bibliographies and guides to study for the above honours courses will be given to candidates at that time.

A candidate who presents himself for honours in both Greek and Latin in the same year may submit one (more comprehensive) thesis, the subject of which will be arranged at the end of his third year in consultation with the heads of both departments.

### DEPARTMENT OF MODERN GREEK

A major aim of all the courses is to develop practical proficiency in the language, especially in the case of beginners and near beginners. But even in these courses, language work is linked to the study of modern Greek history, society and culture. Literature becomes an important subject at more advanced levels of the course, both for its intrinsic interest and for its usefulness in the study of the society in which it was produced. There are also a number of courses on subjects other than language and literature. A variety of options are offered in parts of the higher-level courses.

Pass courses in Modern Greek have been available for eleven years now, though the subject only achieved the status of an independent department on 1 January 1983. IIA(Honours) and IIIA(Honours) were introduced in 1986 and IV(Honours) courses will be given for the first time in 1987.

Students interested in postgraduate study should note that MA(Pass), MA(Hons) and PhD courses are available; the MA(Pass) is a one-year postgraduate course, which can count as a qualification for enrolment in MA(Hons).

The following courses are offered at first year level: *Modern Greek IA*: for students who show proficiency in both spoken and written Greek, and who have achieved an acceptable standard in HSC Modern Greek or in a leaving certificate from Greece or Cyprus; in exceptional cases, a student with excellent knowledge of the language but with no formal qualifications in the subject may be placed in IA. Students who complete IA go on to IIA and then IIIA in succeeding years.

*Modern Greek IAB*: an intermediate level course designed for students who *either* (a) have taken HSC Modern Greek, but need more intensive language work, *or* (b) have reached an appropriate level of proficiency, without having studied the subject at HSC level. The course is intended to help both categories of students to reach a standard high enough to enable them to go on to IIA and IIIA.

*Modern Greek IB*: for complete beginners (who form group IBA) and for students who have some prior knowledge of the language but not sufficient to undertake the IA or IAB courses (these form group IBB). Students with HSC Modern Greek are not normally admitted to the IB course. IB students generally proceed to IIB and IIIB in later years.

Assessment in all courses is partly by examinations or class tests and partly by essays and regular course work. Oral language tests are used at all levels, and carry particular weight in IB and IIB.

All students enrolling in Modern Greek for the first time will be placed by the department in one or other of these courses on the basis of their HSC results and their general level of proficiency in the language, as shown in a placement test to be held at the beginning of the year.

All courses are made up of two parts: a language level segment and a non-language segment. In this way, those with advanced language skills will be able to take language courses appropriate to their knowledge and needs, rather than their progress through the years of the courses. The non-language segments are common to all students of each course.

Intending first year students are asked to contact the

department during the orientation period, in order to obtain further information and to fix a time for a placement test.

### Modern Greek IB

Lecture course (for all students): The Greeks and their world—an introduction to Greek history and society since 1700; (for IBB-intermediate students): Introduction to Modern Greek literature.

Language work will comprise:

- For Group IBA (beginners): 5 hours per week intensive study of the spoken and written language, concentrating on achieving practical proficiency in useful situations.
- For Group IBB (intermediate) 4 hours per week, building on existing oral skills but giving special emphasis to practice in reading and writing.

### Modern Greek IAB

Lecture course: The Greeks and their world—an introduction to Greek history and society since 1700. There will be two hours per week of practical language teaching (in common with most of IA), together with two hours per week of intensive language instruction for IAB only, lasting for the first two terms. Literature work will comprise a tutorial throughout the year and two hours per week of lectures in the third term.

### Modern Greek IA

Lecture courses on: Greek history and society since 1700; Modern Greek traditional culture; introductions to Modern Greek poetry and prose literature. There will be two hours per week of practical language teaching.

### Modern Greek IIB

There will be two courses, following from IBA and IBB in the IB course (see above).

IIBB will be very similar to IA, except that the lecture course on Greek history and society will be replaced by a further practical language course.

IIBA will largely be an independent course, with two hours of oral work, two hours of written work, and two hours of literature. The IIBA group will sometimes join IA and IIBB for literature towards the end of the year.

### Modern Greek IIA (Pass and Honours)

Lectures and seminars on: poetry, Rigas to Palamas; prose fiction from 1880 to the 1930s; post-war Greek theatre. Subjects raised in lectures will be discussed in a tutorial. Students will be asked to choose two half-year seminar options from a list. Topics offered will be chosen by student consultation from a range which may include: the history of Greek education; modernism in Greek and European literature; women in Greek society and literature; Kazantzakis; Venezis; post-war Greek poetry; Greek music; Byzantine art; continuity in Greek civilisation from ancient to modern times; language structures for teachers of Modern Greek; critical approaches to Modern Greek prose literature; migration (with special reference to Greece and Australia). The language classes will aim at the development of students' oral and written competence in the language. Three different language levels will be provided. All will follow for part of the year an introductory course on the structures of modern Greek language.

The honours course comprises the work prescribed for the pass course, with certain additional elements:



lecture / seminar courses on the Greek language question from 1800 to the present day, and approaches to the study of modern Greek society and culture; and two extra half-yearly seminar options at honours level. The latter will be chosen from one or two special honours options, and certain of the pass-course options listed above, for which Honours students will do more extensive reading and assignments.

### Modern Greek IIB

This course is identical to IIA, except that students who completed Modern Greek IIB last year may form a separate tutorial group.

### Modern Greek IIIA (Pass and Honours)

Lectures and classes on Modern Greek prose fiction, 1930 to the present day; Modern Greek poetry, Cavafy to the generation of the 1930s; origins of Modern Greek Civilisation; advanced language work. There will be a half-year tutorial for discussion of issues raised in the prose fiction lectures. Students will be asked to choose three half-year seminar options from the provisional list given above for Modern Greek IIA. The honours course comprises the work prescribed for the pass course, with certain additional elements; lecture / seminar courses giving an introduction to the application of linguistic theories to modern Greek and the methodology of sociolinguistic research, and to theoretical approaches to the study of literature. There will also be a one-term introduction to bibliography and research techniques.

### Modern Greek IV (Honours)

The core course will consist of two elements: history of the Greek language, including some study of Ancient Greek, Classical and Koine, and an advanced practical language course.

In addition, students will be asked to choose two Honours IV options, including two hours each of class time throughout the year. Subjects offered in 1987 will be modern Greek poetry since 1800, modern Greek prose literature since 1800, Byzantine and early modern Greek literature and a sociolinguistic study of modern Greek in Australia.

Each student will write a dissertation of about 15 000 words on a subject chosen in consultation with staff. Individual guidance will be provided.

## HISTORICAL ARCHAEOLOGY

These courses are primarily concerned with an archaeological approach to the study of Australian society in the late 18th, 19th and 20th centuries A.D. Necessarily this study is set in the broader world context.

The aim is to introduce students to historical archaeology, and train them in its methodology, field techniques and theory. Historical archaeology develops a new understanding of historically-documented periods by combining the study of material evidence with written, oral and visual sources. Specific skills in historical, field and analytical techniques are taught. Emphasis is placed on the recognition of major problem areas in the field of Australian history and their relationship to the nature of archaeological enquiry.

The courses are offered by members of the Departments of Anthropology, Archaeology, Architecture, Fine Arts, Geography, History, and Soil Science, together with guest lecturers from outside the University. They are administered by the Inter-departmental Committee for Historical Archaeology. The Course

Co-ordinator is Miss J. M. Birmingham, Senior Lecturer in the Department of Archaeology.

ARTS

### Historical Archaeology II

This interdepartmental second year course is available to all students who have passed at least three first year courses. Compulsory residential field programmes take place in the Easter and May vacations, and shorter field trips or workshops may be arranged in August. Excavation involvement will be offered as available. The course has a strong emphasis on practical work and on documentary research projects on sites or structures. Throughout the year there will be two formal lectures a week, plus a two-hour practical session, short excursion or third lecture, and a weekly tutorial. The course will be offered at pass level only.

### Historical Archaeology III

This course is the same as Historical Archaeology II with the addition of a group project during Trinity term and four weekly seminars in Michaelmas term.

## HISTORY

The Department of History offers a wide range of courses in each of the years History I, II, III and IV. It is possible to take up to five courses in History I, II, and III and count them towards the BA degree, pass or honours:

History I	(one course)
History II	(two courses)
History III	(two courses)

The course History II Pass consists of two units, a thematic unit and a specialist unit. History III Pass consists of two of the following units—a thematic unit, a specialist unit or a seminar unit. (In certain cases a History III Pass student may be admitted to a seminar instead of a seminar unit.)

History II Honours: Each year honours seminars will be attached to particular thematic units and specialist units. History II Honours students must do additional work in one of these.

History III Honours: Students take one of (a) a thematic unit or a specialist unit or a seminar unit, and (b) a seminar or advanced study.

### History I

Students choose one of the following courses in 1987:

- 101 Ancient History
  - 102 Medieval History
  - 103 Early Modern European History
  - 105 Late Modern European History
  - 109 Modern European Expansion, 1870–1970: imperialism, nationalism and social change in colonial Africa and Asia (day and evening)
- The State in Southeast Asia (This is an interdisciplinary course available to History I students which will count as a History I course.)

### History II

#### Thematic units

- T01 The History of the Family
- T04 Religion and Society
- T06 Australian History: The Making of Australian Society
- T07 Themes in American History
- T08 Revolutions
- T09 Modern Imperialism
- T11 History and Representation
- T14 Images of Kingship
- T15 Feudalism: Comparative Studies
- T16 Society, Soldiers and the State

**Specialist units**

- 201 History as They Saw It: The Perspective of the Ancient Near Eastern Sources
- 205 War and the Making of Europe 1453–1713
- 209 Russia since 1801
- 211 Aspects of Modern German History: 1860–1960
- 219 Convicts and the Penal System in Australia
- 231 Women in European History, 1780–1940
- 237 Culture, Politics and Society: The Making of Great Britain from Henry VIII to the Civil War
- 238 The World Turned Upside Down: the metamorphosis of the Roman world of the second century A.D. into the medieval world of the eighth century A.D.
- 245 Aboriginal History since 1788
- 247 From Heresy to Witchcraft: the Inquisition and Social Change in Medieval Europe, c. 1050–1450
- 250 Nationalism in Modern Asia
- 254 The Black Experience in America
- 256 Renaissance Italy
- 257 Contact and Comparison
- 259 Australian Social History
- 261 European Culture in an Era of 'Irrationalism', 'Modernism' and 'Intensity', 1890–1970
- 262 The Individual in Greek History

**History III****Thematic units**

(see above)

**Specialist units**

(see above)

**Seminar units**

- 303 The Celtic World
- 313 Contemporary Europe, 1939–1987
- 315 America and the World
- 321 Urban Development in Australia
- 330 India and England: a Comparative Study of Social Development in the 19th Century
- 364 Australian History
- 368 The Enlightenment and its Enemies
- 369 Science, Technology and the 'Imperial Idea' — the Australian Legacy

**Seminars**

- 415 Australia and the Third World
- 425 The Spanish Civil War
- 426 European Society and Culture, 1880–1914
- 432 Australia in War and Peace
- 441 Australia and the World
- 442 History of Social and Economic Ideas
- 443 Scotland, Wales and England in the 14th Century
- 447 Sex and Gender in Victorian Art and Society
- 450 Pan-Asianism and its Aftermath: Japan, China and Australia, 1853–1986
- 451 American Conservatism from Andrew Carnegie to Ronald Reagan
- 453 The Amarna Age
- 454 Ideology and Authority: Dante to Grotius
- 455 Tsar and People: New Approaches to the Cultural History of Old Russia, 1500s–1917
- 456 Race, Evolution and Society: 'Science' and 'Ideology' in the Rediscovery of Ancient Societies and Cultures 1770–1975
- 457 Society and Political Change in Europe and America 1890–1925

**Advanced Studies**

- 501 Advanced Studies in Ancient History
  - (a) Law and Violence in Ancient Greece
  - (c) Assyrian Imperialism
  - (d) Decay and Regeneration in Roman Political Thought and Practice
- 502 Advanced Studies in Asian History
  - (a) Religious Movements in South Asia in Medieval and Modern Times
  - (b) The Age of the Imperial Guptas (c. A.D. 319–500)

**History IV**

History IV students are required to register with the department in November or December of the preceding year. They will write a thesis and attend two courses—a general seminar and a special study seminar. General seminars are broadly based and conceptual, often with a strong historiographical or inter-area element; special study seminars (some of which are open to honours students in History III) allow the student detailed work in a more specialised area of interest. The thesis and the two courses will each count for one-third of the total mark.

The thesis will be written under the individual supervision of a member of staff. Students and their supervisors see each other regularly and work together to ensure that departmental guidelines on dates for progress and submission are respected. The thesis will be about 20 000 words in length excluding bibliography and will be submitted early in the Michaelmas term. The topics can vary enormously in scope and character, but, while a knowledge of the relevant secondary sources is assumed, all theses will be based on original interpretation of primary sources.

**INDONESIAN AND MALAYAN STUDIES**

The courses offered by the Department of Indonesian and Malayan Studies are intended to provide students with training in the history, languages and cultures of the region. All students will be expected to acquire a command of Bahasa Indonesia; honours students must select an additional language—Old Javanese, Modern Javanese, Minangkabau, Classical Malay, Balinese, Sundanese, Dutch—for study in the second and third years as part of their honours programme. Courses given in the department allow students to pursue interests in history, literature, social anthropology, theatre and politics, but they stress the inter-relationships between these fields in the study of the region.

**Language study**

Language levels are designed to suit individual students. There is a standard language level in each year course, which will suit the needs of the majority of students in that year, but the department will also attempt to cater for the needs of students capable of undertaking more advanced work. Students will not be moved from the standard language level in their year without an interview with one of the language lecturers.

Placement tests (to be held yearly during the orientation period) may be used to help staff to advise students as to the language level most appropriate to their needs. These tests are not designed as hurdles, nor do they serve as means of assessment. Their sole purpose is to assist students and their teachers to isolate their strengths and weaknesses, and then to find the best ways of advancing their language competence.

## Indonesian and Malayan Studies IB

The standard language level for the course is 1.1. The course is a language course intended for students who have no previous knowledge of Indonesian. It caters for two categories of students: those who intend to continue their studies in Indonesian and Malayan Studies in second and third years, and those who need to acquire a basic reading and speaking knowledge of Indonesian (these might include postgraduates or undergraduate students in other courses for which a knowledge of Indonesian / Malay is helpful).

There are 6 hours of classroom teaching each week. Students will be expected to spend about the same amount of time in home study. The course contains a vocabulary of approximately 3000 words and deals with the basic aspects of Indonesian morphology and syntax. On its completion a student will be able to read most texts in Indonesian with a dictionary.

## Indonesian and Malayan Studies IA

### (a) *Language Study*

The standard language level for this course is level 1.2. Advanced students and native speakers of Indonesian may be placed in a higher language level.

50% of the final year's work will be awarded for work completed in this part of the course.

### (b) *The State in Southeast Asia*

The course will explore the origins of the state in Southeast Asia and examine the economic, religious and ethnic factors in the development of the Southeast Asian state from ancient times to the present. It will consider the classical, colonial and independent states of the region in a comparative framework, the region being treated as a field in which the indigenous structures of power and external factors (for example, transcultural religions or Western imperialism) will be examined as variations within this field. The course will deal with examples of state formation selected as case studies rather than attempt to survey the entire region.

The course will count as 50 per cent of the requirement for Indonesian and Malayan Studies IA. Students who have completed the full interdisciplinary course 'The State in Southeast Asia' and wish to take Indonesian and Malayan Studies IA in the following or in subsequent years could be required to take an equivalent alternative option course in lieu of 'The State in Southeast Asia' component.

## Indonesian and Malayan Studies II

### *Prerequisite*

- (a) Indonesian and Malayan Studies IA or
- (b) Indonesian and Malayan Studies IB and at least one other first year subject from Group I of the subjects available for the BA degree.

### 1. Core Course

#### (a) *Language Study*

The standard language level for Indonesian and Malayan Studies II is level 2. Advanced students and native speakers of Indonesian may be placed in a higher level (3 or 4).

This part of the course will be worth 40% of the end of the year result.

#### (b) *Language, Text and Society*

The aims of this course are to increase the reading fluency of students, to create an awareness of texts as 'worlds of words', to train students in textual analysis and to examine the relationships which exist between texts and society.

Students will be expected to read a variety of docu-

ments including newspapers and magazine articles, political speeches, short stories, novels and poetry and scholarly writings. The material to be treated will be organised on the basis of a number of themes such as Islam and society, women in Indonesian and Malaysian society, nationalism and revolution, the individual and society, etc.

This part of the course will require attendance at one two-hour seminar per week, and will be worth 30% of the end of the year result.

### 2. Option Courses

Students will be required to choose one option course from the following areas of study:

- (i) History
- (ii) Politics
- (iii) Customary Law and Society
- (iv) Modern Literatures
- (v) Classical Languages and Literatures
- (vi) Art

Each option course will consist of the equivalent of two semester units.

## Indonesian and Malayan Studies II (Honours)

- (a) One of the following language courses:

- Balinese I
- Classical Malay I
- Javanese I
- Literary Javanese I
- Minangkabau I
- Sundanese I
- Dutch I

- (b) The honours extension of their optional course.

In total the honours course will not involve any more than four hours classroom work per week.

The assessment of students' work will be (a) 50%; and (b) 50%.

## Indonesian and Malayan Studies II Additional

Students must choose two option courses (four semester units) not already taken from the pool of option courses available in Indonesian and Malayan Studies II; however, one course (two semesters) may be selected from the following languages:

- Javanese I
- Balinese I
- Classical Malay I
- Minangkabau I
- Literary Javanese I
- Sundanese I
- Dutch I

Permission of the head of department may be given to students to replace the above languages by Arabic and Sanskrit.

Assessment of students' work will be (a) First option 50%; and (b) Second option 50%.

## Indonesian and Malayan Studies III

Year Co-ordinator: George Quinn (Room 584)

The course consists of two parts:

### (a) *Language study*

Language level 3 is the standard language level for Indonesian and Malayan Studies IIIA (2T / wk)

### (b) *Options*

Students must choose four semester options, at least two of which must constitute an acceptable sequence within the Areas of Study offered by the department.

Assessment of students will be as follows:

- (a) 40%
- (b) 60%

### Indonesian and Malayan Studies III (Honours)

In addition to fulfilling requirements of the pass course, honours students will be required to take:

(a) The second year course of the language option already completed, i.e. one of:

Javanese II	Minangkabau II
Balinese II	Literary Javanese II
Classical Malay II	Dutch II

(b) Honours extensions in each of the two sequential semester options taken as an Area of Study.

In total the honours course will not be more than four hours classroom work per week.

The assessment of students' work will be (a) 50%; and (b) 50%.

### Indonesian and Malayan Studies III Additional

Students must choose two option courses (four semester units) not already taken from the pool of option courses available in Indonesian and Malayan Studies III. One option course (two semester units) may be selected from the following courses:

Javanese II	Literary Javanese II
Balinese II	Sundanese II
Classical Malay II	Dutch II
Minangkabau II	

See under Areas of Study, and Indonesian Regional Languages and Dutch (above).

Permission of the head of department may be given to students to replace the above languages by Arabic and Sanskrit.

Assessment of students' work will be: (a) First option 50%; and (b) Second option 50%.

### Indonesian and Malayan Studies IV

The course will consist of:

(a) *Language study*

Language level 4 (2T / wk) 20%

(b) *Two option courses* (15% each) — in the disciplinary areas of literary studies and/or social sciences. With the prior approval of the department, courses may be taken outside the department itself. 30%

(c) *Thesis*

A thesis (15–20 000 words) on an approved subject should be submitted before the end of the lecture period in Michaelmas term. 50%

Note:

With the prior approval of the department, variations to the programme may be made as follows:

(a) Students may be permitted to spend Lent term in Indonesia, Malaysia and/or Singapore

or

(b) Students may be permitted to complete some part of their IV year work at another institution, either in Australia or overseas.

In the event of either (a) or (b) being approved, the IV year programme will be as follows:

(1) Examination in either Bahasa Indonesia, Bahasa Malaysia or an approved regional language upon return at the end of Lent term. 20%

(2) A written report to be submitted on the research work done whilst away from this department. 10%

(3) One option course 20%

(4) Thesis. 50%

### A joint Honours Degree in Indonesian and Malayan Studies and another subject

Candidates for honours in Indonesian and Malayan Studies, who have completed Courses II and III at

honours level in another subject offered for the BA degree may, with the approval of the Faculty on the recommendation of the heads of department concerned, complete for the fourth year a course consisting of honours options offered in Indonesian and Malayan studies and that other subject.

### ISLAMIC STUDIES

For Islamic Studies I, see the course description following Arabic under the entry for Semitic Studies in this section of the Calendar.

### ITALIAN

Courses in Italian are given in two streams, A and B, in first and second years.

The first year of an Italian course concentrates on language acquisition in the case of IB, which is for students without formal experience of the language, and language consolidation in the case of IA, which is for students with HSC Italian, or its equivalent. Other areas are also studied in first year, namely a variety of literary forms of the twentieth century, within their cultural/historical context.

#### Evening courses

Italian IB is regularly offered as an evening course. Italian IIB may be offered in the evening in 1987, subject to demand and funding. Students wishing to complete Italian IIB (Evening) should advise the head of department in writing as early as possible. There is, however, no provision for A-stream, honours or third-year courses in the evening.

#### Course sequences

Italian IB students who successfully complete their course have the choice of proceeding to IIB as a single course, or may proceed to study two courses in their second year: Italian IIB and IIB Additional. Those who are eligible to enter IIB Honours may also enrol in IIB Additional. The IIB Additional course is for those who wish to concentrate their studies in the area of Italian, and emphasises the acquisition of language skills, comprehension, speaking, reading and writing. Italian IIB Additional is recommended for those who wish to specialise in Italian, particularly B-stream students who intend to proceed to Italian III and IV. *Note:* Since the number of places in the Additional course is limited, students are advised to consult the second-year coordinators before officially enrolling in the course.

Italian IA students normally proceed to Italian IIA. The A and B streams for first and second year converge in Italian III.

There are three honours courses in Italian. The sequence of honours courses is listed below. Students who pass IA or IB with a credit or better may enrol in the honours courses in second year and proceed to a four-year honours degree in Italian Language and Literature. This is open to B-stream students as well as A-stream students, but B-stream students are encouraged (though not obliged) to take Italian IIB Additional as well. There is special provision made for those who have achieved a high result in Italian II and who may wish to proceed from a pass to an honours course. Each case is considered on its merits and no guarantee of acceptance can be given.

The second year course offers a set of core subjects, complemented by a range of options from which the student may choose. The core areas cover language consolidation and extension, both written and spoken, a lecture and tutorial series on the history of ideas and a lecture series on linguistics. The options

cover Italian language, literature and linguistics. There are some restrictions on eligibility, and students are advised to check carefully before proceeding to purchase textbooks.

The third year course introduces classics of Italian literature and also offers a choice of options. In addition there are certain compulsory courses for honours students in the areas of literature, literary theory and linguistics. The language skills developed during the first two years of the course are consolidated in third year.

The courses in Italian literature and language combine well with other literature and language courses and with Philosophy, History, Fine Arts and Music. A knowledge of Latin will be a valuable resource for any student intending to specialise in early literature or philology. The course Classical Literature in Translation II/III will also be a valuable adjunct to studies in higher years of Italian.

The sequence of courses in Italian is as follows:

#### Pass

IB	IB	IA
IIB	IIB	IIA
III	IIB Additional	III
	III	

#### Honours

IB	IB	IA
IIB Honours	IIB Honours	IIA Honours
	IIB Additional	
III Honours	III Honours	III Honours
IV (Honours)	IV (Honours)	IV (Honours)

## LATIN

Courses in the department deal with various aspects of Roman civilisation. Language study is regarded not as an end in itself but as a critical tool for the appreciation and understanding of Latin literature and Roman history, civilisation and society.

### Latin IB

**Prerequisite:** Nil (knowledge of another foreign language would be an advantage, however). Latin IB is an *elementary course* for the purpose of degree requirements.

Examination, and test on long vacation reading in March for students proceeding to Latin IIB.

This course aims at providing students with a basic knowledge of the Latin language. From an early stage students will read texts in Latin.

Latin IB may be counted as a qualifying course towards the BA degree without necessarily being followed by Latin IIB and IIIB. Students are strongly advised to read carefully Chapter X of the by-laws in the Statutes section of this *Calendar* dealing with degree requirements—IB (elementary) courses.

Each student will need a Latin grammar and a Latin-English dictionary.

#### Reference books

B. H. Kennedy—*The Revised Latin Primer* (Longmans)

Lewis and Short—*A Latin Dictionary* (Oxford U.P.)

### Latin IA, IIA and IIIA; Latin IIB and IIIB

Roman civilisation is in many ways indebted to that of the Greeks. For advanced studies therefore a knowledge of Greek is essential.

Students who are considering taking Honours in Latin, and who have not previously studied Greek, are strongly advised to take the Greek IB course early in their university career. The Department of Latin expects students entering Latin IV to have attained at least the standard of Greek IA.

### Latin IA

1. *Reading course* (1 hour per week)

Material will be selected from:

*Lent term*

Ovid *Fasti*

*Trinity term*

Cicero *Somnium Scipionis*

*Michaelmas term*

Catullus

Material from these authors will be made available to classes.

2. *Works for detailed study* (3 lectures per week)

*Textbooks*

*Lent term*

Petronius

*Trinity term*

Virgil *Aeneid* IV, ed. R. G. Austin (Oxford U.P.)

*Michaelmas term*

Seneca *Apocolocyntosis*, ed. P. T. Eden (Cambridge U.P.)

3. *Tutorials* (one hour per week)—Studies in Roman history and society, and Latin literature.

These will provide background information on various subjects in Roman studies.

4. *Language study* (one hour per week)

This will include translation into and from Latin, and study of stylistics and comprehension.

#### Reference books

A dictionary—see above under Latin IB

A Latin grammar, such as

B. H. Kennedy *Revised Latin Primer*

Gildersleeve and Lodge *Latin Grammar* (Macmillan)

E. C. Woodcock *A New Latin Syntax* (Bristol Classical Press, reprint, 1985)

### Latin IIB

**Prerequisite:** Latin IB.

Course content as for Latin IA above.

### Latin IIA (Pass)

**Prerequisite:** Latin IA.

1. *Works for detailed study* (2 hours per week)

*Textbooks*

*Lent term*

Plautus *Casina*, ed. T. MacCary and M. Willcock (Cambridge U.P.)

*Trinity term*

Virgil *Georgics* IV (in *Georgics* I & IV, ed. G. Huxley) (B.C.P.)

*Michaelmas term*

Cicero *Pro Caelio*, ed. R. G. Austin (Oxford U.P.)

2. *Literary genres* (one hour per week)

A series of lectures will be given each term on an important genre in Latin literature.

Lectures will cover:

(a) drama

(b) didactic

(c) rhetoric

3. *Roman history* 264–44 B.C. (one lecture or seminar per week)

**Textbooks**

H. H. Scullard *A History of the Roman World 753–146 B.C.* (Methuen, 1981)

H. H. Scullard *From the Gracchi to Nero*, 5th edn (Methuen, 1982)

4. **Language study** (one hour per week)

The aim of this course is to give intensive training in the understanding and use of Latin. Regular assignments in translating passages from and into Latin will be given.

### Latin IIA (Honours)

1. **Works for detailed study**

As for IIA (Pass). This course will be taken by honours and pass students together.

2. **Studies in Latin Literature**

Honours students too will take the lecture courses on literary genres and the lecture course on the period 264–44 B.C., with Latin IIA (Pass). In addition, three termly courses will be taken from each of two option streams, History, Society and Thought, and Language, Literature and Art.

3. **History, Society and Thought**

Poetry and Propaganda (1 term)

Cicero *De Re Publica* (1 term)

Roman History (2 terms)

Roman Women (1 term)

**Language, Literature and Art**

Sallust

Lucretius or Catullus

Theory and Practice of Translation

Virgil *Eclogues*

Genre in Latin Poetry

Ovid *Ars Amatoria*

4. **Language study**

Regular assignments will be given in translating from and into Latin, at an appropriate level.

### Latin IIIB (Pass)

**Prerequisite:** Latin IIB.

Course content as for Latin IIA (Pass) above.

### Latin IIIB (Honours)

Course contents as for IIA (Honours) above.

(N.B. Students who have satisfactorily completed Latin IIIB (Honours) and who wish to proceed to Latin IV should consult the head of the department.)

### Latin IIIA (Pass)

Second and third year pass courses in Latin are given as a unit. Students intending to take Latin IIIA should, therefore, consult the Latin IIA programme.

### Latin IIIA (Honours)

Students taking Latin IIIA (Honours) take the same courses as those in IIA (Honours). They will also take the course:

*Textual criticism* (one hour per week)

### Latin IV

Topics are arranged in consultation between the students and the department: they can be either quite broad, or fairly restricted and intensive. Courses will be arranged in:

1. Literature

2. Textual criticism

(Latin IV students will take this unit along with Latin IIIA (Honours) students)

3. History

4. Thought

5. Language and stylistics

6. Written work.

Students are required to present either 2 long essays during the year, or a single thesis: they will make their choice after consultation and discussion with the department.

Students intending to enter Latin IV are asked to consult the head of department before the end of their third year, to discuss their proposed courses and written work.

### CLASSICS IV

A student who has completed the requirements for entry into both Greek IV and Latin IV may, with the permission of the heads of both the Department of Greek and the Department of Latin, elect to undertake a final joint honours year in Classics (see Senate Resolutions 31(2) and 32(2)). The course in Classics IV Honours will comprise such parts of the final honours courses in Greek and Latin as may be approved by the faculty on the recommendation of the heads of the two departments in each individual case.

Students who are thinking of becoming candidates for Classics IV Honours are advised to consult with both departments as early as possible in the preceding year.

### LEGAL SCIENCE SUBJECTS

For details of the following subjects see under Faculty of Law:

#### Legal Institutions

#### Public Law

#### Common Law (comprising Torts and Contracts)

### LINGUISTICS

The department offers the following undergraduate courses:

Linguistics I

Linguistics II (pass and honours)

Linguistics III (pass and honours)

Linguistics IV (honours)

Linguistics I is a general introduction to the study of language, designed both as a self-contained course for those not intending further study in linguistics and as a prerequisite for Linguistics II. Linguistics II and III are offered to both pass and honours students.

#### Linguistics I

(101) Dynamic Aspects of Language

(102) Language Learning and Language Use

(103) The Structure and Function of Written English

**Note:** See also the course Aboriginal Performing Arts, offered jointly by the Departments of Music, Anthropology, Linguistics, English and Fine Arts, included at the end of the entry for the Department of Music below.

#### Linguistics II (Pass)

(201) Phonology and phonetics

(202) Functional grammar

(203) Discourse and register

#### Linguistics II (Honours) and Linguistics III (Pass and Honours)

Each course is assigned a point value (2, 3, 4 or 6) coded in the last digit of the course number. Linguistics III Pass students must attain 16 points; Honours

students must attain 30 points over their second and third years, at a credit level, to enter Linguistics IV.

Paired courses are offered in alternate years; check with the department for current offerings. Linguistics 3066 is offered occasionally.

- 3012 Introduction to Formal Grammar
- 3022 Acoustic Phonetics
- 3034 Phonological Theory
- 3044 Functional Semantics
- 3054 Linguistic Stylistics
- 3066 Structure and Use of a Language Other than English
- 3076 Developmental Linguistics
- 3084 Australian Languages
- 3094 Language Development
- 3104 Language in Education
- 3116 Field Methods
- 3126 Comparative Linguistics
- 3133 Language and Sociocultural Order\*
- 3143 Oratory and Political Disputes in Highland New Guinea\*

\* Offered in Anthropological Linguistics programme (cannot be credited to both Linguistics and Anthropology; 3133 open to honours and pass students by special arrangement; 3143 for honours students only).

## Linguistics IV

Students write a dissertation and take two courses, 401 and 402; or, with permission, one of these plus one from Linguistics 551–572

- (401) Systemic theory
- (402) The study of linguistic variation
- (551) Theories of second language development
- (563) Language testing
- (565) English for Specific Purposes
- (571) Approach, Procedure, Technique: analysis of second language teaching methodology
- (572) Bilingualism

## MATHEMATICS

### Mathematical Statistics

### Applied Mathematics

### Pure Mathematics

See under Faculty of Science.

## MODERN GREEK

See above under Greek.

## MUSIC

The Department of Music provides a four-year course leading to the BA honours degree in Music, and three- and four-year courses leading to the BMus pass and BMus honours degrees, respectively. The award of the BMus degree is governed by the Board of Studies in Music under separate regulations (see Chapter Xd of the by-laws and appended Senate resolutions). Pass courses in Music (up to five courses in all) may also be taken as units counting towards the BA pass degree. (*A brochure describing all available courses and a syllabus listing their content in detail may be obtained from the department.*)

**Entrance requirements:** The first year of Music may normally be taken only by students reaching the 61st percentile in the 3 unit or 2 unit Music course at the HSC examination. In certain circumstances students who have not taken either of these courses may be admitted after passing a departmental musicianship test. Prospective candidates should consult the head of department.

Students must register with the department, during the orientation period, before beginning each year of any course.

All BA honours and BMus students must complete the Pass courses Music I, II and III. Details of additional courses available for BA Pass students in second and third years are given below. Additional requirements for honours BA students are also given below; the additional requirements for BMus students are provided in the syllabus obtainable from the Department of Music and also in the courses of study section of the Calendar headed 'Board of Studies in Music' (following the course descriptions for the Faculty of Medicine).

Participation is required in the departmental choir, orchestra, gamelan, or in a chamber group.

*All students, especially honours students, must be proficient at the keyboard—they should be able to perform music of a technical standard equivalent to that of the simpler movements of Beethoven's Piano Sonatas. Students lacking this skill on entry to the department will be expected to acquire it during their course.*

## Music I

Aural class; concepts of melody, harmony and rhythm; the history of Western European music to 1700; Western European music of the twentieth century; ethnomusicology.

## Music II (Pass)

Aural class as for Music I, but in greater depth; 18th-century counterpoint, and 18th- and 19th-century harmony; the history of the music of Western Europe from 1700 to 1890; ethnomusicology; structure and analysis of music, and study of scores, especially J. S. Bach's cantata *Lobet Gott in seinen Reichen* (*The Ascension Oratorio*), BWV 11; Haydn, String Quartet in C, op. 33 no. 3; Mozart, Piano Concerto in C minor, K.491; Beethoven, String Quartet in E minor, op. 59 no. 2, and Piano Sonata in E, op. 109; Schubert, *Die Schöne Müllerin*; Schumann, *Liederkreis*, op. 39; Wagner, *The Ring of the Nibelung*. Students must expect to buy their own scores of most of these works, since there are insufficient loan copies in the departmental and in Fisher Libraries.

## Music II Additional (for Pass BA only)

Corequisite: Music II (Pass).

Three of the following options: a study of 16th-century embellishment, involving both composition and performance; Orchestration I; Composition Special; Performance Practice; Electronic Music.

## Music II (Honours)

Work additional to Music II (Pass):

Sixteenth-century contrapuntal and harmonic techniques.

Keyboard work: details available in the department.

## Music III (Pass)

Aural class as for Music II, but at a more advanced level; harmony and counterpoint in 20th-century styles; ethnomusicology; structure and analysis of music, especially Debussy, *L'après-midi d'un faune* and Preludes, books 1 and 2; Bartok, String Quartet no. 4; Stravinsky, Octet and *Requiem Canticles*; Schoenberg, Five Orchestral Pieces, op. 16; Webern, Symphony, op. 21; Berg, *Lyric Suite*. Students should buy their own scores.

Details of the options available are available from the department.

### **Music III Additional** (for Pass BA only)

Prerequisite: Music II and Music II Additional.

Corequisite: Music III.

Introduction to Musicology and Ethnomusicology.

Two seminars from those offered for BA Honours or BMus (list available in the department).

### **Music III (Honours)**

Work additional to Music III (Pass): Introduction to Musicology and Ethnomusicology.

Keyboard work: details available in the department.

Two seminars.

### **Music IV (Honours)**

Three seminars.

The ability to read scholarly writing on music and musicology/ethnomusicology in French *or* Italian *or* German *or* Latin must be acquired before or during the year. A translation paper will be given at a date to be arranged. Dictionaries may be used.

An original thesis on a subject will be chosen by the candidate in consultation with the head of department, not later than 10 December of the year prior to the date of the final examination. Its length should be between 10 000 and 12 000 words. The completed thesis must be submitted to the head of department by 15 October immediately preceding the final examination.

### **Aboriginal Performing Arts** (not available in 1987)

This course became available for the first time in 1984 at second year level. It may be taken by any student who has completed one of the following: Music I, Anthropology I, Linguistics I. Students not having these prerequisites may, with the permission of the head of the Department of Music, be permitted to enrol in the course.

The course focuses on the Aboriginal performing arts, their interrelationships one to the other, and their place within Aboriginal culture. The arts in Aboriginal society are not, as is often the case in western culture, practised in isolation either one from another or from other broader aspects of culture. In ritual contexts, music more often than not accompanies dance; painting or sculpture is rarely executed without the singing of sacred songs; song is the only form of poetry. Complexes of songs, dances and visual designs are the most cogent and sacred forms in which religious and social values are expressed.

The intimate links between the Aboriginal arts necessitates an interdisciplinary approach. Lecturers in the course will be drawn from the departments of Music, Anthropology, Linguistics, English and Fine Arts.

### **Arts in the culture of the Gidjingali of North Central Arnhem Land**

*Lent term:* Social organisation; the Gidjingali language; song, dance and the visual arts.

### **The arts in Aboriginal society (pan Australia)**

*Trinity term:* Linguistics and its relationship to oratory, story-telling and song; totemism and the visual arts; ethnographic film; song, dance and verbal discourse.

### **Aboriginal performing arts in a changing environment**

*Michaelmas term:* Theory of syncretism in anthropology and ethnomusicology; non-traditional music and dance in their social context; Aboriginal visual arts in European styles.

## **NATURAL SCIENCE SUBJECTS**

### **Biology**

### **Chemistry**

### **Geology**

### **Physics**

For details see under Faculty of Science

## **ORIENTAL STUDIES**

In both Chinese and Japanese, courses are available for candidates in A and B streams for the pass degree and there are additional final honours courses for candidates for the honours degree. An elementary course (IB) is offered in both subjects and for those who have no previous knowledge of the subject concerned, the appropriate elementary course must be taken first. The general regulations governing elementary courses are set out in Chapter X of the by-laws.

Students intending to take Chinese IB or Japanese IB should consult with the head of the Department of Oriental Studies before making their enrolment. Students proposing to enter Chinese IA or Japanese IA should similarly consult the department unless they have passed in either 3 unit or 2 unit Chinese or Japanese at a satisfactory standard at the HSC examination or other equivalent examination.

Additional second and third year courses are offered in both Chinese and Japanese. Chinese/Japanese II Additional is available to students enrolled concurrently for either Chinese/Japanese IIA or IIIB, and Chinese/Japanese III Additional is available to students enrolled concurrently for Chinese/Japanese IIIA. Chinese IIB Additional is available to students enrolled concurrently in Chinese IIB.

Intending honours students who commence with an elementary course in Chinese or Japanese should note that if they obtain a credit result or better in both the IB course and the IIB course and if they have completed three other qualifying courses, they may apply to the faculty through the head of department for permission to take the Honours IIIB and Honours IIIA courses in Japanese and the IIIB plus IIA Honours component and the Honours IIIA course in Chinese concurrently in the following year. If approved, the honours degree may thus be completed in four years. In Chinese IIB, an honours course is offered. Students will be required to take the Chinese IIB Additional course. In their third year they will take Chinese IIIA (Honours) and Chinese III Additional. Students starting their honours course in Chinese IIIB will take Chinese IIA (Honours).

### **Chinese IB**

This course assumes no previous knowledge of Chinese. It consists of introductory lectures on Chinese language, literature and history and classes for the reading of introductory texts and in spoken Chinese. Attendance is required at all lectures and classes.

### **Chinese IA**

1. Modern Chinese composition and conversation.
2. Chinese history—history of thought in China.
3. Introduction to classical Chinese.
4. Selected modern texts.



## Chinese IIB

(see Chinese IA above)

## Chinese IIB (Honours)

As Pass and in addition:

Special author for study: Lao She (1898–1966)

## Chinese IIB Additional

1. Composition
2. Modern drama
3. Readings in the history of Chinese literature
4. Chinese history—Imperial China: Han-Sung

## Chinese IIA (Pass)

1. Four units from the optional courses; at least one unit is to be chosen from classical Chinese and one from modern Chinese.

2. Modern Chinese composition and conversation.
3. Chinese history—Imperial China: Han-Sung.

## Chinese IIA (Honours)

As Pass and in addition:

4. Special author for study: Lu Hsün (1881–1936).

## Chinese IIIB (Pass)

(see Chinese IIA above)

## Chinese II Additional

Four units from the list of optional courses not already taken in Chinese IIA or IIIB.

## Chinese IIIA (Pass)

1. Four units from the optional courses; at least one unit is to be chosen from classical Chinese and one from modern Chinese.

2. Modern Chinese composition and conversation.
3. Chinese history—Imperial China: Yüan-Ch'ing.

## Chinese III (Honours)

As Pass and in addition:

4. Special author for study: Wang Wei (699–701).

## Optional courses

Poetry of the Sung dynasty

Classical historical texts to the first century A.D.

Classical fiction: T'ang *ch'uan-ch'i*

Ming short stories

Modern fiction 1919–1949

Modern poetry

Modern essays on literature

Neo-Confucian texts

## Chinese III Additional

Four units from the list of optional courses not already taken in Chinese IIIA.

## Chinese IV (Honours)

1. Chinese Literature: Late Ch'ing and 20th-century writers.

2. Chinese History: 20th-century history.

3. Chinese Thought: Ch'ing and 20th-century Chinese thinkers.

4. Japanese for Chinese studies.

Candidates will also be required to present a short thesis on some sinological topic.

## Japanese IB

This course assumes no previous knowledge of Japanese. It consists of introductory lectures on Japanese civilisation, classes for the reading of simple

modern Japanese texts, and classes in spoken Japanese.

Attendance is required at all lectures and classes.

## Japanese IA

1. Composition and conversation.

2. Selected modern texts.

3. Japanese history to 1800.

## Japanese IIB

(see Japanese IA above)

## Japanese IIA (Pass)

1. Composition and conversation.

2. Four units from the optional courses listed at the end of Japanese IIIA; one unit and only one must be chosen from the historical units.

## Japanese IIA (Honours)

As for pass but with additional literary texts.

## Japanese II Additional

Four units from the list of optional courses not already taken in Japanese IIA or IIIB.

## Japanese IIIB (Pass)

(see Japanese IIA above)

## Japanese IIIB (Honours)

(see Japanese IIA (Honours) above)

## Japanese IIIA (Pass)

1. Seminars in spoken Japanese.

2. Composition.

3. Four units from the optional courses listed at the end of Japanese IIIA.

## Japanese IIIA (Honours)

As pass and in addition:

4. Special author for study: Natsume Sōseki (1897–1916).

## Optional courses

Topics from Japanese history to the 17th century

Japanese history 1800–1912

Shōwa literature

Readings from modern drama

Non-literary texts

Introduction to classical Japanese

History of Japanese literature to the end of the Muromachi period

Introduction to Japanese linguistics

## Japanese III Additional

Four units from the list of optional courses not already taken in Japanese IIIA.

## Japanese IV (Honours)

1. Modern Japanese literature.

2. Japanese linguistics.

3. Japanese thought.

4. Japanese performing arts.

Candidates will also be required to present a short thesis on a linguistic, literary or historical topic.

## PHILOSOPHY

### Department of General Philosophy Department of Traditional and Modern Philosophy

There are two departments in the school of Philosophy, the Department of General Philosophy (Philosophy [G]) and the Department of Traditional and Modern Philosophy (Philosophy [T]). There is a common Philosophy I course, taught and administered by both departments, which qualifies students to go on in either department. After the first year, there are provisions for students in either department to take some course units in the other and students may take full courses in both departments, counting them as separate units towards a degree.

### Philosophy I

The first half-year consists of two courses: (1) An Introduction to the Theory of Knowledge and (2) An Introduction to Moral and Political Philosophy.

In the second half-year, students choose two options, one from each of two groups. The first group contains *The Nature of Moral Judgments*, *Critique of Social Theory*, *Origins of Western Philosophy* (Plato and Aristotle), *Elementary Logic*, and *Problems in Metaphysics*.

The second group of options contains *Aesthetics*, *Feminism*, *Criticism and Argument*, and *Marxism*.

### General Philosophy

The Department of General Philosophy sees philosophy as concerned with critical reflection on the major forms of human theory and practice—forms of inquiry and systems of belief, in the natural and social sciences for example, social and cultural movements, and political and ethical ideals and practices. Courses are presented in four main programmes: History of Philosophy; Epistemology, Logic, and Philosophy of Language; Marxism, Political Philosophy; and Theories of Human Existence. Full details of courses are available from the department.

### General Philosophy II and III

The department provides a wide range of options within a flexible structure enabling each student to choose a suitable group after consultation with staff. All options are open to both second and third year students and the list may be changed from year to year.

#### Requirements

*Pass.* A choice of four options.

*Honours.* Either a choice of five options, or four with one nominated as an honours option in which substantial research work will be required.

### General Philosophy IV (Honours)

Students write a thesis and take the equivalent of six half-year seminar courses chosen from various courses offered in both departments. However, the major part of each student's work must be completed in the Department of General Philosophy.

### Traditional and Modern Philosophy

The Department of Traditional and Modern Philosophy offers a structured course, where each year's work is designed to build upon the previous year's work. Central areas and central problems of the discipline are emphasised. There are units in Metaphysics and Epistemology, Logic and Language, Moral and Political Philosophy, and History of Philosophy, in each year. Many of the courses involve exposition and

criticism of the thought of the great philosophers, although their relevance to contemporary philosophical investigation is constantly brought out. Full details of each year's courses are contained in booklets obtainable from the department.

### Traditional and Modern Philosophy II and III Requirements

*Pass.* A choice of three options.

*Honours.* A choice of four options.

There are a few restrictions. Honours students, in particular, must take Elementary Logic in their first year. A wide range of options is available in any particular year.

### Traditional and Modern Philosophy IV (Honours)

Students write a thesis, under supervision, and take the equivalent of four half-year seminar courses chosen from various courses offered in *both* departments. They also attend the (full-year) departmental seminar.

## PSYCHOLOGY

See under Faculty of Science.

## RELIGIOUS STUDIES

The Department of Religious Studies aims at providing an understanding of the phenomena of religion within the total context of Primal, Eastern and Western cultures. Its methods are those of history, sociology, psychology and phenomenology, applied to specific areas of human experience.

Students may take Religious Studies courses either as an element in the pass BA degree, or may proceed to an honours degree in Religious Studies. The honours degree will provide the type of basic qualification eminently suitable for teachers of religion at the secondary or tertiary level, or for workers in intercultural situations.

It should be made clear that the department's approach is non-confessional, so that staff and students may be of any faith or none.

The overall structure of courses is still only provisional, and may be modified in future years. The present pattern, however, is that after broadly based intercultural studies in year II, the student will be able in years III and IV (for honours) to specialise in Eastern religions, the world of early Christianity and (at the honours level) in other areas.

Students wishing to enter Religious Studies II (Pass) must have passed at least two first-year courses. Students wishing to enter Religious Studies II (Honours) must in addition normally have reached credit standard in one of the following courses: Biblical Studies I, Anthropology I, History I, Philosophy I, Psychology I, Greek IA. Students wishing to enter third-year Religious Studies courses (Pass or Honours) must have reached credit standard in the appropriate second-year courses. Dispensations may be negotiated with the head of department in certain circumstances.

### Biblical Studies I

#### Introduction to the Literature and Religion of the Bible

This introduction to the history, literature and religion of the Bible touches on many interesting questions concerning archaeology, geography, the relationship between ancient Israel and surrounding

cultures, the formation of the Bible and the foundation of the Judaeo-Christian religious tradition.

The course provides a background for further study in both Biblical Studies II and Religious Studies II.

## Religious Studies II (Pass)

### An Introduction to the History of Religions

A general introduction to the history and phenomenology of religion, covering a very wide area from the Stone Age to modern religious movements, from theories about religion (including Marx and Freud) to secular alternatives to religion. The course includes a survey of primal religion (including Australian Aboriginal), ancient religion (including Egypt, Greece and Rome), and the Great Religions (Hinduism, Buddhism, Judaism, Christianity and Islam); it also considers themes in religion (power, sexuality, consciousness expansion etc.) The approach is thematic and phenomenological, and students are expected to specialise in traditions or themes of their own choice in writing essays and preparing for examinations.

## Religious Studies II (Honours)

- (1) As for Religious Studies II (Pass).
- (2) Problems of method in the study of religion.
  - (a) Recent history of the non-confessional approach to the study of religion, with particular reference to the rise and fall of evolutionary theory, and to the methods and approaches of the phenomenology of religion.
  - (b) Alternative methodological approaches to the study of religion.

## Religious Studies III (Pass)

This course is divided into half-yearly units. Students may elect to take one unit in the first half of the year, and one unit in the second. Units may be combined freely, except that no two units may be taken simultaneously. Units 1, 3, 5, 7 and 9 will be offered in the first half-year, units 2, 4, 6, 8 and 10 in the second. Unit 11-12 will run throughout the year.

### III/1 The Hindu Tradition

This course provides a concise but comprehensive and systematic survey of Hindu thought in its three main phases: (1) prior to the emergence of the six systems or Darśanas (insights into reality), from the earliest times to fourth century B.C.; (2) during the period of the six systems, from the fourth century B.C. to the eighteenth century A.D.; and (3) after the period of the six systems, from the nineteenth century onwards when individual thinkers like Roy and Gandhi, rather than the systems, become representative of Hindu thought.

### III/2 Buddhism

The great foil to Hindu thought in the history of Indian philosophy is Buddhist thought, the pre-eminent representative of the *śramana* tradition vis-à-vis the *brāhmana* tradition covered in the first semester. This course will provide an introduction to the three jewels of Buddhism: the Buddha (his life and legend), the Dhamma (his doctrines), and the Sangha (the Order of monks and nuns he founded). The course will concentrate on the Buddhist doctrines as developed in both Theravāda and Mahāyāna Buddhism in India.

### III/3 Philosophy and the Phenomenon of Religion A

This course deals with such issues as grounds for belief and disbelief in God, the nature of revelation and religious language, the problem of evil, etc., from the standpoints of both western and eastern thought.

### III/4 Philosophy and the Phenomenon of Religion B

A course concentrating on select philosophies of time, cosmic cycles and history.

### III/5 New Testament Studies A

This course investigates the extent to which some of the distinct theologies present in the New Testament have been motivated and influenced by social pressures upon the communities for whom they were produced. Such an approach to the origins of Christianity is an exercise in the sociology of knowledge, as pioneered by Emile Durkheim and elaborated recently by Peter Berger. Topics covered include the historical Jesus and his followers, early Palestinian Christianity, Paul's communities in the Diaspora and Mark's Gospel.

### III/6 New Testament Studies B

This unit concentrates on the Judaic background of early Christianity, with a view to demonstrating the essential continuity of the Old and New Testament traditions.

### III/7 Sociology of Religion

The sociological tradition in western thought, with particular reference to the examination of religious institutions and the formation of theories to account for continuity and change in the world of religion.

### III/8 New Religious Movements

An introduction to the phenomena of new religious movements, from the late nineteenth century to the present day, considering the socio-cultural situations in which they have appeared, the themes manifested in them, and social reaction to them. Movements upon which the course will focus include: Hare Krishnas, Scientology, Children of God, 'Moonies', Rajneesh, Ananda Marga, Transcendental Meditation. The course will also consider the rise of neo-paganism and Fundamentalism, and will examine the controversies that have surrounded the new religious movements (including brainwashing, deprogramming, the role of the media in religious controversy, religion and law, etc.)

### III/9 Themes in Western Religion

An examination of the processes of sacralisation and secularisation in the Western tradition.

### III/10 Japanese Buddhism

An introduction to the history and philosophy of Buddhism in Japan, examining the transformations of Buddhist thought from its first entry into Japan through to the rise to the new sects in recent decades. It analyses the basic teachings of the Sanron, Hosso, Kegon, Tendai, Shingon, Zen, Jodo, Jodo-Shin and Nichiren sects, indicating their various influences on Japanese art and culture.

### III/11-12 Indigenous Religions of the Far East

The course is an introduction to indigenous Far Eastern religions as distinct from the imported religions of Buddhism, Christianity and Islam. It examines Chinese religion in the pre-Buddhist period from the Shang to the Han dynasties, popular Chinese religion, and the various philosophical developments of Confucianism and Taoism. It then turns to the Japanese Shinto tradition, Shinto-Buddhist assimilations, the Confucian and Taoist elements in Japanese religion, Shinto in the Meiji period, Japanese folk religion, with special reference to shamanism, and the rise of new religions in modern Japan.

**Religious Studies III (Honours)**

Honours students take the following tutorial/seminar course, together with Religious Studies III (Pass).

**Problems and Methods in the Study of Religion**

A tutorial-seminar course in which detailed consideration will be given to selected methodological and phenomenological subjects. This year the main subjects will be: encounters between different religions and cultures; and the nature of religious experience, individual and corporate.

**Religious Studies IV****The Phenomenology of Religion: Aims and Approaches**

The course has two parts, A and B.

Part A consists of a double seminar (two hours per week), which will deal with the phenomenological and hermeneutical traditions in the study of religions. This will mainly take the form of intensive reading and analysis of the works of leading scholars in the area. This year particular attention will be paid to Ninian Smart, Wilfred Cantwell Smith, C. J. Bleeker and Mircea Eliade. Students will be required to complete three written assignments during the year. Comprehensive reading lists will be made available.

Part B consists of a Guided Reading Course leading to a sub-thesis. The programme of study will be arranged by consultation with the head of the department, and the amount of contact time with the student's designated supervisor will be the same as in Part A.

In Michaelmas term, students will be required to present a thesis on a topic arranged in consultation with the staff of the department. The topic will normally arise out of the Guided Reading Course in Part B, and should be about 15 000 words in length.

**SEMITIC STUDIES****HEBREW**

The Department of Semitic Studies offers a three-year pass course to students starting to learn the language. It also offers a three-year pass course to students coming to the department with HSC Hebrew or its equivalent. Students in either category may plan a four-year honours degree.

Students beginning Hebrew are expected to enter Hebrew IB and will normally continue their studies in course Hebrew IIB. Students entering the department with HSC in either 3 unit or 2 unit Hebrew will enter Hebrew IA and are expected to continue their studies in course Hebrew IIA. All students enter a common third year, Hebrew III.

Students who wish to enter the honours school must pass with credit at the end of their first year. In special circumstances the department may recommend to faculty the admission to the honours school of a candidate who has not passed the first year with credit (IA course only).

First year courses are designed to give a firm grounding in the language skills on which all advanced studies are based, and, in the IA course, provision is made to introduce students to the full historical range of the Hebrew language so as to enable students to refine their interests for subsequent specialisation.

**Hebrew IB**

This course for those beginning the study of Hebrew is designed to bring students from their first acquaintance with the Hebrew alphabet to an understanding of the Hebrew language. The course is regarded as a

sound preparation for more advanced study of Hebrew, whether Classical or Modern. However, in itself it allows the beginner to read Hebrew texts.

**Hebrew IA (Classical or Modern)**

This course presumes a basic knowledge of classical or modern Hebrew and is designed both to extend that knowledge and to explore the range of interests of Hebrew language, literature and thought as a preparation for more specialised reading. Students can focus on either modern or classical Hebrew.

**Hebrew IIB (Pass)**

There are two second year courses in Hebrew IIB: one course is centred on classical Hebrew, the other on modern Hebrew. Students may take either *or* both courses and count them as units towards the BA degree.

This course is designed to be a transition between the general study of Hebrew begun in Hebrew IB and specialisation in a more clearly defined field on an intensive basis in Hebrew III. Students wishing to read Modern Hebrew IIB concurrently should consult the head of department as to what special arrangements may be necessary.

**Hebrew IIA (Pass)**

There are two second year courses in Hebrew IIA. One course is centred on Modern Hebrew, the other on Classical Hebrew. Students may take either *or* both courses and count them as units towards their degree.

**Classical-centred course**

This course is designed to allow the student to sample in depth one era in Hebrew literary history. Nevertheless the arrangement of the options allows for an acquaintance with the Hebrew of the whole post-Biblical period.

**Modern-centred course**

The course falls into two parts, a language segment and a literature segment. The literature segment is a preliminary survey of modern Hebrew prose and poetry of the 1920s.

The language segment concentrates on speech and creative writing.

**Honours**

The honours course is common for students in courses IIB or IIA. It is not yet available to students reading the IIA modern-centred course, but it is envisaged that in future years an honours course in Modern Hebrew will be available. It consists of a second Semitic language and two additional hours from the options available to IIA students.

**Second Language**

Students must read one of the languages (i) Aramaic and Syriac; (ii) Arabic; (iii) Akkadian.

**Hebrew III**

There are two third year courses in Hebrew III. One course is centred on Classical or Medieval Hebrew, the other on Modern Hebrew. Students may take either *or* both courses and count them as units towards their degree.

**1. EITHER****Classical Hebrew**

The Classical Hebrew course is designed to allow the student to develop skills in the new tools brought to the study of the Bible as a result of recent discoveries in the

Near East, and to apply these skills to the study of the Biblical text.

OR

### **Medieval and Renaissance Hebrew**

The Medieval Hebrew course is designed to sample in depth the literature which reflects the major interests of medieval and renaissance Jewish writers. It introduces students to the reading of Hebrew MSS.

### **2. Modern Hebrew**

The Modern Hebrew course continues the instruction in speech and creative writing begun in course IIA. The literature segment focuses on the contemporary period in Israeli writing.

### **Hebrew III Honours**

The honours course has two strands. These are the continued study of the second language begun in the second year and an extension of the special area chosen for study by additional detailed work.

### **Hebrew IV (Honours)**

It is assumed that students reading the final honours year in Hebrew intend to seek a career in some aspect of Semitic Studies. The course is therefore designed to help students develop their particular area of interest with postgraduate work in mind. The course is in three parts, (a) a compulsory study of the second language begun in second year or Septuagintal Studies, (b) a thesis and (c) a number of options. The options are designed to follow on from options taken in previous years and presuppose substantial preliminary knowledge.

## **ARABIC**

### **Arabic I**

Students whose native tongue is Arabic or who have prior qualifications in Arabic should consult the department to determine their suitability for enrolment in Arabic IA or IB.

### **Arabic IA**

Selected Arabic texts.

### **Arabic IB**

Arabic IB assumes no previous knowledge of Arabic.

The normal course consists of four hours of language instruction and one hour of background study per week.

### **Arabic IIA (Pass)**

Selected Arabic texts.

### **Arabic IIB (Pass)**

Arabic IIB (for students from Arabic IB) consists of five hours per week divided between continual language instruction and a study of two or more set texts.

### **Arabic II (Honours)**

An additional two hours per week of set texts and more advanced language.

### **Arabic III (Pass)**

Students from both A and B courses enter a common third year.

This course consists of four hours compulsory lectures and one hour of language work per week.

### **Arabic III (Honours)**

An additional two hours per week of texts; these will be selected with a view to forming a nucleus for the more general options to be chosen in fourth year.

In and after 1981 Islamic Studies I will be a prerequisite for Arabic III (Honours).

### **Arabic IV Honours**

This course of six hours consists of two per week on a special subject in preparation for the long essay, two on contemporary Arabic, one on translation from and into Arabic, and one on studying Arabic texts.

### **Contemporary Arab Society, Thought and Culture II**

This course deals with aspects of political and social change, and intellectual trends in the modern Arab world.

## **ISLAMIC STUDIES**

### **Islamic Studies I**

This course focuses on the development of Islamic society, institutions and thought—especially during the first five centuries of the Islamic era.

There are no linguistic requirements for this course.

Pre-Islamic Arabia; the rise of Islam: the Prophet Muhammad. The Qur'ān; the development of the early Islamic community; the Shari'a and the evolution of Islamic jurisprudence; Islamic political thought; Islamic learning and intellectual life; Islam in the medieval world; diversity within the Islamic tradition; Sūfism; special themes in the study of Islam: social aspects and later trends.

### **Islamic Studies II**

Major themes in the study of the Islamic World are treated in depth with special emphasis on social, cultural and intellectual aspects.

(a) Islam in the world: relations with Byzantium, western and central Europe; the Arabs in Spain; the significance of Islamic north Africa; the impact of the Crusades and later European expansion on Islamic societies in Asia and Africa; the Islamic World in the 15th and 16th centuries.

(b) Islamic cities: the economic, social, cultural and intellectual role of urban centres, especially in Syria, Egypt, Iraq, Iran, north Africa and Islamic Spain.

(c) Islamic political thought: the historical background of modern Islamic movements.

## **BIBLICAL STUDIES**

Students are advised to obtain from the secretary of the Department of Semitic Studies a reading list and a full list of the set topics for lectures.

### **Biblical Studies I**

The Biblical World in the second and first millennia B.C.—contemporary nations, languages and peoples of the Old Testament. The Hebrew Kingdoms and their disruption. Key movements amongst the Hebrews.

### **Biblical Studies II**

The literary and cultic achievements of the exile, the diaspora and the nations, the rise of Jewish sects, later literary achievements and thought, development after the return, influence of Hellenism, translation of ideas from Hebrew, growth of concept of normative scripture.

**Jewish Civilisation, Thought and Culture**

A survey of the Jewish people, their demography, beliefs and literature from the fall of the Jerusalem temple, A.D. 70 to the birth of modern Israel in 1948.

**SOCIAL THEORY**

For details see under Board of Studies in Social Work.

**THE STATE IN SOUTHEAST ASIA**

The State in Southeast Asia is a first-year interdepartmental course mounted by the Departments of Anthropology, Economic History, Government, History and Indonesian and Malayan Studies, which can be taken as a prerequisite for entry into History II and which counts as 50% of the requirement for Indonesian and Malayan Studies IA. (*Note:* This course may *not* be taken as both History I and Indonesian and Malayan Studies IA concurrently.) It is intended for all students interested in obtaining a grounding in the history of Southeast Asia and for those who may want to pursue the study of the region in the Departments of Anthropology, Economic History and Government. It can be taken as a one-year course by students in the first or in later years.

The course will explore the origins of the state in Southeast Asia and examine the economic, religious and ethnic factors in the development of the Southeast Asian state from ancient times to the present. It will consider the classical, colonial and independent states of the region in a comparative framework, examining such topics as the indigenous structures of power, Indic religion and Western imperialism as variations within the region.

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**Faculty of Dentistry****FIRST YEAR****Physics****Physics I (Life Sciences)**

Three-term course to suit students who will subsequently study Physiology. Topics include forces and energy, thermal physics, optics, ionising radiation, electricity, and properties of matter.

**Chemistry****Chemistry I (Life Sciences)**

A three-term course to suit the needs of the student who requires a good general grounding in chemistry, and who will subsequently undertake a study of such subjects as biochemistry and physiology. It covers chemical theory, inorganic, physical, and organic chemistry with many examples from biological areas. The course will presuppose a satisfactory prior knowledge of the Chemistry component of the Science three-unit HSC course.

Sixty-nine lectures given over three terms comprising 42 in Inorganic and Physical Chemistry and 27 in Organic Chemistry, with many illustrations from biological areas.

Practical work: 17 three-hour sessions during terms 1.1 and 1.2.

Theory examinations are held at the end of each term. Students are advised at the beginning of the year about other factors contributing to assessment.

**Biology****Biology I for Dentistry**

This course comprises the first and second terms of Biology—Human, Social and Environmental. The work covered includes an introduction to cell structure and function, mammalian anatomy and physiology (with particular reference to humans), genetics, microbiology and parasitology.

There are about 34 lectures and 16 four-hour laboratory sessions, a number of which involve seminar / discussion work, which requires extra reading.

**Dental Science I**

There are three sections in this course.

**Oral Health**

An introduction to oral health and the prevention and treatment of oral diseases and conditions, and will demonstrate knowledge and skills required to maintain personal dental health.

**Anatomy**

One lecture a week will be given in term 1.2 in Dental Anatomy. There are also four two-hour tutorials in Tooth Morphology. One lecture a week in Introductory Anatomy will be given in term 1.3.

**Introductory Dental Technology**

Students will learn basic theory and skills of dental technology in preparation for later courses in preclinical and clinical dentistry.

**SECOND YEAR**

*Under the new curriculum second year starts at the beginning of Lent term and is of three terms' duration.*

All courses are held on campus.

**Anatomy**

Lectures in Dental Anatomy and Introductory General Anatomy are conducted in year 1. In second year particular emphasis is placed on the head and neck, the skull and neuroanatomy. Special aspects of dental anatomy, neuroanatomy and the thorax are also studied.

Lectures and dissections of the head and neck are conducted in terms 1 and 2. Lectures and tutorials are conducted in term 3 on neuroanatomy and thorax.

Students are required to provide themselves with a good quality skull and specimens of permanent and deciduous teeth.

**Biochemistry**

A course of 81 lectures is presented over four terms, commencing in term 1.3. A sound basic course in general mammalian biochemistry with relevant microbial aspects is provided. Emphasis is placed on dental aspects of biochemistry and the relevance to other courses in the faculty is stressed.

**Histology, and Dental Histology and Embryology**

The Histology course begins in term 1.3 when general aspects of the morphology of cells and tissues are considered in a course consisting of one lecture and one 2-hour practical period per week. In this term there is also a course of 6 lectures on introductory embryology.

During terms 2.1 and 2.2 the groundwork laid in first year is extended to include the morphology of organ systems in a course consisting of one lecture and one 2-hour practical period per week.

Dental Histology and Embryology is considered in Term 2.3 in a course consisting of two lectures and one 2-hour or 3-hour practical session per week.

**Physiology**

Two lectures per week and about 60 hours practical classes and tutorials given over four terms commencing in term 1.3. The course provides a general account of physiology and covers most systems of the body. Emphasis is placed on topics particularly related to dentistry wherever possible.

**Materials Science**

Students will survey testing methods and general properties of basic materials, namely metals and alloys, ceramics and polymers which, in special forms, are used in dental technology.

**Occlusion**

Students will apply knowledge of dental anatomy, and practise simple procedures for restoring deficiencies

of occlusal contact of articulated plaster dental facsimile using dental hand instruments and dental waxes.

**Oral Health**

Students will have reinforcement of dental health concepts and principles from Dental Science 1, and will demonstrate knowledge and skills required to maintain personal dental health.

**Operative Dentistry Pre-Clinical**

The course commences during the Second Year and continues throughout the Third, Fourth and Fifth Years of the course.

Operative Dentistry is concerned with the restoration of lost tooth structure and the maintenance of the health of teeth and supporting tissues and the occlusion. A course of technique exercises on prepared material out of the mouth is completed before transferring to the Operative Dentistry Clinic where treatment of patients is undertaken. For these exercises and the later sections of practical operative dentistry, students must provide themselves with the prescribed instruments and instrument cabinet.

The course includes lectures and practical exercises in the speciality sections, endodontics, and crown and bridgework.

**Prosthetic Dentistry Pre-Clinical**

Prosthetic Dentistry is that branch of dentistry that involves the restoration of lost teeth and supporting structures (in the provision of complete and partial dentures) and the preservation of the remaining teeth and tissues (partial dentures) and the occlusion.

This course is a three-term pre-clinical course including lectures and practical exercises covering the properties and manipulation of dental materials relevant to complete and partial denture construction, the anatomy relevant to complete and partial dentures, the principles of complete and partial denture design, and practical techniques in the construction of complete and a variety of partial dentures.

**THIRD YEAR****Infectious Diseases**

A course of about 40 lectures and 18 practical class/tutorials is given during terms 3.2 and 3.3. The principles of microbiology are explained and then applied to the diagnosis, treatment and prevention of diseases discussed. Topics of importance in dental practice are given emphasis and the course concludes with a section on dental caries.

**Pathology**

Classes are held in terms 3.2 and 3.3. The course includes lectures, practical laboratory work and tutorials in general pathology, special pathology and haematology.

**Operative Dentistry**

The course in Operative Dentistry commences during the second year and continues throughout the course.

Operative Dentistry is concerned with the restoration of lost tooth structure and the maintenance of the health of the teeth and supporting tissues and the occlusion. A course of technique exercises on prepared material out of the mouth is completed before transferring to the Operative Dentistry clinic where work on patients is undertaken. For these exercises and the later sections of practical Operative Dentistry,

students must provide themselves with the prescribed instruments and instrument cabinet.

The course in Operative Dentistry includes lectures and practical exercises in the speciality section, Endodontics.

In third year the course is a continuation of the second year course. The course of basic technique exercises in general Operative Dentistry will conclude and preclinical exercises in the speciality areas of Crown and Bridge and Endodontics will commence. Students will commence the treatment of patients during third year. A comprehensive course of lectures and seminars will support the extensive practical course.

### **Prosthetic Dentistry I**

A four-term course in preparation for clinical prosthodontics covering: properties and manipulation of dental materials relevant to partial and complete denture construction; anatomy and physiology relevant to partial and complete denture construction; principles of denture design; practical techniques and construction of different types of partial and complete dentures.

In term 3.2 students commence clinical Prosthetic Dentistry involving the provision of complete dentures for fully edentulous patients.

### **Preventive Dentistry**

This course emphasises the relationship of dental health to prevention, and its dependence on the basic clinical and social sciences. Topics covered include:

#### **Concepts of Prevention**

Development of the teeth including mechanism, aetiology and chronology, histology, physiology and biochemistry of hypoplasia and hypomineralisation

The chemical and physical properties of the teeth and the biology and pathology of the support structures.

Dental caries, plaque, saliva, oral hygiene and diet and nutrition.

Dental fluorosis: The fluoride-dental caries relationship, the application of fluorides in dental caries prevention.

### **Oral Biology**

This discipline is concerned with the application of the biological sciences to dentistry. The course deals with those aspects relevant to an understanding of the aetiology of dental caries and periodontal diseases, particularly bacteriology and immunology, and the development of rational means of disease control.

### **Oral Diagnosis and Radiology**

This introductory course will enable the student to carry out systematic analyses of oral health care problems leading to their solution.

The student will be able to:

1. Detail the systems component of clinical problem solving and decision making processes for dealing with problems of oral health care.
2. Employ productive routines for patient interviewing and counselling.
3. Evaluate small film radiographs.
4. Design and implement clinical evaluation methods appropriate to a variety of clinical case models.
5. Report on the finding of clinical evaluation and on decisions deriving from these findings for a variety of clinical case models.

The course also covers the basic theoretical aspects of radiology; types of apparatus; the techniques of

taking intra-oral and extra-oral roentgenograms and special methods of radiographic examination. Emphasis is placed upon radiographic anatomy, the interpretation of roentgenograms and their use as an aid in diagnosis. Safety precautions in the use of X-radiation are stressed. Some practical experience is gained throughout the year and is used as a basis for further practical experience gained in Fourth and Fifth Years.

Examinations are taken separately in Oral Diagnosis and Radiology.

### **Occlusion**

A two-term course is given during terms 3.1 and 3.2, with one lecture and a 3-hour practical session per week. The course includes analysis of natural occlusions and comparisons with therapeutic occlusal form; comparative requirements of complete dentures with natural occlusions; theory and design of occlusal splints; and the physiology of jaw movements.

## **FOURTH YEAR**

### **Operative Dentistry**

The courses in operative dentistry, endodontics, crown and bridgework, and ceramics, taught within the department form the basis for additional study of these subjects within the course Clinical Dentistry in Fifth Year.

#### **Operative Dentistry**

In Fourth Year the course is a continuation of the Third Year course with additional practical experience being gained by working on patients in the clinic. The emphasis in this year is on the improvement of basic clinical skills and an extension to the more complex restorative procedures of Operative Dentistry.

#### **Crown and Bridgework, and Ceramics**

This is a specialised section of advanced operative dentistry requiring additional technical facility, which is acquired by technique exercises followed by clinical practice. The aim is to provide a basis for postgraduate work.

Lectures and practical instruction are given during the final years and cover the following sections:

- (i) Root and crown preparations.
- (ii) Restoration of coronal defects, using various restorative methods and materials.
- (iii) Restoration of unilateral short span spaces with fixed prostheses.
- (iv) Methods of producing a restored occlusion in the complete dentition and partially edentulous dentition.

In ceramics the course of lectures covers the properties and manipulation of dental porcelains and the construction of porcelain and porcelain bonded to metal restorations.

Laboratory and clinical instruction in the uses of ceramic materials is given.

#### **Endodontics**

This speciality section of Operative Dentistry is taught by lectures, seminars and practical work directed at more complex aspects of endodontics in preclinical exercises and the treatment of patients.

In the course on Endodontics aspects of anatomy, histology and pathology, and application of these basic sciences to aetiology, prevention, diagnosis and treatment of diseases and injuries to the teeth, the dental pulp and periradicular tissues, are dealt with.



## Prosthetic Dentistry II

A three-term course of lectures and practical classes includes study of the following topics: mucostatic and mucocompressive theories; jaw relationship records, graphic and dynamic methods, gothic arch tracings; vertical dimension; aesthetic considerations of tooth arrangement; rebase and reline procedures for complete dentures; diagnosis, treatment planning and design of partial dentures especially cobalt chromium.

Students also attend clinical demonstrations and clinical training sessions.

## Occlusion

A clinical course on occlusion is integrated into the programme as a continuation of the pre-clinical occlusion course commenced in Third Year. A coordinated series of lectures and clinical sessions emphasising the pathophysiology of the stomatognathic system and relating the following:

- Clinical techniques of recording and verifying transfer records.
- Clinical occlusal analysis including clinical assessment of T.M. joints, and jaw and cervical muscles.
- Use of occlusal splints in diagnosis and management of oro-facial pain and dysfunction.
- The clinical application of occlusal adjustment procedures.

## Preventive Dentistry

Clinical application of preventive principles; understanding of the various levels of prevention; biological, public health, behavioural and sociological aspects of associated techniques; primary prevention using fluorides; analysis of growth and development, nutrition and genetics; early diagnosis of oral diseases and abnormalities; biological basis of clinical dentistry; health education with special reference to health attitudes and their formation; and the implementation of preventive procedures and practices.

## Oral Surgery

### Introductory Oral Surgery

In Term 4.1 an introductory course in the practice of exodontia and minor oral surgery is presented. The course, of about two weeks, consists of lectures, tutorials, practical demonstrations, clinical practice and seminars.

Regular clinical sessions in exodontia continue throughout the remainder of the Fourth and Fifth Years.

### Oral Medicine and Oral Surgery

The formal lecture course begins in term 4.1 (Lent) and continues until the end of term 4.3 (Michaelmas). Theoretical aspects of clinical Oral Surgery are dealt with including: sepsis and antisepsis, clinic procedures; history taking, examination, laboratory aids, biopsy, assessment of the patient and treatment planning; surgical techniques, complications including haemorrhage and infection, post-operative care of the oral surgery patient; impacted teeth, cysts, tumours, mucosal lesions, surgical endodontics; oral manifestations of systemic diseases.

Practical work is carried out in the Oral Surgery Clinic where students gain experience in minor oral surgical procedures. Students extend their experience in local anaesthesia and are taught how to work in conjunction with specialist anaesthetists where general anaesthesia is required.

Oral diagnosis and oral medicine clinics are conducted regularly.

## Surgery

A course of lectures extending over two terms devoted mainly to the general principles of surgery. The following topics are covered: general hospital organisation and procedures; patient evaluation; principles of inflammation, haemorrhage, shock, electrolyte balance, management of wounds and burns, plastic surgery; head injuries; common general surgical conditions; surgical emergencies; tumour treatment.

Particular emphasis is placed on surgery of the head and neck, including: surgical anatomy; diseases of the oral cavity, salivary glands, thyroid gland, head and neck; tracheostomy; cleft lip and cleft palate.

## Pharmacology and Therapeutics

The course consists of a series of lectures given by the Departments of Pharmacy, Pharmacology and Oral Surgery beginning in 3.4.

Topics discussed include: principles of drug action, routes of administration, absorption, distribution, metabolism and excretion of drugs. Prescription writing and dosage of drugs. Drugs which interact with the autonomic nervous system and innervated tissues. Autacoids and their antagonists. Local and general anaesthetics, analgesics, anti-inflammatory drugs, sedatives, hypnotics, neuroleptics, antidepressants, anticonvulsants and drugs used in Parkinson's disease. Respiratory drugs. Cardiac glycosides, antiarrhythmics, antihypertensives, diuretics and drugs used for angina pectoris. Coagulant, anticoagulant and haemopoietic drugs. Hypoglycaemic and antithyroid drugs. Chemotherapy. Drug interactions.

The course aims at providing an understanding of drug action in general and a detailed understanding of drugs used in the practice of dentistry.

## Anaesthesia (Local and General)

An introductory course (one week) in local anaesthesia consisting of lectures, tutorials and clinical practice is presented early in term 3.4 (Michaelmas term). Students subsequently gain clinical experience in local anaesthesia in the exodontia and oral surgery clinics.

The principles of general anaesthesia are presented in a series of lectures extending over one term. The following topics are included: history of anaesthesia; pain and anxiety control; physiology of respiration; basic evaluation of surgical risk; drugs and diseases that affect anaesthesia and sedation; available techniques of pain and anxiety control—general anaesthesia, relative analgesia, IV sedation; complications and emergencies in general anaesthesia.

Emphasis is placed upon the individual and combined roles of the dental surgeon and the specialist anaesthetist working as a team.

## Oral Diagnosis and Radiology

This course is a continuation of the Third Year course involving more elaborate diagnosis and developing the treatment planning phase with the emphasis on integrating the diagnosis and treatment of various clinical areas. Representatives from these specialty areas of dentistry are consulted for each case as needed. There is a series of lectures on Treatment Planning and a series on Differential Diagnosis of Pain.

Each student is required to present a complex case in Diagnosis and Treatment Planning with a patient needing treatment in at least three clinical specialty areas. These presentations are carried out in tutorials.

Practical demonstrations and practical experience is gained in radiographic technique. Tutorials are

given to small groups of students on: radiation, health risks, precautions, dosage, the X-ray machine, X-ray films, anatomical landmarks, dark room procedures, infra- and extra-oral techniques and the interpretation of radiographs. Each student is required to have taken at least 80 satisfactory small film radiographs.

### Periodontics

A course of lectures in Periodontics in Fourth and Fifth Years covers the following: introduction, history and epidemiology; periodontal anatomy and physiology; occlusion; classification of periodontal disease; clinical features; aetiology; X-ray signs; pathology and treatment of the following periodontal disturbances: chronic marginal gingivitis, acute gingival disease, periodontitis, gingivitis, periodontosis, periodontal traumatism, occlusal trauma.

The student is shown that periodontics is central to all clinical dentistry. The intimate relationship of periodontics to restorative dentistry is stressed showing that biological demands of restorative dentistry require a knowledge of periodontics. The student is shown that he is treating patients with periodontal disease as one aspect of their total dental needs and that all the dental needs are part of their total social environment.

Seven terms of instruction in clinical periodontics are given consisting of demonstrations and practical clinics in oral hygiene, preventive measures, diagnosis and treatment planning, conservative and surgical management of chronic periodontal disease, and occlusal equilibration.

### Pedodontics

A course of lectures extends over six terms and covers the following: anatomy of primary teeth, diagnosis and treatment planning, techniques for the atraumatic treatment of carious lesions in primary and young permanent teeth, treatment of pulp pathology in primary and young permanent teeth, use and properties of tooth coloured restorative materials, pit and tissue sealants, topical fluoride therapy, oral hygiene procedures and aspects of diet relevant to the oral health of the young.

Clinical practice extends throughout fourth and fifth years.

Demonstrations of various pedodontic techniques are given.

### Orthodontics

The course commences in Fourth Year with descriptive analysis of malocclusion and jaw abnormality. The forces of continuing growth and development, and oral activities which govern the position of teeth and jaw relationships are studied. This becomes prerequisite for recognition, analysis and solution of problems of dental occlusion.

Students will participate in demonstrations, with technical exercises and clinical orthodontics.

## FIFTH YEAR

The Fifth Year courses will be taught at Westmead Hospital Dental Clinical School.

### Clinical Dentistry

The course Clinical Dentistry is designed to give experience in the practice of general dentistry and in a range of procedures consonant with those carried out by the general practitioner.

The basis of this course is the provision of comprehensive dental care for the patients treated by the

students and to integrate as far as possible all aspects of the patients' needs for general and specialised treatment.

Continuing experience in the advanced aspects of clinical subjects covered in the earlier years of the course will also be provided.

### Community and Preventive Dentistry (including Dental Public Health, Ethics and professional responsibility)

This course should develop in the student an awareness and understanding of the implications of the practice of dentistry on society and of the influence of society on the practice of dentistry. The student should be prepared to provide comprehensive patient care to all groups in the community, including the disadvantaged and those with special needs. The following areas will be included:

- Prevalence of oral diseases and conditions

- Community attitudes to dentistry and dental health behaviour

- Systems for provision of dental services

- Dental resources, types of dental providers and their effective use

- Community prevention and treatment programmes

- Planning and financing dental services and the economics of dental health care

- Ethics

- Jurisprudence and professional responsibility

- Dental health education

- Understanding and management of human behaviour

- Assessment of community dental needs

- Practice management

- Dental assistant utilisation

- Delivery of dental care to the handicapped, hospital, school clinic, community health centre, baby health centre, preschool, nursing home and to geriatric patients, and domiciliary and institutional dental care

### Elective

An elective course embodying further study in one of the courses listed under Resolutions of the Senate numbers 3, 4, 5, or 6 in Chapter XV of the by-laws may be undertaken.

advanced study of subjects dealt with in the normal courses of the second and third year and an introduction to theory construction. Work will be commenced on the final year thesis.

## ACCOUNTING

### Accounting I

Introduction to the financial recording system and the principles of financial management. Explains techniques of generating and using accounting information for sole traders, partnerships and companies. Examines the assumptions underlying conventional accounting practice and official pronouncements of the accounting profession.

Designed as an introduction to the three-year sequence in accounting. Students are not assumed to have previously engaged in any formal study of accounting. A pass in this course is conditional upon the attainment of proficiency in recording procedures (including the use of simple computer accounting packages).

### Accounting II

Anticipatory calculations, financial decisions and the criteria of choice. Contemporary observation of emergent results through cost accounting. The subsequent analysis and appraisal of performance. The goals, structures and management of organisations. Systems design and an introduction to electronic data processing and the use of computers.

### Accounting II Honours

The course is offered as the first year of an accounting honours stream. This course extends over three terms with a fortnightly seminar of one hour. It is designed to extend the work undertaken in Accounting II. Students entering Accounting II Honours must have obtained a credit or better in Accounting I and have passed Econometrics I. Passing the course will be a prerequisite for entry into Accounting III Honours.

### Accounting III

Advanced financial accounting problems; form and content of published financial statements; professional standards. Alternative accounting systems, accounting for price and price level changes. Auditing theory and practice, professional statements on audit practice.

### Accounting III Honours

Candidates for the degree with honours in the Department of Accounting will commence honours work in the third year. The work of the third year will include

### Final Honours Year

In the final honours year candidates will attend such lectures and seminars as may be prescribed. These will relate to the development of accounting theory and practice, to the relationships of accounting to other disciplines and to contemporary problems in theory and practice. Candidates will also complete their honours thesis.

### Law I

Lectures will involve a business-oriented study of legal history, constitutional law and torts in Lent term, of contract in Trinity term, and of agency, sale of goods and consumer protection in Michaelmas term. Tutorials will involve a study of legal process in Lent and Trinity terms, and the solving of problems in Michaelmas term. As the course progresses students will be expected to become more and more familiar with the use of legislation and cases for the finding and application of law relevant to problems.

#### Part I

Legal history—a brief study of the history of the British, New South Wales and Commonwealth constitutions, the law of torts, and the law of contract. Constitutional law—essentially a concentrated study of Federal Constitutional Law, and the doctrines of repugnancy and inconsistency of statutes. Torts—a study of the torts of passing off and injurious falsehood. Legal process—a study of the judicial process, involving a study also of the torts of deceit and negligence.

#### Part II

Contract—a study of intention to create a legal bond, invitation to treat, rules as to offer, termination of offer, refusal or counter-offer, acceptance, consideration, capacity to make an agreement, terms of an agreement, agreements which may be avoided, frustration, restraint of trade, effect of illegality on contracts, remedies, assignment and third parties, repudiation, and quantum meruit. Legal process—a study of the rules of statutory interpretation.

#### Part III

Agency—a study of nature, types and characteristics, and the relationship between principal and agent, principal and third party, and agent and third party. Sale of goods—a study of the relevant legislation, goods, contracts and formalities, the price, implied terms, transfer of property and risk, transfer of property by a non-owner, and acceptance. Consumer protection—a study of Parts I, V and VI of the Trade Practices Act, with particular emphasis on Part V.

### Law IIA

This course aims at serving three functions. Firstly an introduction to commercial law. Secondly, as the major part of the course, an examination of company and securities law. Thirdly, an examination of the laws of bankruptcy, receivership, winding up and schemes of arrangement.

#### Part I

An examination of the law of associations and of partnership law, together with a comparison of different

forms of business organisations. An introduction to legal relationships of significance in commerce, an analysis of commercial transactions and an examination of the process of commercial arbitration. A study of negotiable instruments—bills of exchange and cheques. A study of the elements of the law of trusts, including creation of express, private and charitable trusts, resulting trusts, and tracing.

### **Part II**

A study of the formation of a company (Memorandum and Articles of Association); corporate personality (legal relationship between company and members); company contracts, torts and crimes; protection of persons dealing with a company: raising and maintaining capital; profits and dividends; mortgages and debentures; management and control of a company (directors, meetings, principle of majority rule, accounts and audit provisions); takeovers; and an insight into securities legislation.

### **Part III**

The law of bankruptcy, receivership, winding up and schemes of arrangement. An examination of the administration of insolvent debtors—corporate and non-corporate. The aim is to examine peculiarities associated with different types of insolvency administration, constrained as each segment is by both separate and overlapping law.

### **Taxation Law**

Australian tax system; concepts of residence, and source of income; meaning of income; allowable deductions; taxation of different tax entities; taxation of special industries; amendment of assessments; objections and appeals; taxation of non-residents; International Tax Treaties; tax avoidance; principles of sales tax, land tax and pay-roll tax.

## **AGRICULTURAL ECONOMICS**

### **Agricultural Economics I**

An introductory course on principles of economics as applied to agriculture. The main topics covered include: The structure of the Australian agriculture sector. The changing nature of agriculture and problems of structural adjustment. Factors affecting the location of agricultural production and agricultural land values. Implications of the law of diminishing returns for farming practices. Factor substitution. Costs and factors affecting the size of farms. Specialisation versus diversification in farming. Introductory concepts of farm management. Factors affecting agricultural markets, prices and supply response. The impact of technology on agriculture. Distribution of the benefits of technology. The setting for agricultural price policy. Means of achieving government objectives in the farm sector. Introduction to natural resource economics. Problems in agricultural trade.

### **Agricultural Economics II**

This course consists of the two short courses Australian Agricultural Policy and Agricultural Production Economics and Principles of Farm Management, either of which may be taken as short courses if desired.

### **Agricultural Economics III**

This course consists of the two short courses Agricultural Markets and Prices and International Issues in Agricultural Policy, either of which may be taken as short courses if desired.

## **Australian Agricultural Policy**

Topics discussed include: An examination of the process of agricultural policy formulation with particular reference to the role played by particular institutions. An appraisal of the objectives of current Australian agricultural policy. A discussion of agricultural policy instruments and government intervention in agriculture. The role of rural pressure groups and farmer organisations in the development of policy. The effects of national economic policies on the agricultural sector.

## **Agricultural Production Economics and Principles of Farm Management**

Among the topics discussed are: Agricultural production functions. Factor substitution in agriculture. Principles of enterprise combination. Cost functions. Introduction to duality. Size economics in farming.

The relevance of production economics principles to farm management. Management goals of farmers. Budgeting and gross margins analysis. Sources of management information. Parametric budgeting. Simple systems simulation. Linear programming as applied to whole farm planning and animal feeding. Financial and tax management. Introduction to risk in farm planning. Economic analysis of crop and livestock experiments.

An integrated series of workshop / tutorials provide practical experience in whole farm planning utilising budgeting, gross margins analysis, linear programming and simulation methods. Special attention is given to the planning of crop and livestock operations and practical feed-mix problems.

## **Agricultural Markets and Prices**

The topics discussed include the following: The field of agricultural marketing. Agricultural markets and their pricing function. The supply of and demand for agricultural products. Agricultural price analysis. Quantitative models of agricultural supply and demand. Marketing margins. The derived demand for agricultural inputs. Types of market organisation. Marketing boards and corporations and their role in administered pricing. Advertising agricultural products. Transport and storage. Grading agricultural products. Futures markets and risk bearing.

## **International Issues in Agricultural Policy**

This course extends the understanding of agricultural policy, established in Agricultural Economics II, to encompass international issues in agricultural policy, agricultural trade and development.

The main topics covered will include: Trends in agricultural trade. The role of agriculture in economic development. Trade problems facing developing countries. The impact of national agricultural policy on trade. Comparative agricultural policy. Food-aid and surplus disposal programmes. The effect of economic integration on agricultural production and trade. Attempts to solve agricultural trade problems.

## **ANTHROPOLOGY**

For details see under Faculty of Arts.

## **COMPUTER SCIENCE**

For details see under Faculty of Science.

# ECONOMETRICS

## Econometrics I

The aim of this course is to provide an introduction to quantitative methods used in economics and related disciplines. The course develops two separate, but related, quantitative methods. The first is mathematics, which provides a very efficient and instructive way of formulating and analysing models of behaviour. The second is the methodology of statistics, which is concerned with the analysis of data. The course deals with the methods available for handling, analysing, and interpreting economic and social data. The course also provides instruction and experience in the use of electronic computers as an aid in the analysis of data. Applications to economics and related disciplines in the social sciences are provided.

The course is designed in one-term modules.

### 101 Mathematics and Applications

The aim of this module is to provide some basic mathematical training and to demonstrate how mathematical techniques are used in economics and related disciplines. Topics include: review of algebra, functions and logic, mathematics of finance; matrices; differential calculus; integral calculus; computing.

### 102 Probability and Sampling Theory

This module develops the probability approach to data analysis. Topics include: probability; random variables; probability distributions; sampling theory; and descriptive statistics (including time series and price indices).

### 103 Inference and Estimation

The purpose of this module is to demonstrate how observed data may be used to estimate and make inferences about models. Topics include: estimation; hypothesis testing; simple regression models; multiple regression; and applications.

Students will be required to attend a two-hour workshop each week.

## Econometrics II

This course builds upon the foundations laid in Econometrics I, and develops the theory and application of mathematical and statistical techniques to economic data. It is designed in one-term modules. Students must take modules 201, 202 and 203.

### 201 Mathematical Methods of Econometrics

The aim of this module is to develop various mathematical methods and to show how they may be used to analyse economic problems. The first part of the course is concerned with an introduction to linear algebra (matrices) with particular emphasis on the solution of linear equations. Applications include the comparative statics analysis of economic models. The second part of the course develops the first and second order conditions for unconstrained and constrained optimisation problems. Applications include the optimisation problems of consumers, producers and policy makers. The mathematical methods developed are used extensively in the other modules in Econometrics II and in subsequent courses.

### 202 Econometric Theory

This module is concerned with regression theory and its application to problems in economics. After presenting the classical multiple regression model the lectures will cover those extensions that are particularly relevant in the economic sphere, such as the treatment

of autocorrelation, lagged relationships, qualitative variables, multicollinearity and heteroscedasticity. Practice will be given in the application of various methods to realistic problems.

### 203 Applied Econometrics

The aim of this module is to show how regression models can be applied to economic data to estimate relationships, forecast, and test hypotheses that arise in economics. The theoretical and data aspects of various empirical research papers will be discussed, and students will be required to undertake related empirical work. Topics may include consumption, investment, production and cost, consumer demand, labour supply, money demand, import functions, etc.

## Econometrics III

This course consists of three one-term modules. Students must take modules 301 and 302 and one other module to be chosen from the list below (303–305). All modules will not necessarily be offered in any one year.

### 301 Statistical Inference

This module develops the basic theory of statistical inference. Topics include the theory of statistical distribution, procedures and criteria for estimation and the principles of hypothesis testing. Emphasis is given to statistical inference in the linear regression model.

### 302 Econometric Theory

Develops the theory of simultaneous equation and multivariate regression models, including questions of identification, structural versus reduced form, single and simultaneous equation estimation, small and large sample properties, testing procedures, simulation and forecasting, dynamic models, and policy evaluation. Practice will be given in the application of various methods to economic problems.

### 303 Time Series Analysis

The primary concern of this module is with the characterisation and analysis of time series, and with the problem of producing forecasts in an economic environment. Topics covered include univariate and bivariate Box-Jenkins time series models; spectral analysis; an introduction to multivariate time series modelling; an introduction to nonlinear time series models.

### 304 Applied Econometrics

Application of simultaneous and multivariate equation models to various aspects of economics. Research papers involving empirical research will be examined and students will be required to undertake related empirical work. Topics may include: systems of consumer demand functions, systems of factor demand and output supply functions, macroeconomic models, empirical general equilibrium models, and Monte Carlo experiments.

### 305 Sample Surveys

The twin problems of cost and efficiency in sampling lead to the development of different methods of sampling (stratified, cluster, multi-stage, replicated samples, probability proportional to size), and to different estimators (e.g. ratio). Non-response in a survey may lead to biased estimation, and procedures must be developed to overcome this potential bias. Case studies will be discussed.

### Econometrics III Supplementary

This course consists of any two modules available but not taken under Econometrics III and Econometrics II. The available module numbers are 303–305, 203, 204.

### Econometrics III Honours

Students are required to take 6 one-term modules. The compulsory modules are 301 and 302 from Econometrics III and module 311 (Research seminar) below. The remaining three modules are chosen from the list under Econometrics III (303–305) and the following (312, 313). Not all modules will necessarily be offered in any one year. Suitable modules offered by other departments may also be approved by the head of department.

#### 311 Research Seminar

The aim of this module is to develop a variety of skills useful in carrying out a research project in econometrics or operations research. The seminars will focus on a series of exercises assigned to provide experience in practical research skills. In addition students will prepare talks and participate in discussion.

#### 312 Applied Probability

Application of the theory of distributions and statistical inference to various modelling situations and decision making problems in business and economics. Topics may include insurance claims and the Poisson process, renewal models for equipment replacement, stock prices as Markov processes and martingales, and bankruptcy probabilities for stochastic cash flows.

#### 313 Special Topic

A specialised topic in econometrics or statistics. The topic will vary from year to year. Possible topics include multivariate analysis, Bayesian approach to econometrics and numerical analysis.

### Operations Research

Operations Research is a scientific approach to problems that concern how to conduct and coordinate the operations or activities within an organisation. Emphasis in this course is directed towards commercial and manufacturing organisations.

The course builds on the foundations of Econometrics II. Students are introduced to studies the department has undertaken and these form the 'case studies' material. Computer packages are used where appropriate.

The course is comprised of three one-term modules:

#### 351 Linear Programming Models

This term develops the theory and application of linear programming models to economic problems. Topics include formulation skills, algorithms, computing packages, duality, sensitivity, parametric programming, goal programming, environmental case study.

#### 352 Discrete and Non Linear Models

The work of 351 is extended in two directions. Topics include networks, integer programming and heuristics, dynamic programming, quadratic programming, gradient methods, separable methods, coal industry case study.

### 353 Stochastic Models

Economic operations should reflect a stochastic reality and this term introduces appropriate stochastic methods. Topics include stochastic programming, inventory control, queues, simulation, decision theory, stochastic processes, port loading facility case study.

### Operations Research Honours

Students are required to take 6 one-term modules. The compulsory courses are: the courses listed under Operations Research (351–353); the Research Seminar (311); Applied Probability (312). Students not taking 301 as part of Econometrics III must take it as their final module. Otherwise the final module is Numerical Analysis (354).

#### 354 Numerical Analysis

Methods for the solution of non linear equations and systems of equations are studied. These include Newton's method in several variables and the Bairston method for solving polynomial equations. Applications of the latter to the dynamics of difference equations receive special attention. The course then moves on to optimisation methods with a detailed analysis of steepest ascent and Fletcher Powell Davidson algorithms. Finally interpolation methods, including cubic spline approximation and their applications are studied.

### Final Honours Year in Econometrics

The honours year provides basic professional expertise in the general area of econometrics through instruction in advanced theory, and experience in independent research.

Honours students are required to (a) complete 6 one-term modules of instruction, (b) submit a thesis not exceeding 50 A4 pages of type, and (c) attend and participate in departmental research seminars.

The thesis topic must be approved by the department, and progress reports are to be presented every term. Courses are selected from the following list (not all of which may be offered in any one year): statistical foundations of econometrics, model specification, stochastic specification, limited dependent variables, applied econometrics, optimisation, general equilibrium, and special topics. Some courses may be taken in related departments. Students may also undertake their honours year jointly in econometrics and economics.

### Final Honours Year in Operations Research

The honours year provides basic professional expertise in the general area of operations research, through instruction in advanced theory and experience in independent research.

Honours students are required to: (a) complete 6 one-term modules of instruction; (b) submit a thesis not exceeding 50 A4 pages of type; and (c) attend and participate in departmental research seminars.

The thesis topic must be approved by the department and progress reports are to be presented every term. Courses are selected from the following (not all of which may be offered in any one year): simulation modelling and analysis, control theory, applied operations research, optimisation and micro theory, general equilibrium models, network models, game theory, experimental designs.

## ECONOMIC HISTORY

### Economic History and History

Since 1984, the Department of Economic History has co-operated with the Department of History in a programme making courses in either department available to students registered in the other. For students registered in the Department of Economic History, this programme will enable those with special interests in particular fields of history to take courses offered by History in those fields and that complement other courses taken in the Department of Economic History. Students who have passed History I (Early Modern European History, Late Modern European History, or Modern European Expansion) may apply to enter the course Economic History II without taking Economic History I. Economic History II and III students may apply to take some options in History II and III to be considered as part of, or as the whole of, the courses Economic History II and III. Detailed information on the programme should be obtained from the department. In all cases, students wishing to take advantage of this programme must obtain the permission of the heads of department of both Economic History and History.

### Economic History I

#### JUNIOR NORMAL

An introduction to the economic history of modern Europe, the repercussions of economic changes on social, political and cultural life, and the spread of those developments to the non-European world. It begins with an overview of the traditional European economy, then examines the changes that affected Europe in the late eighteenth and early nineteenth centuries, particularly the industrial revolution. The various paths of economic development followed by different societies in the nineteenth century are charted, as well as the course of imperialism that brought these changes to Africa, Asia and Latin America, and the economic development of Australia and the United States. Various social changes—such as the growth of a new middle class, the emergence of the proletariat and the transformation of the peasantry—also receive attention. The course then focuses on the twentieth century. The Depression and the two world wars, the Russian Revolution, the creation of socialist economies, decolonisation, the period of growth after 1945, the advent of the consumer society, and the current economic crisis, are analysed thematically.

The course is not highly technical in its presentation of economics, and no knowledge of economic theory is presumed.

### ECONOMIC HISTORY II AND III

Students in these years have a broad choice of half-year short courses. These are listed under Intermediate Short Courses. Economic History II Normal consists of any two short courses chosen from this list. Economic History III Normal consists of Early Australian Economic History, and Modern Australian Economic History or, if already completed, two other courses from the list of Economic History short courses.

To pass Economic History II or III, students must complete each short course at a satisfactory level, as well as achieve a pass in the course as a whole. To pass a short course, students must complete all assignments and examinations at a satisfactory level as well as achieve a pass overall.

### Economic History II

Students in Economic History II must take two short courses from those listed under Intermediate Short Courses. (Not all short courses may be given in any one year.)

### Economic History II Honours

Advanced students are encouraged to take the two short courses in Australian economic history, Early Australian Economic History and Modern Australian Economic History. They are also required to take a year-long advanced seminar, which will focus on research in Australian economic history. In exceptional cases, with the permission of the head of department, advanced students will be allowed to take other short courses in Economic History in the second year. However, if Early Australian Economic History and Modern Australian Economic History are not taken in the second year they must be taken in the third year. In any case, the advanced research seminar in Australian economic history is obligatory for the second year advanced students. They are also required to write a research essay of 5000 to 8000 words and to sit the pass papers in each course.

### Economic History III

This course consists of Early Australian Economic History and Modern Australian Economic History or, if already completed, two other courses from those listed under Intermediate Short Courses. (Not all short courses may be given in any one year.)

### Economic History III Additional

Students may take Economic History III Additional as an extra course within the department. This course consists of two courses from those listed under Intermediate Short Courses and not otherwise completed.

### Economic History III Honours

For students who have not taken them in the second year, the two courses Early Australian Economic History and Modern Australian Economic History will constitute part of Economic History III Honours. Other students will be required to do, as part of Economic History III Honours, any two short courses, not otherwise taken, from those listed under Intermediate Short Courses. In addition, all students will be required to participate in a year-long seminar course on 'The History of Economic and Social Ideas' (taught jointly with the Department of History). This will entail the writing of seminar papers. Students will also have to present a research essay of 8000–10 000 words.

### INTERMEDIATE SHORT COURSES

#### Social Aspects of Industrialisation in the United States

[Not available.]

#### Economic Development of Modern Japan

The main concern of this course is with the economic processes that have transformed Japan over the last century from a feudal state to an industrial super power, and the social consequences of industrialisation. Topics discussed include: pre-Meiji developments, the roles of government and private enterprise, agricultural growth, international economic relations, capital formation, labour supply, structural changes, population increase and urbanisation, militarist influences, economic fluctuations, post-war reforms and explosive growth, changes in labour re-

lations and consumption patterns, the costs of growth, the oil crises.

### **Economic Development in Southeast Asia**

Introduction to study of Southeast Asia. Patterns of trade pre-AD 1500. Impact of Europeans AD 1500–1800. Main emphasis of the course on period post-AD 1800. Spread of European colonialism and capital investment. Emergence of 'export economies'. Response of indigenous people to economic stimuli. Dualism. The plural society. Standards of welfare. Developments in the post-colonial period up to the mid-1970s. Countries selected for particular studies are Burma, Thailand, Malaysia and Indonesia.

### **Economic Fluctuations**

[Not available.]

### **Economic and Social History of Minority Groups**

An examination of the economic and social position of several minority groups in modern Australian and European history. Specifically, this short course will use as case studies racial and ethnic groups (Aborigines in Australia, ethnic and regional minorities in Europe), migrants (both long-term migrants and guest workers), and a sexual minority (homosexuals). In interpreting the historical emergence of minority groups and their subcultures, some attention will be given to concepts of race, ethnicity, and marginality. The problems of discrimination, tolerance and integration will also be covered.

### **Urban History**

What is urban history? Approaches to urban history. Origins of cities—evidence and theories. Pre-industrial cities (past and present). The impact of industrialisation. Urban problem areas and their continuing nature.

### **The Historical Development of the Chinese Economy**

Introduction to the study of China. The traditional economy before 1840. The period 1840–1949: the roles of western enterprise and indigenous entrepreneurs in early industrialisation. The economic consequences of political and monetary instability—the Taiping rebellion, warlordism in the 1920s and 1930s, Japanese invasion, inflation 1937–49. The establishment of the People's Republic in 1949 and the growth of the socialist economy to the early 1980s. The Chinese economy in the general context of the Third World.

### **American Economic History 1607–1865**

This short course will discuss the growth and development of the American economy from the colonial period to the Civil War. This period saw the rise of an export-based agricultural system and the beginnings of large-scale industrialisation. Topics to be discussed include both institutions such as the merchant, the banks, the corporation, the factory system and the social structure including slavery, immigration and the development of a working class. Recent interpretations by the 'New Economic Historians'—Douglass North and Robert Fogel amongst others—will be examined.

### **American Economic History 1865–1970**

This short course will analyse various strands of American economic history: the growth of 'Big Business'; the adjustment of the agricultural sector to the corporate society; government regulation of the economy; the rise of organised labour; the impact of war on the economy; and the economic forces behind American foreign policy.

### **Latin America: Revolution and Development**

This course examines the relationship between revolution, development and underdevelopment in the history of Latin America. It considers the influences of colonialism, the independence wars, relations with Europe during the nineteenth and early twentieth centuries, the consequences of export-orientated growth and capital imports, as well as the effects of 'attempts since 1930 to industrialise. Particular attention is given to the 1910 Revolution in Mexico and the Peron era in Argentina. Each year, a third country is selected for special study.

### **Early Australian Economic History**

This course examines the growth of the Australian economy in the century from 1788. It considers first the shift from penal settlement to capitalism: capital accumulation, immigration, the rural section and economic fluctuations. Then the period 1851–88 is examined: gold, the long boom, railways, pastoralism, urbanisation and trade unionism.

### **Modern Australian Economic History**

This course looks at the changing socio-economic fabric of Australian capitalism in the period from the late 1880s. It considers structural changes in the economy and workforce; the pattern of urban development; economic fluctuations, especially the major depressions of the 1890s, 1930s, and now; social justice and class conflict; economic policy and its failures; the impact of war on economy and society; twentieth century urbanisation and suburbanisation; the situation of minority groups; problems of change in an affluent conservative society; alternative explanations of Australia's socio-economic system; and major developments since World War II.

### **Economic Development of Russia and Eastern Europe**

Social and economic structure in the Romanov, Habsburg and Ottoman empires in the early modern period, the sources of economic development in the late eighteenth and nineteenth centuries, differing responses to economic development, decline of traditional social structures and rise of new groups in the late nineteenth century, the relation of nationalism to economic development, imperialism and war in southeastern Europe, the First World War, the revolution in Russia and Austria-Hungary, the establishment of the Soviet regime and economic developments in the Habsburg successor states, Soviet planning and German economic expansion in the 1930s, the Second World War, and post-war economic development in the Soviet Union and the socialist economies of eastern Europe.

### **Economic Development of Modern Germany**

The 18th century tradition of state intervention in the economy, the impact of the French Revolution and Napoleonic wars, the role of central bureaucracies in development to 1850, the economic background to the 1848 revolutions, accelerated development during the liberal period 1850–73, the Great Depression 1873–96, imperialism, the First World War, economic problems of the Weimar Republic and the Habsburg successor states, the rise of fascism, the structure and development of the Nazi economic system, and comparison of post-war development in market and socialist economies in central Europe.

### **Economic History of the Mediterranean Region**

The Mediterranean basin was the centre of the Western economy from the classical era through the 1500s, its power eclipsed by the colonisation of the New



World. This course will look briefly at the inheritance of classical, Byzantine and early modern empires in the Mediterranean and the reasons why the area did not modernise in the same way as Western Europe during the 1700s and 1800s. Then it will concentrate on the period since the mid-1800s: the economic and social changes in the area, similarities and differences among the regions of the Mediterranean basin, and booms and crises in the twentieth century. Continuing links among the Mediterranean nations and the hypothesis that there exists a particular 'Mediterranean economy' will receive special attention. However, the course will concentrate on the economic and social history of modern Italy and Greece. It will not be technical in its presentation of economics, and no knowledge of economic theory is presumed.

### **Economic and Social Development of Modern France**

After briefly examining the economic and social aspects of the French Revolution and the Napoleonic regime, the course will look at nineteenth century developments such as the changing nature of agriculture, industrialisation and political upheaval. Then twentieth century developments will be studied. Themes to be treated include traditional and revisionist interpretations of French economic growth, the effects of government intervention in the economy (including the policies of the current government), the end of the peasantry, regionalism and the relationship between Paris and the provinces, and the repercussions of economic change in French society and culture. The course will not be technical in its presentation of economics, and no knowledge of economic theory is presumed.

NOTE: Not all short courses may be offered in any given year. Check departmental noticeboards.

### **Final Honours Year**

The final year of study consists of seminars and thesis work. Students will be required to sit three examinations based upon their seminar work, and complete a thesis on a chosen topic. Further information may be obtained from the head of department.

## **ECONOMICS**

### **Economics I**

Assumed standard of knowledge: HSC Mathematics 2 unit course.

This course provides a general introduction to the study of economic behaviour with emphasis on the concepts and frameworks of analysis applicable to a modern market economy in which there is significant participation by government. Current economic issues are incorporated to provide an understanding of the links between economic analysis and economic policy. The aim of the course is to prepare for further work in second and third year courses.

The course offers a broad, integrated set of lectures incorporating a range of views on the workings of an economy. The course treats major topics drawn from market performance, national economic behaviour and international economics. The role of government in the economy is examined for its impacts on the national economy as well as in specific markets.

The course emphasises the interaction between theoretical models and the use of empirical evidence. The problems of providing conclusive evidence serve to demonstrate the difficulties in choosing between conflicting hypotheses about economic behaviour and the complications for policy implementation.

The course deals with a variety of topics beginning

with an introduction to the nature of economic problems and ways of thinking about economic issues. This is followed by an analysis of the factors influencing national income and output determination emphasising monetary and fiscal influences and implications for inflation and unemployment. Further topics explored later in the course involve the workings of markets and market imperfections to provide perspectives on resource allocation in goods and factor markets as well as on income distribution. Included in this analysis is an assessment of the role of government in markets. Although aspects of international influences on economic performance are included in various parts of the course a separate treatment of some basic issues in international economics is also offered.

### **Economics I (Social Sciences)**

This course is designed to provide a foundation for subsequent studies in political economy, notably Economics II(P). It could also usefully be taken by students in other faculties seeking a one-year course which provides a survey of the principal approaches to economic analysis.

The course is based on a liberal educational philosophy, whereby all students are introduced to the major competing currents of thought within the discipline and their application to current economic problems. However, it is also intended that it have overall integration and coherence as a course in economics from a social science perspective.

To achieve these objectives requires that each of the major schools of thought in the discipline (Marxist economics, institutional economics, neo-classical, Keynesian and monetarist economics) be taught with regard to:

- (a) the historical circumstances of their origin and development;
- (b) their relationship to other disciplines within the social sciences;
- (c) their association with distinctive political ideologies;
- (d) the potential application of their principal analytical aspects to the study of contemporary capitalism.

### **The Australian Economy**

This course provides a comprehensive treatment of the workings of the Australian economy. The emphasis in this course is on applied themes with theory introduced only where necessary to sustain the analysis. The aim is to show the interdependencies between the main sectors of the Australian economy and with the rest of the world. The course offers a broad appraisal of how the Australian economy operates and the main policy issues bearing upon it. The main sections of the course are as follows:

1. Australia in an international economic setting
2. National economic structure:
  - (a) national income and expenditure
  - (b) financial flows
3. Foreign sector and the balance of payments
4. Financial activity: institutions and markets
5. Business sector: incorporated and unincorporated business enterprises and their markets
6. Government sector: federal and state functions on revenue and expenditure, and the provision of services
7. Households: composition and distribution of income and expenditure
8. Labour markets and wage determination

9. Policies for development:
  - (a) agriculture
  - (b) resources
  - (c) industry: manufacturing and services
10. Economic Policy:
  - (a) goals and instruments
  - (b) policy issues and controversies
11. Prospects for development

### **Economics II** in 1987

The course builds upon foundations established in Economics I and presupposes that students have mastered the subject matter taught in that course. The first part, *Economic Analysis*, is compulsory; the second part comprises *one option* to be selected from those listed below, not all of which are necessarily available in any one year.

#### **(a) Economic Analysis**

The course comprises further studies in microeconomics, macroeconomics and international economics. Studies in microeconomics include choice theory, theory of the firm, market power of firms, intertemporal decisions in consumption and investment, general equilibrium theory, government policy with respect to enterprise behaviour (especially in relation to market power and externalities) and some microeconomic aspects of international trade.

The macroeconomic analysis begins with studies of the markets for labour, goods and services, and finance. International activity is then considered, with emphasis on the study of an open economy, such as Australia's, under alternative regimes of fixed or flexible exchange rates. Current theoretical and policy controversies are surveyed especially those relating to inflation and unemployment. This part of the course ends with an overview of a macroeconomic system that is characterised by domestic and international interdependence.

#### **(b) Optional subjects**

##### *Industry Economics*

This option aims at exploring, at a more advanced level than in Economics I, and in a dynamic framework, characteristics of market and industry behaviour. Activities in such areas as pricing, competitive strategies, investment, innovation and cost behaviour are analysed. Particular stress is placed upon recent developments in theoretical and empirical studies and their implications for policy.

The latter part of the option treats international aspects of industry behaviour, both investment and trade, and the circumstances found in Australian manufacturing.

##### *Quantitative Economics I*

Introduction to economic model building; elementary econometrics; mathematical techniques for economic analysis (matrix algebra and calculus). The principal aim of this course is to provide students having only a limited mathematical background with some insight into the basic mathematical and statistical methods used in intermediate level economics. Students requiring a rigorous introduction to either mathematics or statistics are advised to take full courses in these areas.

##### *Public Finance*

The theory and practice of public expenditure, taxation, debt policy, intergovernmental financial relations, tax reform and other problems of public finance.

##### *Australian Public Policy Issues*

This option treats a number of issues that are important in current discussions of Australian public policy.

Usually three or four topics are studied; the selection varies from year to year, and may include areas such as housing, poverty and minimum guaranteed incomes, exhaustible resources, manpower policy, provision and financing of health services, and immigration and population.

#### **Financial Markets**

An introduction to the analysis of financial markets with some emphasis on Australian financial institutions and the capital market. The initial lectures are devoted to a review of concepts of markets and market efficiency, and the mathematics of financial analysis. This is followed by a lengthy section on the structure, organisation and supervision of financial markets in Australia. The next section is directed to an analysis of consumption and investment decisions by individuals and firms as a basis for analysing the behaviour of financial markets. This work introduces concepts of risk and uncertainty in relation to valuation. The final part of the course extends this basic analysis to issues in financing and the development of financial instruments and techniques of analysis.

There is no textbook for this option. The main references will be available before the beginning of Lent term.

### **Economics II Honours** in 1987

This course is for those who wish to proceed eventually to the fourth (honours) year in economics, or who simply wish to do more advanced work in economics in their second and third years of study. In general, it is taken only by students who have obtained a pass at credit level or better in Economics I.

For students in the Faculty of Economics (including Economics/Law), the course comprises two parts: *Economic Analysis* and *Quantitative Economics I*. For students in the Faculty of Arts (including Arts/Law), the course comprises these two parts (as described below) together with one other subject, to be selected from the other optional courses provided for students in Economics II.

#### **Economic Analysis**

The syllabus is essentially similar to that prescribed for *Economic Analysis* in Economics II (Normal); and, as for the Normal course, there are two lectures per week. However, students attend separate lectures in which the subject matter is tackled in greater depth, with greater use of analytical techniques and empirical evidence. This provides a greater challenge to the student, who is also expected to undertake reading of a more demanding nature. The programme includes a weekly seminar, instead of the tutorials provided for Economics II.

#### **Quantitative Economics I**

This course is described in the section dealing with optional courses in Economics II. It is compulsory for students taking Economics II Honours, save that exceptionally the head of the Department of Economics may grant exemption to a student who has passed, or is attempting, more rigorous courses in mathematics or statistics (e.g. Economic Statistics II, Applied Mathematics II, Pure Mathematics II). Any student exempted in this way shall enrol instead for one of the other options provided for students of Economics II.

### **Economics II Supplementary**

This course consists of any two options from the list of options provided for Economics II, and not already taken for that course. It will not be available in 1988.

## Economics II in 1988

The course builds upon foundations established in Economics I, and students are required to have mastered the subject matter taught in that course. Economics II is divided into three parts, each of one term's duration: microeconomics, macroeconomics and international economics. The broad aim of all three parts is the development of an understanding of economic concepts and analysis to a standard consistent with the BEc degree. Such an understanding is required not only in its own right, but also as a basis for the more specialised options which comprise Economics III. Economics II or its equivalent is a prerequisite for these options.

*Microeconomics* covers the theory of consumer choice, including applications and extensions; the theory of the firm; firm behaviour and market structure; factors demand and supply; an introduction to general equilibrium; welfare economics; intertemporal choice; behaviour under uncertainty; and the role of government. Applications of the theory will be developed as the course proceeds to allow students to gain some appreciation of the way in which microeconomic theory provides insights into economic behaviour and market phenomena.

*Macroeconomics* will begin with an overview of first year analysis. This part of the course will proceed by developing an integrated model of the goods, money and labour markets, and within this context examine issues in macroeconomic policy. Specific macroeconomic relationships, covering consumption, investment, money and employment, will then be explored. This part concludes by exploring macrodynamic relationships, especially those linking wage and price inflation, the business cycle and growth.

The *international economics* section of the course, which contains elements of both micro- and macroeconomics, begins with a review discussion of comparative advantage and the gains from trade. Alternative micro-trade models, including the Ricardian and Heckscher-Ohlin models, are then developed. Links between trade, factor prices, international factor movements, transnational corporations, and growth are explored in the context of these models. Commercial policy is also discussed. This material will provide an opportunity to develop further the analysis of general equilibrium which was introduced in the microeconomics part of the course.

Balance of payments and foreign exchange markets are then introduced into the macroeconomic model of the economy developed in term 2, and the implications for policy of an open economy are examined. Topics include open economy inflation and adjustment processes under both fixed and floating exchange rates.

## Economics II Honours in 1988

This course comprises two parts, the first being a set of lectures based upon the curriculum for Economics II supported by a seminar for one hour each week, and the second being a course in quantitative economics.

The first part will be presented in three segments as provided for in Economics II, namely microeconomics, macroeconomics and international economics. The content of the lectures will reflect a more comprehensive treatment of the topics providing more extensive critiques of the main themes. The seminars are intended to support this more critical appraisal of topics.

The second part of the course, being the quantitative component of Economics II Honours, will be described as Quantitative Economics I. The syllabus is as follows:

Revision and strengthening of knowledge of basic algebra and calculus;  
constrained optimisation; expansion on concepts of limit, continuity and differentiability, and on set concepts and convexity, in  $n$ -dimensional space.

Revision: simple linear regression model (O.L.S.), multiple regression; regression analysis and analysis of variance (ANOVA).

Consequences of violations of the assumption of the classical linear regression model (C.L.R.) (biased estimators, heteroscedasticity autocorrelation, multicollinearity); dummy variables; lagged variables; identification; simultaneous equation models; forecasting.

The syllabus is largely a reflection of existing arrangements but may be further adapted in light of experiences with Econometrics I in 1987.

Quantitative Economics I comprises one lecture per week plus a tutorial/workshop of one hour per week.

## Economics II (P)

Economics II(P) is a course in political economy. Economics II(P) leads to Economics III(P), Economics III Honours and Economics IV (Social Sciences). Students proceeding to Economics III(P) Honours from Economics II(P) are required only to obtain a credit or better in the latter course.

This course provides a framework for the analysis of contemporary capitalist economies quite different from that addressed by conventional courses in economics. It is, of course, concerned with traditional issues such as the nature and control of production, the structure and distribution of the outputs of an economy, how economic order relates to broader social order, and so on. However, the framework involves the dynamic interactions between capital, labour and the state, the development of ideologies and the recognition of broad social classes, rather than the behaviour of conventionally recognised small firms and independent consumers. It follows that, for instance, the role of the state in the determination of shares of profits and wages and in the allocation of capital is given as much attention as is the market. It is acknowledged throughout that the framework of analysis must have a strong international dimension and must recognise the underdevelopment as well as the development of other parts of the world.

The framework of analysis developed in Economics II(P) is related to the frameworks discussed in Economics I in a variety of ways. It incorporates very little of conventional microeconomics; and in that it sets this material aside it reflects a systematic attempt to develop an alternative to neoclassical economics. It develops much of the macroeconomics introduced in Economics I, especially that inspired by Keynes, within a broader perspective. It reflects a substantial indebtedness to the institutionalist and Marxist frameworks but a critical view of fundamental Marxism.

There is a choice of programmes of seminars. This choice should be seen in conjunction with the possibility open to each student of writing a long essay or doing a project on any topic relevant to the course. The choice of seminar programmes and the possibility of writing a long essay or doing a project make it possible for a student to specialise to a considerable degree in an area that appeals to him or her.

### Economics III

This course comprises a number of options<sup>1</sup> of which two may be taken. None of these are compulsory. Students who choose a full year of 'P' style options, currently two options from either Regional and Urban Economics, Australia and World Capitalism, or Economic Conflict and the State, may be designated (if successful) at their request as having completed Economics III(P).

#### Options

##### *Advanced Economic Theory*

This option gives a fairly advanced treatment of particular areas in both micro- and macroeconomic theory:

- (a) the distribution of income: an analytical approach to functional shares (wages and profits) and to the personal distribution of income;
- (b) inflation theories: an analysis of inflation and, more particularly, recent theoretical and empirical work in this major area;
- (c) resource allocation through pricing and investment decisions: foundations in welfare economics, pricing decisions for alternative objectives and various contexts, investment appraisal for profit- and welfare-maximisation.

##### *International Economics*

A thorough treatment of international trade and monetary applications to policy issues. Areas covered include:

- (a) Basis of specialisation; gains from trade; factor endowments and factor pricing; transport costs; technological change; empirical tests of theories.
- (b) International monetary system; balance of payments; price and income adjustments to balance of payments disequilibria; foreign exchange; international liquidity; capital movements; internal and external equilibrium.
- (c) Tariffs and tariff policy; impact of market power; direct controls on trade and payments; customs unions; state trading; reform of the international monetary systems; trade problems of countries at different stages of development.

##### *Economic Development*

A broad appraisal of the problems of economic development with an emphasis on international economic influences on developing economies. The performance of developing economies over the past three decades is reviewed and the major features in the recent experiences are examined. Attention is given to the major factors in the development process reflecting both domestic and international influences on developing economies. The common features in the development challenge are treated but characteristics identifiable with individual economies are also taken into account. While the main focus tends to be on the economies of South and East Asia and the Pacific this is not exclusive; experiences and problems in Latin America and Africa are also treated during the lectures. The Australian connections with developing economies especially in East Asia and the Pacific will be assessed and policy issues related to those connections reviewed.

The initial part of the course will be taken up with concepts of the development process and the recent experiences of developing economies. The main thrust of this section is the analysis of theories of growth and

development in an international setting and then a review of what has taken place.

The next main section of the course examines the resources appropriate to an appraisal of development. This is not only a matter of issues such as population growth but also organisational arrangements, including the role of government, and technology.

The following section treats development strategies potentially available to developing economies. This encompasses questions of priorities and choices in policy as well as constraints arising in trade, size of economies and institutions.

The final section of the course is concerned with policy issues. It is linked to the wide coverage of domestic and international issues in the preceding section. This section will include an appraisal of Australian policy problems in relation to developing economies, especially those of the ASEAN group, Papua New Guinea and the South Pacific.

##### *Quantitative Economics II*

This option deals with the use of mathematical and econometric techniques in theoretical and applied economics. The work is divided into three parts: students who have already completed (or been exempted from) Quantitative Economics I do all three parts; other students, with advice from the lecturer in charge and permission from the head of department, take Quantitative Economics I together with one of the three parts. In all parts of the course the emphasis is on the use of the methods in economics rather than on the theoretical derivation of the mathematical results.

**Part A: Applied Econometrics.** The objective of this part of the course is to provide sufficient knowledge and experience for an appreciation of the usefulness (and limitations) of some of the econometric methods used in economic research. The course will examine the ways of diagnosing and the implications of such problems as multicollinearity, heteroscedasticity autocorrelation, qualitative dependent variables, lagged variables, specification errors, errors in variables, simultaneous equation estimation, and so on.

Students will be given first hand knowledge of these problems via simulation and computer exercises.

##### **Part B: Mathematical Methods in Economic Theory.**

This part of the course introduces some of the more advanced mathematical methods applied in economic theory and in analysing economic models. The methods covered are linear models, complex numbers and difference and differential equations, with emphasis being given to their application to the stability analysis of linear dynamic systems rather than to their theoretical derivation.

**Part C: Optimisation in Economic Analysis** deals with the use of optimisation techniques in economic analysis. Emphasis is put on the general ideas of constrained optimisation and on the methodology of model-building in the context of economic optimisation. Particular models and techniques to be studied include: multivariate optimisation with equality constraints; multivariate optimisation with inequality constraints; Kuhn-Tucker conditions, and economic contexts and interpretations; mathematical programming models—linear and non-linear programming; multi-period formulations, and the choice of time horizon; and a miscellany of ad hoc economic optimisation models.

##### *Business Economics*

The analysis of decision making, business, markets and industries.

<sup>1</sup> Not all of these options may be available in any one year.

That part of the course concerned with decision making falls into three sections. The first section emphasises institutional and organisational aspects of the firm. Topics include a game theory approach to conflict and uncertainty, cartels and international decision-makings. The implications of alternative goals of the firm are also discussed. The second section considers techniques, such as linear programming and forecasting, with respect to both policies of firms and the study of economics in general. The third element examines the firms' decisions with respect to net investment, replacement investment, pricing and advertising.

That part of the course treating business industries and markets is directed to a case study approach in order to explore and develop themes in the area of industry and resource economics. It draws on empirical studies conducted in various countries, examining such topics as competition and entry, price competition and excess capacity, non-price competition, new-product innovation, structural change and the conservation and exploitation of resources.

### *History of Economic Thought*

The evolution of economic ideas from the early eighteenth century to the present day, with emphasis on the intellectual and social background that influenced the more important contributions. In Lent term, after a discussion on mercantilism and Physiocracy, the work of Adam Smith and Ricardo are studied in detail. In Trinity term, nineteenth century economics is studied with special reference to the early criticisms of Ricardo, the work of John Stuart Mill and Marx, and the marginal revolution. Michaelmas term deals with the developments of the twentieth century; developments in neo-classical theory, the Keynesian revolution, and post-war developments in the theory of growth, distribution and economic policy.

### *Marxism and Socialism*

This course is divided into two major parts. Part I deals vigorously with Marxian economics and its relation to modern economic theory, particularly input-output analysis and theories of capital, growth and business cycles. Some attention will be given to the problem of transition from capitalism and socialism. Part II deals critically with the theory and practice of economic planning in contemporary socialist countries (U.S.S.R., Eastern Europe, China, Vietnam and Cuba). In particular this part of the course seeks to understand the role played by Marxian economics in shaping the economic policies and institutions of these countries, the institutional environment in which planners operate, and the criteria and techniques used in drafting and implementing economic plans.

### *Money and Finance*

The area of money and finance is vast, from questions about the effect of interest payments on bank reserves to the issues of monetary policy, inflation and exchange rates, from practical matters such as the stance of monetary policy in Australia to the rarified question of whether individuals should be allowed to issue private moneys! While the course does not cover the whole field it is broad in scope, and is split roughly into three sections.

The first section looks at individual financial markets and corresponds to what has been covered in microeconomics, plus some additional material of special relevance to monetary economics. The second section examines interactions between financial markets; that is, it looks at the monetary system as a whole.

The final section is essentially applied macroeconomics, with special reference to monetary policy in open economies.

### *Post-Keynesian Economics*

The development of one school of thought that has its origins in Keynes' General Theory but which has also relied on the work of Kalecki. This school is largely associated with Cambridge Economics and has developed alternative approaches to the theory of fluctuations, growth distribution, money and economic policy (including public finance) in which 'microanalysis' (theory, the firm, public policies, etc.) is closely integrated with 'macroanalysis'. The emphasis in this course is not on negative aspects of the Cambridge controversies about capital theory but on the more positive development of a general economic theory which attempts to overcome some of the shortcomings inherent in 'neo-classical' analysis which were disclosed by the Cambridge controversies and the economics of Keynes.

### *Public Resources and Public Policy*

In Australia as in most other economies, the public interest in the provision of goods and services and the use of resources is recognised to be very considerable; accordingly, public provision—or public regulation of private provision—is often deemed desirable. This applies especially to public goods, externalities and natural monopolies. However, it is still difficult to agree on criteria to be used in determining public policy on these matters.

This course includes a discussion of alternative criteria, and of the development of working rules such as those to be found in cost-benefit analysis. The major part of the course examines various fields of public policy, including transport, the environment, and mineral and energy resources.

### *Regional and Urban Economics*

Some of the most intractable economic and political problems occur in regional and urban policies; especially important are problems stemming from imbalances of economic development between regions, and from the tendencies for agglomeration into urban areas. This course examines such problems from a broad standpoint, including interdisciplinary aspects where appropriate. It includes analysis of issues in location, urban and regional growth, and cities viewed as systems, and examines these with a view to clarifying policy options, especially in Australian circumstances.

### *Australia and World Capitalism*

This course deals with the major forces at present restructuring the world economy, with particular reference to the institutions concerned, and the implications of this restructuring for the Australian economy. The first part of the course examines the new international division of labour, its origins, the role that transnational corporations are playing in it, and the attempts being made to regulate it and the transnational corporations themselves by various international organisations. The second part of the course considers the changing balance between the different sectors of the Australian economy—manifest in part in a changing distribution of income, changes in technological reliance, and the policies of the federal government as they relate to international pressures for structural change and to the structural change itself. Special emphasis is given to implications for employment opportunities within Australia.

***Economic Conflict and the State***

This course examines conflict and power within contemporary capitalist economies and, against this background, a range of state economic policies. The modern state is considered capable of resolving or at least containing economic conflict, although in a manner that may reflect its partial dependence on the more powerful parties to conflicts. The course canvasses a number of analytical approaches to conflict, which differ according to their versions of the locus and character of economic power. Care is taken to acknowledge that the arena of any conflict is typically broad and complex. Given that the nature of economic conflict is historically determined and differs between nations, the examination of state economic policies is undertaken partly by means of case studies of significant periods in the development of some of the major capitalist economies. The overall object of the course is to establish the principles on which the efficacy of various state economic policies depend.

***Labour Economics***

Labour markets are of considerable importance to everyone in a society. Their workings are essential to issues of economic and social policy, but these are often poorly understood. This option addresses a number of issues relevant to the workings of labour markets in Australia. Overseas material is employed when useful insights can be gained. Throughout the year the joint themes of the applicability and limitations of economic theory are explored. A basic premise is that empirical observation and theoretical perspective are mutually indispensable.

**Economics III Honours**

Students who obtain a credit level or better in this course are qualified to enter the final honours year. Students entering from Economics II undertake a significantly different course from that offered to Economics III candidates. Their course presupposes the level of quantitative work in Quantitative Economics I in Economics II. It comprises Advanced Economic Theory, Quantitative Economics II, one other subject chosen from the list of options for the senior normal course and an Advanced Economics seminar, for all third year advanced students, and emphasising policy problems.

It is recommended that the chosen option be International Economics.

Students entering from Economics II(P) are required to take two options chosen from History of Economic Thought, International Economics, Post-Keynesian Economics, Regional and Urban Economics, and Economic Conflict and the State, plus one other subject chosen from the list of options for the senior normal course. They have also to take the Honours Economics Seminar for third year honours students.

**Economics III Supplementary**

This course consists of any one subject not already taken from the list of courses provided for Economics III.

**Economics III Additional**

This course consists of any two options not already taken from the list of options provided for Economics III.

**Final Honours Year**

Candidates for final honours may complete requirements in one of three ways:

- (a) by taking four subjects, each including a two hours' lecture or seminar per week.
- (b) by taking three subjects and submitting an extended essay not exceeding 15 000 words.
- (c) by taking two subjects and submitting a thesis not exceeding 25 000 words.

The subjects offered this year will be drawn from the following schedule, though some may not be available.

- (a) Advanced Macroeconomic Theory
- (b) Advanced Microeconomic Theory
- (c) Economic Development
- (d) Economic Planning
- (e) Economic Classics
- (f) Australian Macroeconomic Model Building
- (g) Finance
- (h) Transport Economics
- (i) Monetary Economics
- (j) Issues in Neo-Marxist Political Economy
- (k) General Equilibrium Theory
- (l) Public Economics

In addition there is a seminar for all students on Australian Government Economic Policy Documents, and there will be an examination on this material.

**GOVERNMENT AND PUBLIC ADMINISTRATION****Government I**

Government I is organised into a number of options of which students must choose one. The content and emphases of the options will differ but all will be concerned with central aspects of politics. Most options include a major discussion of the Australian political process — unless otherwise noted in the departmental handout. Some options emphasise contemporary issues and public policy formulation; others are based on a comparative examination of political behaviour and institutions; still others stress alternative methods of political analysis, questions of political philosophy, or political sociology. Options will have different teachers and will be presented at different times and places. Full details of the options will be found in the Government Department handout available at the time of enrolment.

**GOVERNMENT II AND III**

Students in these years have a wide choice of half-year short courses. These are listed as Intermediate Short Courses and are grouped under the headings (A) Political Theory, (B) Comparative Politics, (C) Public Policy, (D) International Politics and (E) Political Sociology. Students intending to complete a major in Government are required over the two years to take short courses in at least two of the five groupings.

To pass Government II or III, students must complete each short course at a satisfactory level, as well as achieve a pass in the course as a whole. To pass a short course, students must complete all assignments and examinations at a satisfactory level, as well as achieving a pass overall.

In any given year some of these options will be unavailable. Before enrolling, students should check with the department.

**Government II**

Students in Government II must take two short courses (one in each half of the year) from the list

below. One of these courses must be a Gatekeeper course (see list).

### Government II Honours

Students in Government II Honours must take two short courses (one in each half of the year) from the list below plus a second year honours seminar course. At least one of the second year courses chosen should be a Gatekeeper course.

### Government III

Students in Government III must take two short courses (one in each half of the year) from the list below. Students cannot repeat courses completed previously, and in Government II and III combined must have taken short courses in at least two of the five groupings.

### Government III Additional

Students may take Government III Additional as an extra course in Government. Students are required to take two intermediate short courses (one in each half of the year), not already completed previously, from the list below.

### Government III Honours

Students in Government III Honours must take three short courses, not already completed, from the list below (two in the first half of the year and one in the second), one of which must be a third year honours seminar, except with the permission of the head of department. Students also complete an honours research essay and a third term seminar designed to prepare them for fourth year thesis work.

### Final Honours Year

Students work as far as possible under individual supervision. Courses to be attended will be arranged with the head of department. Besides a substantial thesis, students will normally take two seminars from such areas as political theory, Australian politics, international politics, and public policy and administration.

### GROUP A: POLITICAL THEORY

#### Classical Political Theory I (Gatekeeper course)

This course is the first of a three-part survey of Classical Political Theory intended to provide for students specialising in the political theory strand a fairly intensive exposure to the writings of the classics. This first section covers Social Theory, political, ethical, and to some extent psychological, during the period of development from the ancient city state to the early modern nation state.

#### Classical Political Theory II

Students will read and discuss the original texts of a few great thinkers; learn how to interpret and evaluate these books, as well as learning the content of them. They will compare each thinker to others of the same epoch; and solve the same kinds of problems that these thinkers did. Thus students will be learning political theory by doing it. The subject matter of this course will be of particular interest to students of law and philosophy.

#### Classical Political Theory III

This course complements the courses offered in rotation within the department which complete the survey of major political theorists from antiquity (Classical Political Theory I) to the present (Classical Political

Theory II). If it was Marx who formulated the theory of capitalism, Weber sought to account for its historical preconditions, while Nietzsche mounted a penetrating critique of mass society in advance of its time. Heidegger investigated the presuppositions of science and technology which underpin modern industrial society and its political forms. They are the philosophers of a world experiencing rapid change and frequent crisis in the social, economic and political shape of society.

### Ethics and Politics, Science and Technology

What social values underlie the technological society? Is technology autonomous and self-propelling, an in-built mechanism of social development and progress, or is it the outcome of rational choices? What are the ethical responsibilities of scientists, engineers and technicians and how can they be held responsible for the social and environmental consequences of technology? What role can professional ethical codes play in establishing responsibility and how can the ethical dilemmas facing scientists and engineers be resolved in terms of a personal ethic? Do parliament and the courts have responsibility for establishing guidelines for public accountability in these fields, and to what extent should business and private corporations pay the price of mistakes?

### GROUP B: COMPARATIVE POLITICS

#### Japanese Politics

A study of the politics and government of post-war Japan. Main topics will include: the governmental structure, the bureaucracy and policy making, the ruling Liberal Democratic Party, the opposition parties and their electoral support, the relations between business and government, and recent issues in domestic and foreign policy. Emphasis will be given to examining various interpretations of the character of contemporary Japanese politics: a society structured in a hierarchy of patron-client relations; the causative role of traditional attitudes and cultural values; the manipulation of those values in the interest of the capitalist state; modernisation theory; 'Japan Incorporated'.

#### Politics of Development (Gatekeeper course)

An analysis of changes in political systems which have accompanied economic development and of the characteristic political processes of contemporary less developed countries. We will consider the utility of the principal theoretical approaches to the politics of development and the actual experience of selected industrialised and industrialising countries.

#### Politics of Papua New Guinea

The course will seek to understand the national politics and government of contemporary Papua New Guinea in their neo-colonial and traditional settings. Topics to be covered include: the politics of custom and the village; the colonial impact; self-government and the development of political parties; the constitution, parliamentary democracy and cabinet government; the bureaucracy and the problem of development; elections, ideology and the post-independence party system; the Papua New Guinea/Australia/Indonesia triangle and the border problem; relations with the South Pacific and ASEAN; the impact of Australian aid and trade; the domestic and international politics of large-scale resources development; the politics of Melanesian feminism; the politics of social decline (law and order, corruption, the environment, the new ruling class).

**Problems of Political Change**

A survey and discussion of theories of change focusing on the modern European state: its origins, expansion overseas and recent evolution. Particular emphasis will be given to the problems of territorial and ethnic minorities, both in the ex-colonial world and in contemporary Europe.

**Western European Politics**

An introduction to the politics of Western Europe as a whole, with the emphasis on the European community and its largest members (West Germany, Italy, France and the U.K.) The main themes of European politics since World War I and their political consequences will be surveyed. Special attention will be paid to the post-World War II settlements in the big four; the emergence of the European communities; to the so-called crisis of democracy in the seventies; to the formation and development of a single European community; and to the emerging patterns of the eighties.

**The Politics of the U.S.S.R. and Eastern Europe**

The focus will be the question of reform in the Soviet Union and Eastern Europe. After analysing the development of the Soviet model from its origins in 1917, the course will examine the post-Stalin attempts to bring about reform and change in the structure of that model. The attempts made in the Soviet Union will be compared with the initiatives for change in Poland, Czechoslovakia, Hungary and Yugoslavia.

**Southeast Asian Politics**

Comparative analysis of economic and social development, and political change in four Southeast Asian states: Indonesia, Malaysia, Singapore and Brunei; political dimensions of ethnic conflict, insurgency, militarism and the dilemma of poverty. Students will be expected to select and develop their own topic of study and to present their findings to the whole class during its weekly sessions.

**American Politics (Political Institutions, Elections and Political Values)**

The major national institutions in the U.S.A., like the Presidency, the Congress and the Supreme Court; and the underlying values that support the American system of liberal democracy will be considered. Special attention will be given to events leading to the Reagan re-election and to the impact of this on American government and society. Particular attention will be paid to America's superpower role in world affairs, to U.S. hegemony in Australia and to the significance of the U.S. elections in November 1986.

**Government and Politics of Modern China**

An introduction to government and politics of modern China. Brief examination of traditional background and modern revolution from the 19th century to 1949. The course will consider ideology, leadership, institutions and political processes of the People's Republic and cover the politics of social groups, major issue areas, the Cultural Revolution and subsequent developments.

**Authoritarian Politics**

This course will compare a range of different types of authoritarian regimes. Traditional authoritarian political structures will be contrasted with what one author calls modern authoritarianism before looking in more detail at the types of political systems which would fall into the latter category. Among the types of systems to be covered will be single party regimes (both narrow and broad), military regimes, police states, fuhrerist systems and corporatist structures. These

will be compared principally in terms of their institutional configurations, modes of operation, legitimating ideologies and conditions making for and sustaining them. Major concepts, such as authoritarianism, totalitarianism, militarism, praetorianism and corporatism will be investigated in the context of particular states.

**GROUP C: PUBLIC POLICY****Public Policy and Administration I (Gatekeeper course)**

This option is the basis for further work in the field of public policy and administration. It concentrates on the institutions and processes formulating and administering government policies in Australia. It will cover such topics as relations between government bureaucracies and the public; the power of public officials; control and accountability in administrative processes; the machinery of government; the career public service and politicisation; intergovernmental relations; and administrative change and reform.

**Public Policy and Administration II: Policy Analysis**

This course examines Australian public policies in the context of modern theories and techniques of policy analysis. Policies in areas such as social welfare, immigration, foreign policy, broadcasting and the environment will be discussed within the framework of the main themes and their application. The course also examines stages in the policy cycle including policy initiation, formulation and allocation, implementation, evaluation and termination. Students will be encouraged to specialise in specific policy areas.

**Human Rights and Australian Politics**

The course examines the recent and growing political debate and policy initiatives in Australia aimed at implementing human rights policies. The emphasis is distinctly Australian and concerned with public policy aspects of human rights. It will, however, touch on the question of what human rights are and where they come from. It will also be set in the context of the various international instruments (U.N. Covenants and Conventions, International Labour Organisation instruments, and the European Bill of Human Rights) as standards for the Australian debate, and pay attention to the rapidly expanding concerns of human rights concepts and policies over the role of governments to protect human rights in addition to the traditional concern of individual rights being protected against governments.

**GROUP D: INTERNATIONAL POLITICS****Theory of International Politics (Gatekeeper course)**

An introduction to a range of theoretical approaches to international relations, focusing on the way in which *Western* (conservative, liberal, radical), *Marxist* and *Third World* theorists have dealt with some of the central issues of contemporary international relations. The range of theories to be discussed will be grouped together under three headings: State-Centric Theory; World Economic Theory; and World Order Theory. More specifically the theoretical issues to be covered will include: the nature of international society; order in world politics; imperialism and dependency; development and underdevelopment; the international politics of population, pollution and resource depletion; and the future of the sovereign state system.

**The Superpowers: Global and Regional Issues**

The course will survey the major diplomatic and strategic issues in the contemporary superpower conflict.



Beginning with a study of the Cold War and its origins, the course will proceed to investigate the rise and decline of détente. It will then identify and analyse some principal issues in the strategic conflict between the superpowers: alliance management in Europe, relations with China, arms competition, arms control, strategic doctrine, military intervention and crisis management. For the remainder of the course attention is focused on the superpower role in regional conflicts of the Third World—especially in South and Southeast Asia and the Middle East. The Australian role in global and regional balances will receive some attention.

### **Politics of International Economic Relations**

This option will provide an overview of the principal theoretical approaches and substantive issues in international political economy. Particular attention will be given to five core issue areas: international monetary relations; international trade relations; the activities of multinational corporations; natural resource conflicts; and North-South relations. In each of these areas the objective will be to identify the principal actors and their strategies for influencing international production and change, and to explain the transformation of the rules and institutions that structure international economic behaviour.

### **Peace Studies**

The course will cover in some depth such topics as: conflict resolution; the causes of war and peace; the politics of arms control and disarmament; the consequences of nuclear war; the role of non-violent resistance in national defence; the moral dimension of global politics; human rights in armed conflict; the just war tradition and nuclear war; and the history and role of pacifism, peace movements, peace research and peace education.

### **Australian Foreign and Defence Policy**

This course provides students with a broad understanding of the formation, execution and nature of Australian foreign and defence policy. It will open with an examination of the aims and objectives of Australian foreign and defence policy and of the global and regional environments in which Australia is required to operate. It will provide a detailed analysis of the policy-making process by examining the role of all relevant factors such as parliament, the political parties and the various government bureaucracies. The largest section of the course will concern itself with a number of major issues in Australian foreign and defence policy, such as the defence debate (ANZUS or non-alignment), the Australian-Indonesian-Papua New Guinea triangle, and the problem of Australia's relations with the Third World.

## **GROUP E: POLITICAL SOCIOLOGY**

### **Politics of Information I**

Against a background of internationally emerging communications policies, the focus will be on Australia: continuity, challenge and change are key themes. Issues discussed may include: politics and economics of print media; technological challenges; national, commercial, public and special sectors in broadcasting; self regulation and external controls; current policy issues in media (case studies); policies and the chances of reform; advertising. Industry and reform advocates take part in the lecture programme.

### **Political Sociology (Gatekeeper course)**

This option surveys some of the many ways in which politics is linked with other 'non-political' parts of society. There is a strong emphasis on some of the

more important social theorists such as Marx, Weber and Durkheim. There is also discussion of some of the important issues in contemporary political sociology—inequality, class, religion, political socialisation and violence.

### **Australian Political and Electoral Behaviour**

The focus of this course is the increasing amount of literature on electoral behaviour and mass based political behaviour in Australia. There will be a concentration on the processes by which Australians acquire their political attitudes, express them as public opinion, and put them into practice through different forms of political participation. Part of the course is concerned with the methodology of the behavioural study of politics, and students will be expected to take part in some survey-based project as a key element in the course.

### **Socialist and Labour Politics**

This course alternates with and supplements 'Working Class Politics'. It undertakes a comparison of Australia, Britain and the United States within three areas:

(a) *Background history; the making of the working class; bourgeois radicalism and socialism; early political activity; parliamentary reform; working class mobilisation and party formation; the revolutionary tradition; the first labour governments; depression and war; the welfare state; the end of the second long boom;*

(b) *Socialist and labourist political strategy: problems of social change and social structure, especially the nature of the state; bureaucracy; revolution or evolution; cultural change; methods of mass organisation;*

(c) *the institutions and political sociology of labour, socialist and social-democratic parties; leadership; composition; electoral support; current problems (the social contract; technocratic labourism; middle-class radicals; etc).*

### **Political Economy of Women**

This is a Faculty of Economics interdepartmental, interdisciplinary course offered by members of the Departments of Economics, Fine Arts and Government.

The topics covered in the lectures will include: early defenders of women's emancipation and the past and contemporary development of the feminist movement; women and political participation; the experience of Aboriginal women; women's role in the Australian economy from the late nineteenth century to the present (unpaid work, paid work, trade union activity); images of women presented in the media.

### **Australian State Politics**

A comparative study of the Australian states, with special reference to New South Wales. Topics include the institutional rules of the game (constitutional development, parliamentary procedures, electoral methods). Considerable attention will be given to the role of political parties and interest groups in state politics. Attention will also be given to state bureaucracies, new development and proposed reforms together with some policy formulation and implementation in some key areas of public policy.

### **Field Problems in Political Science**

An introduction to applied empirical research techniques and to understanding the uses and limitations of such techniques. All students will be required to take part in the design of the group project and the common data collection instrument. Students will also be introduced to automatic data processing procedures and to the spss statistical computing package.

No previous knowledge of statistics is necessary, but all students will need to become familiar with ways of applying statistics to empirical analysis. In addition to regular attendance at the three-hour workshop, students will need to meet in small groups outside class time and will also be required to participate in the community-based data collection exercise. Further information on the common project will be available in the department's registration handout. Students must meet with Dr Chaples before they are allowed to register for the option.

### Honours seminars

All students in Government II Honours are required to take the seminar *Political Analysis*. All students in Government III Honours must take the course *Political Power: Concepts and Methods*. These courses are each regarded as the equivalent of a Government II / III short course.

### Political Analysis

The course aims to help honours students to develop the disciplines and skills which they will need to excel in any area of substantial political inquiry. It will include attention both to theoretical approaches (problems of conceptualisation, explanation, comparing contending theories and ideologies) and to empirical data (the uses and limits of different research designs including the use of statistical data). More than in most courses, nearly every week students will have to do specific preparation for the tutorials, or do an exercise during the tutorial. Around half these exercises will include work on one selected concept (for instance, political culture, totalitarianism; crisis). Students will choose one of five tutorial groups. Each group will concentrate on examining work on its particular concept.

### Political Power: Concepts and Methods

Power is one of the central concepts in the social sciences; indeed it is often argued that political science can be defined as the study of power. Power is also extremely controversial: theoretically, methodologically and empirically. One of the major debates in political science has been about the way to investigate community power and what the investigations show about its distribution. This is the debate about the pluralist, elitist and class conceptions of power structure. Another controversy exists about the meaning of power and its relationship to other related concepts such as influence, authority, coercion, force, persuasion or manipulation. The course will examine these debates. This will permit a look to be taken at a number of central analytical issues in the social sciences: contending approaches to social explanation (functional, casual and intentional); the essential contestability of key political concepts; the agency/structure debate. The course will also cover the way the concept 'power' has been used in the political science literature dealing with international relations, state theory and business/government relations.

### Research Seminar

The seminar focuses on skills necessary in order to undertake fourth year thesis work. Areas covered include the selection of a thesis topic, research design and the organisation and writing-up of research. Students are required to prepare a thesis prospectus.

## LAW

### Legal Institutions

#### Public Law

#### Torts

#### Contracts

For details see under Faculty of Law.

For Faculty of Economics law courses see under Accounting.

## INDUSTRIAL RELATIONS

### Industrial Relations I

The programme is a comprehensive introduction to the study of the subject and a foundation for more detailed aspects of the discipline in Industrial Relations II.

The overview examines the development of the subject and then goes on to an institutional basis of industrial relations in Australia. Topics covered include: contemporary problems, the origins and development of unionism in Australia, the structure and operation of trade unions, the functions of management, arbitration systems, and the method of wage fixation and aspects of the law relating to industrial relations in Australia.

The remainder of Industrial Relations I deals with aspects of industrial conflict at the macro and plant level. Other issues examined include union security, unemployment, public policy and industrial relations, workers' participation, women, migrants in the workforce, strikes, technological change and unemployment.

### Industrial Relations III

This programme builds on the foundation laid in Industrial Relations I and Industrial Relations II and seeks to introduce students to contemporary industrial relations issues in Australia and industrial relations systems overseas. The course consists of two half-year components.

#### 1. *Contemporary Industrial Relations: Issues, Policies and Perspectives*

This component seeks to develop a number of practical and theoretical themes in industrial relations. Attention is focused on policy issues that have had a marked effect on the institutions and problems in industrial relations. It also seeks to raise students' awareness of the processes of industrial relations. The objective is not to develop specific practical skills, but to gain insights into how systems work in the context of a more analytical approach to the trends, pressures and prospects for industrial relations policy and planning at the micro and macro level.

#### 2. *Comparative Industrial Relations*

An introduction to the industrial relations institutions and practices of a number of developed market economies. In each case a historical sketch of the development of the institutions will be followed by an examination of trade unions, employers' associations, the role of the state, collective bargaining, strikes and industrial democracy.

### Industrial Relations II Honours

Intended primarily for students who wish to proceed to Industrial Relations Final Honours. In addition to undertaking the Industrial Relations II course, students must complete a seminar series *Industrial Relations Theory*.

## Industrial Relations II

This course introduces students to the main analytical disciplines underpinning industrial relations. Students must complete the following half year courses.

### 1. *Sociology of Industry and Labour*

An examination of the conceptual problems and applied issues in the world of labour and industry that sociologists have attempted to illuminate. The course begins with a brief introduction to general sociological principles, and then proceeds to the deeper analysis of the central topics of industrial sociology. These include the effects of technology on worker attitudes and behaviour, the problems of job satisfaction and alienation, the analysis of the occupational structure and the sociological approach to the study of trade unions.

### 2. *Legal Aspects of Industrial Relations*

An examination of the legal dimensions of problems and issues that arise in labour relations. These include the nature of the employment relationship and its termination, and modes for the determination of normative rules governing the operation of the relationship. Covered under this heading are problems that arise in connection with the Australian system of conciliation and arbitration, trade unions in the arbitration system, their registration and regulation of their internal affairs; and the attempt to control industrial hostilities by the use of law. The specific subject matter is likely to vary from time to time by reason of the changing character of current problems affected with a legal element; but a basic aim throughout will be to demonstrate the nature of law as a social phenomenon and the scope of the limitations upon its operation in the field of labour relations.

### 3. *Historical Development of Industrial Relations*

This course concentrates primarily upon the history of industry relations in Australia prior to the adoption of wage indexation in 1975. It draws its material from the research and concepts of industrial relations, labour history and economic history.

### 4. *Legal Aspects of Industrial Relations*

The Australian legal framework. The scope of industrial law. The employment relationship. Federal-state division of legislative power in industrial relations. The industrial arbitration systems—courts, tribunals and awards. Current developments in the law and politics of the systems will be referred to throughout the course.

### 5. *Economics of Labour Markets*

An examination of the manner in which labour economists have analysed some of the key issues relating to the employment relation. Emphasis is placed on applied topics of special relevance to the contemporary Australian labour market.

## Industrial Relations III Honours

Industrial Relations III Honours students must complete the Industrial Relations III course and a research essay plus two half-year courses from the courses that are offered.

## Final Honours Year

In broad terms, the final honours course aims at providing basic professional training in introductory industrial relations research, coupled with an advanced understanding of the field's academic development and scope.

Admission to the course is restricted to those who have obtained a credit or better in Industrial Relations

III (Advanced). The coursework consists of seminars conducted by departmental staff and specially invited academic researchers in the field of industrial relations.

Assessment will be on the basis of seminar papers and a thesis submitted at the end of Michaelmas term.

## GEOGRAPHY

For details see under Faculty of Science.

## MANAGEMENT AND PUBLIC POLICY

See under Graduate School of Management and Public Policy for information about the Master of Business Administration and the Master of Public Policy.

# Faculty of Education

## PROFESSIONAL COURSES

### BACHELOR OF EDUCATION (PRIMARY EDUCATION)

#### Primary Education I (Year II), II (Year III) and III (Year IV)

These courses include the following elements:

- (1) Theory of primary education, including a study of the aims of the primary school and of the psychology, growth and development of the primary school child.
- (2) General strategies of teaching; skills in effective teaching and management; and organisation in the primary school.
- (3) Curriculum courses in Children's Literature, Language Study, Music, Social Studies, Art and Craft, Science, Health and Physical Education. These consider the aims, content, resources, implementation and evaluation of each primary school curriculum area.
- (4) Practical experience in schools and institutions, including systematic observations and practice teaching.

### BACHELOR OF EDUCATION (EARLY CHILDHOOD EDUCATION)

#### Early Childhood Education I (Year II), II (Year III) and III (Year IV)

These courses include the following elements:

- (1) Theory and research in early childhood education, particularly related to the growth and development of young children (birth to age 8).
- (2) General strategies of teaching; skills in effective teaching and administration in primary schools (K-2), preschools, and child care centres.
- (3) Curriculum courses in art, mathematics, language study, social concepts formation, science, health, safety and nutrition, music, and general motor development and movement. These consider the aims, content, resources, implementation and evaluation of each early childhood education curriculum area.
- (4) Practical experience in schools, preschools, and child care centres, including systematic observations and practice teaching.

### BACHELOR OF EDUCATION (HUMAN MOVEMENT EDUCATION)

#### Human Movement Education I (Year II), II (Year III) and III (Year IV)

The courses are composed of the following elements:

- (1) Historical and sociological studies related to the development of physical education and sport, and issues arising from current practices in the field.
- (2) Exercise science, which includes the study of body function and process as related to movement and performance.
- (3) Motor behaviour, which deals with factors of growth, learning and the psychological processes in relation to the learning and performance of motor skills.
- (4) The study of leisure and physical activity as recreation.
- (5) Professional preparation, which includes teaching methods, curriculum design and administration for physical education in primary and secondary schools.
- (6) Curriculum skill courses and special methods for school programmes in physical education.
- (7) Systematic observation and supervised teaching practice in primary and secondary schools.

#### Health Education

This course includes the following elements:

- (1) The meaning and significance of health education to the individual and to the community.
- (2) The nature and aims of the pre-primary, primary and secondary school health education programme.
- (3) Health needs and health interests of boys and girls as related to their growth and development.
- (4) Studies in the content and teaching methods in health education as it concerns pre-primary, primary and secondary school children.
- (5) School health services studies.
- (6) Studies in healthful school living.
- (7) Nature of agencies and organisations concerned with school health education.
- (8) Evaluation in health education.

### BACHELOR OF EDUCATION (SECONDARY EDUCATION)

#### Secondary Education I (Year II), II (Year III) and III (Year IV)

These courses include the following elements:

- (1) Theory of secondary education, including its general aims, scope and structure, and of the psychology, growth and development of the secondary school student.
- (2) General strategies of teaching, including learning theories applicable to the various curriculum areas; skills in effective teaching and management; secondary school organisation and administration.
- (3) Curriculum courses in English, History, Social Science, Mathematics, Economics, Geography. These consider the aims, content, resources implementation and evaluation of teaching in the respective secondary subject areas.
- (4) Practical experience in schools, institutions and their communities, including systematic observations and supervised practice teaching.

## GENERAL UNDERGRADUATE COURSES

The Faculty of Education offers a wide range of courses offered in the Faculty of Arts. These are not designed to prepare students for such professions as teaching but rather seek to promote the understanding of education as a social phenomenon. As such these courses open up for analysis the complexities of education through study in a number of fields. For example there is the study of the nature, context and processes of education through historical, psychological, philosophical and sociological perspectives; there is the study of human growth and development and their implications for education; and there is the study across different societies and cultures of the relationship between education and politics, social organisation and economic development. The following course units, arranged in two programmes, are available:

### 1. Educational Psychology and Measurement

- 110 Human Growth and Development A
- 111 Statistical Analysis in Educational Research
- 112 Introduction to Educational Research Methodology
- 210 Human Growth and Development B
- 211 Atypical Children
- 310/410 Psychology of Learning and Instruction
- 311 Adolescence
- 313 Evaluation and Measurement in Education
- 415 Research Practicum in Educational Psychology

### 2. Social and Policy Studies in Education

- 120 Theory, Policy and Practice in Education A
- 220 Theory, Policy and Practice in Education B
- 320/420 Professional Philosophy of Education
- 321/421 Persons and their Education
- 322/422 Towards a Christian Theory of Education
- 130 The Universal School: theory into practice
- 230 Schooling and its Reform
- 330 Modern Educational Thought
- 430 History of Australian Education
- 140 Sociological Perspectives on Education
- 240 Selected Issues in Sociology of Education
- 340/440 Family, Community and Education
- 341/441 Ethnic Relations and Education
- 342/442 Class and the Curriculum
- 150 Education in Southeast Asia and China
- 250 International and development education
- 350/450 Education and modernisation
- 351/451 Education in Australia in an international perspective

## Education II

Students select four units from levels 1 and 2 only. Of the four units, at least two must be from the same programme (one a level 1 unit, the other from level 2). Normally one of the first half-year units will need to be followed by higher level units from the same programme to make up a sequence of four units required to complete Education II and Education III.

## Education III

Students enrolled in Education III study four course units, from levels 1, 2, 3 or 4 depending on their backgrounds. Students who have not completed Education II will select units from levels 1 and 2 only, except where they may be deemed to have a background suitable for study at the higher levels. In the particular case of Educational Psychology, a student who has completed Psychology IIB or Psychology III (develop-

mental) is permitted to take levels 3 and 4 of the Educational Psychology programme but may not take units 110 and 210, Child Growth and Development A and B, for reasons of course content overlap. A student who has completed Education II will build on the sequences commenced in Education II, so that by the completion of Education III eight units will have been studied. Four or five units must have been selected from the same programme, the remaining units taken from one or more of the other programmes.

In general, no level 2, 3 or 4 unit may be studied without the prior completion of a lower level unit in the same programme. Some units can be taken at either level 3 or level 4, e.g. 341/441, 310/410. All units are of equal weight, each being of a half-year's duration. Normally students select two units each half-year.

## Education IV (Honours)

Education IV is a full-time one-year honours course, which can be taken only after successful completion of the pass and honours work in Education II and Education III. In certain circumstances permission may be granted to complete Education IV over two years. Students are required to complete two areas of work:

- (a) an investigation of a special problem supervised by appropriate staff members; and
- (b) participation in seminars as prescribed by the head of department.

# Faculty of Engineering

The details of courses should be read in conjunction with the Senate Resolutions governing the award of degrees in the Faculty of Engineering (see Chapter XIV of the by-laws).

The courses provided by the Faculty of Engineering are described in greater detail in the faculty handbook which also contains details of elective and honours courses.

To qualify for the award of the degree of Bachelor of Engineering (BE) candidates must complete all the core courses prescribed for at least one branch of engineering together with sufficient elective courses to make a total of not less than 96 units.

## Junior courses

Junior courses may be taken in the first or later years of attendance. In their first year all candidates must include courses in chemistry, mathematics and either physics or mechanics or both.

**1.010 Mathematics I** **6 units**  
For details see under Faculty of Science.

**1.018 Mathematics IE** **5 units**  
*Classes:* Lent term—four lectures and 1½ h tutorial each week. Trinity term—three lectures and 1 h tutorial each week. Michaelmas term—five lectures and two tutorials each week.

As for 1.010 Mathematics I but excluding dynamics and with some topics presented in a different order.

**1.022 Mechanics IE** **3 units**  
*Classes:* Lent term—three lectures, 1½ h tutorial and 2 h laboratory each week. Trinity term—two lectures and 1 h tutorial each week.

Vectors, statics, stability of equilibrium, kinematics, dynamics of a single particle, dynamics of particle systems, collisions, two-dimensional rigid body dynamics.

**1.040 Physics IE** **4 units**  
*Classes:* Three lectures and a 3 h laboratory class each week in Trinity and Michaelmas terms.

Oscillations, waves, optics, electrostatics, current electricity, magnetism, electromagnetism.

**1.041 Physics I** **6 units**  
For details see under Faculty of Science.

**1.047 Computer Science I** **6 units**  
For details see under Faculty of Science.

**1.051 Chemistry I** **6 units**  
For details see under Faculty of Science.

**1.052 Chemistry IE** **4 units**  
*Classes:* Three lectures and one 3 h laboratory session each week in Lent and Trinity terms.

Chemistry IE will cover chemical theory, inorganic and physical chemistry. The detailed syllabus is as provided for Chemistry IB by the Chemistry School but deletes the organic chemistry covered in Michaelmas term.

**1.111 Workshop Technology** **2 units**  
*Classes:* 59½ hours of lectures, demonstrations and workshop practice, covering the elements of fitting, machining, welding, heat treatment, blacksmithing and founding.

The course is given by the Department of Technical Education at the Sydney Technical College.

**1.123 Engineering Programming and Graphics** **3 units**  
*Classes:* one lecture and one 2 h tutorial class each week each term.

Unit 1 provides fundamental instruction in a Structured Computer Language using FORTRAN 77. Number representations, arrays, loops, branches, subroutines, logical variables, character variables, I/O formats and operations, compilers, loaders, mass storage, debugging systems.

Unit 2 provides fundamental instruction in a Graphical Computer Language using the International Standard Language GKS (Graphical Kernel System). Graphical control functions, output functions, attribute functions, transformation functions including windows and viewports, segment functions, input functions, inquiry functions, graphical output devices including plotters and VDUs, graphical input devices including cursors, graphical tablets and mice.

The third unit provides fundamental instruction in viewing and transforming 3 dimensional objects using a 2 dimensional graphics system (GKS 2D). Geometric representation of 3D objects, picture planes, isometric and perspective projections, rotational and translational transformations, topographical information and contour maps.

**1.124 Engineering Programming and Graphics Auxiliary**

See units 1 and 2 of course 1.123 above.

**1.125 Introduction to Engineering Construction** **2 units**  
*Classes:* One lecture and 3 h drawing office class in both Trinity and Michaelmas terms.

- (a) Engineering Projects. Introduction to the planning, design, construction and operation of engineering projects. Economic and non-economic evaluation of projects.
- (b) Elements of Engineering Science. Structures, geomechanics, materials, hydraulics and water resources, environment, systems, management.
- (c) Communications. Freehand and scale drawing, engineering plans, shop drawings, techniques for producing drawings. Preparation of reports, verbal and written.

**1.141 Engineering Drawing** **1 unit**  
*Classes:* approximately 10 lectures and 50 hours'

drawing office practice covering the machine drawing section of the course 1.191—see below.

**1.142 Engineering Mechanics I** **2 units**  
*Classes:* one lecture and one 2 h tutorial class each week during Lent and Trinity terms.

Basic concepts: scalars and vectors; units; the SI system. Statics of the rigid body: forces and moments; systems isolation; free body diagrams, and equilibrium criteria. Elementary principles of virtual work. Elementary kinematics and dynamics of the rigid body: angular and linear velocity; plane curvilinear motion of a particle; absolute and relative motion. Distributed force systems: beams with distributed loads; statically determinate, pin-jointed structures.

**1.150 Basic Electrical Engineering** **2 units**  
*Classes:* three lectures and one 3 h laboratory or tutorial class each week for one term.

Definition of electrical quantities, SI units; charge and energy conservation laws. Time-varying voltages and currents, average and effective values, power, energy. Linear circuit elements such as: resistance, capacitance and inductance; energy dissipation and storage. Analysis of simple dc circuits, voltage and current division; transients in first-order circuits steady-state analysis of simple circuits under sinusoidal excitation. Analysis of simple circuits consisting of diodes and transistors; operational amplifiers. Principles of electromechanical energy conversion; generators and motors. Principles of logic gates; introduction to micro computer.

**1.163 Chemical Engineering I** **4 units**  
*Classes:* two lectures each week in Lent and Trinity terms. One 3 h tutorial each week throughout the year.

Introduction to large-scale chemical processing; discussion of typical flowsheets for the manufacture of basic chemicals. The application of physico-chemical principles to materials and energy balance calculations.

Introductory BASIC computer programming with associated tutorial work.

A survey of the nature of chemical engineering, the Australian process industries, and the main professional activities of chemical engineers.

A major assignment involving the computation of material and energy balances for a complete flowsheet, and an essay on some aspect of the chemical industry.

**1.181 Materials I** **2 units**  
*Classes:* the course is given twice during the year. Each session is of two terms' duration with 36 lectures and approx. 12 hours of tutorial and laboratory classes. Session (a) commences in Lent term, and session (b) in Trinity term.

Materials classification. The concept of a material property, types and importance for the engineer. Abundance of elements, materials cycle, energy content of materials, relative price of materials, consumption of resources. A consideration of the production of the metals of most importance to the engineer.

The mechanical properties of materials—bonding between atoms. Packing of atoms in condensed solids, metals, polymers, ceramics and glasses. Elastic moduli; stress and strain. Yield and tensile strength, hardness, testing methods, data. Plastic deformation; ideal strength, role and nature of defects giving rise to plastic flow. Fracture and toughness; fast fracture and catastrophic crack growth, toughness and fracture toughness, ductile tearing, cleavage. Fatigue failure;

testing, mechanisms, fatigue relationships. Creep deformation and fracture; temperature effect, testing, diffusion aspects. Friction and wear; lubrication.

Polymers; giant molecules and their configurations, crystalline and amorphous polymers. Wood as a material; structures and properties, processed wood and products. Ceramic materials; ceramic compounds, polymorphs and solid solutions, silica and the silicates, glasses. Concrete and composite materials; cement, concrete, properties, asphalt concretes.

Materials in hostile environments; types of environments; role of temperature, the surface of the material, presence of oxygen, aqueous media, other gaseous media, liquids other than water, radiation. Aqueous corrosion. High temperature problems; oxidation, creep.

**1.511 Electrical Engineering I** **5 units**  
*Classes:* (i) As for 1.141 Engineering Drawing; (ii) six lectures and two 3 h laboratory or tutorial classes each week in Michaelmas term.

(i) As for 1.141.

(ii) Definition of electrical quantities, SI units; charge and energy conservation laws. Time-varying voltages and currents, average and effective values, power. Linear elements such as resistance, capacitance and inductance; energy dissipation and storage. Ideal voltage and current sources; non-linear elements such as non-linear resistors, diodes, transistors, voltage-current characteristics. Analysis of simple dc circuits, voltage and current division; analysis of currents in first-order circuits; steady-state analysis of simple circuits under sinusoidal excitation. Application of circuit theory to analyse simple circuits such as diode rectifiers, filters, load-line analysis of a simple amplifier.

Electromechanical effects, application to indicating instruments, generator principles.

Introduction to digital systems design: organisation, component characteristics, design methodology. Combinational circuits: Boolean algebra, Karnaugh maps, NOR and NAND circuits, adders, multiplexers, decoders, parity generation and detection, magnitude comparators. Sequential circuits: flip-flop types, shift registers, counters, state transition logic, state machines. Standard logic symbols and notation: documentation of digital sequential controllers, digital computers. Number systems: binary, octal, hexadecimal, sign-magnitude, one's complement, two's complement, excess number system, I.E.E.E. standard binary floating-point numbers.

### Intermediate courses

Intermediate courses may be taken in the second or later years of attendance provided the prerequisite courses prescribed in the Senate Resolutions have been completed.

**2.011 Pure Mathematics II** **8 units**  
For details see under Faculty of Science.

**2.015 Mechanical Engineering Mathematics II** **6 units**

*Classes:* five lectures and three 1 h tutorials each week in Lent term; two lectures and one 1 h tutorial each week in Trinity term and three lectures and two 1 h tutorials each week in Michaelmas term.

The course consists of the components 2C1, 2C3, 2F1 and 2F2 of the course 2.011 Pure Mathematics II: Vector calculus, differential equations, matrix theory and applications.

**2.027 Numerical Methods 2 units**

*Classes:* two lectures and one tutorial each week in Michaelmas term.

Solution of non-linear equations. Numerical integration. Interpolation. Numerical solution of differential equations. Solution of systems of linear equations. Calculation of matrix eigen values.

**2.042 Physics II 8 units**

For details see under Faculty of Science.

**2.053 Chemistry IIE 6 units**

A course of lectures the same as for the course Chemistry II (Normal)—for details see under the Faculty of Science. Nine laboratory classes in inorganic chemistry (3 hours each) and physical chemistry (3 hours each) and six laboratory classes in organic chemistry (3 hours each).

**2.063 Engineering Geology 'A' 2 units**

*Classes:* two lectures and one 3 h laboratory class each week during Lent term provided by the Department of Geology and Geophysics.

An introduction to minerals, rocks and soils, their mode of occurrence, formation and significance. A general introduction to physical geology and geomorphology. Associated laboratory work on minerals, rocks and maps. Field excursions in the Sydney region.

**2.064 Engineering Geology 'B' 3 units**

*Classes:* two lectures and one 3 h tutorial and laboratory class each week in Trinity and Michaelmas terms. Provided by the Department of Geology and Geophysics.

Structural geology and tectonics, seismology, hydrogeology, surface and subsurface techniques for evaluation, clays, natural materials for construction purposes.

**2.122 Structural Design I 2 units**

*Classes:* three lectures and one 3 h design class each week in Michaelmas term.

Steel and concrete structures: behaviour, analysis and design of simple elements.

**2.123 Structures I 3 units**

*Classes:* lectures—one each week in Lent term, two each week in Trinity term.

Tutorials—one 2 h tutorial each week in Lent term, one 3 h tutorial each week in Trinity term and each alternate week in Michaelmas term.

Introduction, statics, stress resultants, plane triangulated frames, elementary elasticity, geometrical properties of areas, flexural stresses in beams, shear stresses in beams, uniform torsion, deflections due to bending, elementary instability.

**2.144 Applied Thermodynamics 2 units**

*Classes:* one lecture each week throughout the year. One 1 h tutorial each alternate week in Lent and Michaelmas terms. One laboratory-tutorial class each week in Trinity term (3 h laboratory, 1 h tutorial on alternate weeks).

Concepts, models, laws, dimensions, units.

Energy and the First Law, work modes, heat, internal energy, control mass analysis, control volume analysis, the First Law for chemical reactions.

Properties and state, the state postulate.

States of simple substances.

Energy analysis of engineering thermodynamic systems.

Heat engines and refrigerators, Second Law of thermodynamics, reversible and irreversible processes, Carnot cycles. Entropy, Second Law analysis for control mass and control volume.

Characteristics of thermal power and direct-energy-conversion systems.

**2.146 Engineering Mechanics II 2 units**

*Classes:* One lecture each week in Trinity and two lectures each week in Michaelmas term. One 1 h tutorial each week in Trinity term and one 3 h laboratory-tutorial class each week in Michaelmas term.

Newton's law: description of dynamic problems and free body diagrams. Kinetics of particles: equations of motion, work and energy, impulse and momentum, moving axis problems. Kinematics and kinetics of rigid bodies: kinematics of system of rigid bodies, mass and mass moment of inertia, translation, rotation and general planar motion. Engineering applications: vibration; linear system equations and steady state response. Dynamics of non-rigid systems.

**2.152 Applied Electricity 2 units**

*Classes:* three lectures and one 3 h laboratory or tutorial session each week during Trinity term.

Introduction to generation, transmission and distribution; electrical safety, 3-phase circuits; magnetic circuits; transformers; dc machines; induction machines.

Semi-conductor diodes; p-n junction; 2-port devices; transistor characteristics and equivalent circuits; simple amplifiers.

**2.164 Chemical Engineering II 4 units**

*Classes:* two lectures and one tutorial each week throughout the year. Six laboratory sessions during Trinity and Michaelmas terms.

An integrated introductory treatment of the transport of momentum, heat, and mass. Topics include: introduction to mathematical model development, concept of steady and unsteady-state; momentum transfer, flow measurement, pipe networks; heat transfer by conduction and convection, heat exchangers; mass transfer by diffusion and convection, inter-phase mass transfer; simple analogies between momentum, heat and mass transfer.

**2.171 Mechanics of Solids I 2 units**

*Classes:* lectures—two each week in Lent term and one per week in Trinity term. Tutorials—one 2 h tutorial class each week in Lent and Trinity terms.

Concepts of equilibrium, compatibility, stress and strain; study of internal stress systems due to tension, bending, torsion and shear, statically determinate and indeterminate structural elements; concepts of energy methods; displacement analysis; simple buckling. Presentation and emphasis based on type of structure common to mechanical, aeronautical, mining engineering, and engineering in general.

**2.176 Engineering Construction I 2 units**

*Classes:* two hours per week throughout the year.

Introduction to construction engineering fundamentals. Techniques for analysing construction systems; productivity and cost evaluation. Selection and evaluation of plant and methods in materials handling with special reference to earth and rock moving.

**2.442 Mechanical Design IA 3 units**

*Classes:* one 3 h design class each week during Trinity and Michaelmas terms.

Machine drawing: freehand pictorial drawing of



machine components drafting techniques and standard methods for making drawings; orthogonal and auxiliary projections and sections; dimensioning, tolerancing, conventional symbols for shapes, components, machining, and fabrication; some production aspects of threaded fasteners; detail, assembly, and layout drawings, and their relationships; instrumental pictorial drawing and its underlying principles; descriptive geometry. Basic design of engineering elements; including bolts and other fasteners, shafts, bearings and transmission elements; conceptual design by way of several minor tasks; one major design task, requiring both concept and detail, or a market-oriented product.

### 2.511 Electrical Engineering II 5 units

*Classes:* Two lectures and one 3 h laboratory or tutorial session each week throughout the year.

Power and electronics: ac circuit analysis with complex numbers; polyphase ac circuits; power distribution; magnetic materials and circuits; mutually coupled coils and transformers; dc and ac rotating machinery; introduction to semiconductors; junction diodes; simple rectifier and power supply circuits; characteristics of bipolar and field effect transistors; simplified small signal circuit models of transistors; simple amplifier circuits. Circuit theory: complex frequency representation; interpretation for dc, sinusoids, decaying and growing exponentials and sinusoids; dimensional analysis. Linear network analysis, meshes, nodes, superposition, Thevenin's and Norton's Theorems for dependent and independent sources, applications to multimesh and bridge circuits. Four-terminal representations of linear networks, impedance, admittance, transmission and hybrid forms, input, output, forward and reverse immittances, transfer ratios, generalised admittance matrix. Revision of coupled circuits and idealised transformers, models of non-ideal coupling, nodal representation and analysis of circuits containing coupled coils.

Analysis and design of clocked sequential circuits, arithmetic circuits; functions and applications of medium-scale integrated circuits.

Digital computer organisation; characteristics of mini-computers and microprocessors.

### 2.519 Numerical Techniques 1 unit

*Classes:* two lectures and one tutorial each week in Trinity term.

Finite differences. Detection of errors. Interpolation. Zeros of functions. Numerical integration. Numerical solution of differential equations. Solutions of systems of linear equations. Calculations of matrix eigenvalues.

### 2.650 Computing for Chemical Engineers 1 unit

*Classes:* 12 lectures and 15 h of computing laboratory tutorials and assignments during Michaelmas term.

Programming in FORTRAN IV. The UNIX operating system. Use of the departmental computing resources including editing programmes, service routines and plotting facilities.

## Senior and Senior Advanced courses

These courses may be taken in the third or later years of enrolment provided the prerequisite courses as prescribed in the Resolutions of the Senate have been completed.

Details of the prescribed core courses for each branch of engineering are given below. For details of the elective courses, reference should be made to the

Faculty of Engineering handbook which can be purchased from the Registrar.

ENGINEERING

## CIVIL ENGINEERING

(Refer to Table II of the Senate Resolutions.)

### 3.027 Numerical Methods 1 unit

*Classes:* two lectures and one tutorial each week in Lent term.

Solution of non-linear equations. Numerical integration. Interpolation. Numerical solution of differential equations. Solution of systems of linear equations. Calculation of matrix eigen-values.

### 3.215 Materials II 3 units

*Classes:* 54 lectures and 27 hours of tutorial and laboratory work.

#### (a) *Metallic Materials*

Elastic behaviour of metals. Theoretical strength. Practical strength and defect content. Plasticity. Brittle fracture, fatigue and creep. Structural steels. Other structural metals. Welding. Hydrogen in steel. Residual stresses. Lamella tearing. Corrosion.

#### (b) *Concrete*

Aggregates. Portland cement minerals and types. Hydration of portland cement. Admixtures. Properties of hardened concrete: strength and elasticity, creep and shrinkage, volume changes, environmental resistance. Quality control and statistics. Special concretes.

#### (c) *Organic Materials*

Structure and chemical composition of organics used in Civil Engineering. Desired properties for structural use. Epoxies, plastics and paints.

### 3.231 Structural Analysis I 3 units

*Classes:* 36 lectures and 42 hours of laboratory and tutorial classes.

The analysis of elastic redundant structures. Introduction, moment-area principles, slope-deflection, moment-distribution, virtual work to obtain equilibrium and compatibility relations, truss analysis, influence lines, continuum mechanics.

### 3.233 Structural Behaviour I 3 units

*Classes:* 36 lectures and 57 hours of laboratory and tutorial classes.

#### (a) *Steel Structures* (18)

Introduction, elastic beams, plastic beams, design of beams, compression members, lateral buckling of beams, in-plane behaviour of beam-columns, lateral buckling of beam-columns, biaxial bending of beam-columns.

#### (b) *Concrete Structures* (18)

Introduction, materials, 'elastic' analysis (stresses/deformations), ultimate strength of beams (flexure/shear/torsion), ultimate strength of columns, behaviour of reinforced concrete slabs, composite action.

### 3.241 Soil Mechanics I 3 units

*Classes:* 27 lectures and 45 hours of laboratory and tutorial classes.

Soil structure and classification. Consolidation theory. Settlement analysis. Shear strength. Stability of slopes. Earth pressure. Ultimate bearing capacity. Steady seepage.

### 3.250 Surveying I 2 units

*Classes:* 18 lectures and 54 hours of tutorial classes and fieldwork.

Introduction to the analysis of instrumental personal and environmental sources of error in measurements and to the design procedures which will reduce

or eliminate the effect of these errors. Essential geometry for measurement of horizontal and vertical angles with a theodolite. Errors of length measurement with special reference to chaining with a steel band. Errors of levelling. Design of a small topographic survey to a given precision. Sources of error in distance, in height measurements by stadia diagram and tangent tacheometry.

**3.261 Hydraulics I** **3 units**  
*Classes:* 27 lectures and 66 hours of laboratory and tutorial classes.

Equations of motion. Velocity patterns. Stability of floating vessels. Flow similitude and models. One dimensional flow principles. Flow measurements. Viscous and turbulent flow. Resistance to flow of fluids. Flow in closed conduits. Open channel flow.

**3.274 Principles of Transportation** **1 unit**  
*Classes:* two lectures each week in Trinity term and one lecture each week in Michaelmas term.

Elementary transport economics: capital and operating costs; capital recovery. Mode characteristics. Costs and benefits of road improvements. Parking. Functions of railway track components and track properties. Modern rail classification yards. Airport general layout, runway and terminal design. Design of ports and port structures in relation to ships and cargo handling. Containerisation and container facilities. Canals. Data collection and presentation for transport planning; gravity models. Environmental factors. Geometric design of roads. Road pavement design: flexible and rigid.

**3.277 Engineering Construction II** **2 units**  
*Classes:* 27 lectures and 27 hours of tutorial classes.

Synthesis of systems for the construction of building and civil engineering projects. Advanced techniques for the evaluation of productivity and cost in production systems such as for concrete and asphalt. Economic analysis in planning the execution of heavy construction projects such as tunnelling and marine projects.

**3.280 Applied Statistics** **2 units**  
*Classes:* two lectures and one tutorial each week over two terms.

Variance and covariance of functions of random variables; estimates from samples; applications of statistical methods to measurements and to materials tests.

**3.291 Structural Design II** **2 units**  
*Classes:* one lecture and 3 h of tutorials, drawing office and computer aided design each week in Michaelmas and Trinity terms.

The design of structural members of steel and reinforced concrete using conventional safety and serviceability criteria and incorporating basic concepts of elemental and overall stability. The design of practical structures in steel and reinforced concrete.

**4.217 Materials III** **2 units**  
*Classes:* 36 lectures and 18 hours of tutorial and laboratory work.

Mathematical models of engineering materials for creep and failure. Fracture mechanics and applications. Design for fatigue. Behaviour of concrete in structures: creep and shrinkage, thermal effects, interaction with masonry, reinforcement and corrosion, durability in marine and industrial conditions. Offshore structures. Structures in fire. Metals in

nuclear engineering. Specifications and codes of practice. Non-destructive testing and the analysis of structural failures.

**4.235 Structural Analysis II** **2 units**  
*Classes:* 18 lectures and 27 hours of laboratory and tutorial classes.

The matrix displacement method: statical indeterminacy, degrees of freedom, plane and space trusses, rigid-jointed frames, lack of fit, temperature effects, computer analysis and verification of output.

Strain energy methods for trusses and frames: Castigliano's theorems. Calculation of deflections and redundancies by method of virtual work: Analysis of redundant trusses and frames, arches including effect of rib shortening, rings, bow girders and grids.

**4.237 Structural Behaviour II** **2 units**  
*Classes:* 36 lectures and 36 hours of laboratory and tutorial classes.

(a) *Steel and Composite Structures*  
 Local buckling of compression flanges and webs, plastic analysis and design of frames, non-linear analysis and behaviour of frames, frame buckling, composite structures.

(b) *Concrete Structures*

**4.245 Soil Mechanics II** **2 units**  
*Classes:* 18 lectures and 54 hours of laboratory and tutorial classes.

Settlement and stability of foundations. Earth pressures. Site investigation. Field and laboratory measurements.

**4.255 Surveying II** **2 units**  
*Classes:* 18 lectures and practical work of 3 h each week in Lent and Trinity terms. A survey camp of two weeks' duration.

The course considers the basic principles underlying the design of indirect measurements in particular applications. Topics are chosen from field astronomy, electronic distance measurement, precision of fix, map projections, tacheometry, photogrammetry, construction surveying, geodesy.

**4.265 Hydraulics II** **2 units**  
*Classes:* 18 lectures and 50 hours of laboratory and tutorial classes.

Open channel flow. Pipe networks. Hydro and aerofoils, turbo-machinery. Compressible flow. Water-hammer.

**4.270 Civil Engineering Option** **4 units**  
*Classes:* approximately 120 h of lectures, tutorials and laboratory classes extending through all terms.

Students may choose to study one of a number of options each of which will include a group of related courses such as:

- (a) structural mechanics and structural engineering;
- (b) applied fluid mechanics, environmental engineering;
- (c) analytical techniques in construction, contract and construction procedure and construction methods;
- (d) geotechnical engineering, mining engineering.

The number of available options and the composition of each may vary from year to year.

#### **4.278 Organisation and Management of Construction** **2 units**

*Classes:* 27 lectures and 27 hours of tutorial classes.

Introduction to organisation and management of projects. Economic analysis of projects, comparison and costing of alternatives, valuation, depreciation and risk analysis. Work study and related techniques. Pre-tender planning; preparation of bids in competitive tendering. Post-tender planning; critical path method; resource allocation, cost control using the network. Introduction to operational research.

#### **4.293 Civil Engineering Design** **4 units**

*Classes:* 27 lectures and 81 hours of drawing office work.

The design cycle of problem definition, value and criteria, selection, generation of proposals, analysis of proposals, selection of design, development of details of a particular design selected. Feasibility studies and a design project will be carried out.

#### **4.295 Thesis** **2 units**

A study in groups of two or three candidates of a selected topic in Civil Engineering and the submission of a written thesis for assessment by the supervisor.

### **MINING ENGINEERING**

(Refer to Table III of the Senate Resolutions.)

#### **3.060 Mining Geology I** **2 units**

*Classes:* approximately 54 hours of lectures and laboratory work. A course provided by the Department of Geology and Geophysics.

Physical conditions of rock deformation; description, classification and origin of structures of deformed rocks; derivation of structural chronology in metamorphosed orogenic belts; map construction and interpretation; structural sections, block diagrams and projections; geological maps and aerial photographs.

#### **3.241 Soil Mechanics I** **3 units**

For details see under Civil Engineering.

#### **3.250 Surveying I** **2 units**

For details see under Civil Engineering.

#### **3.261 Hydraulics I** **3 units**

For details see under Civil Engineering.

#### **3.280 Applied Statistics** **2 units**

For details see under Civil Engineering.

#### **3.300 Mining Engineering I** **2 units**

*Classes:* three lectures each week in Lent and Trinity terms. One day inspection of an operating mine.

Historical and economic introduction. Types of mineral deposits, distribution and availability. Prospecting and exploration. Basic mining cycle. Development for underground and surface mining. Production drilling, explosives and blasting techniques. Underground metalliferous and coal mining methods. Surface mining, alluvial, quarry, strip and open cut. Non-entry mining methods.

#### **3.303 Mining and Mineral Economics I** **1 unit**

*Classes:* one lecture each week throughout the year.

The industry framework for the practising engineer in the mining and minerals industry. The mining and minerals industry in Australia and its operation in the world scene. The relationship between mining and industrial mineral and metal production. Environ-

mental issues. Australian mineral policy. Australian energy resources.

#### **3.304 Mining Engineering II** **3 units**

*Classes:* three lectures each week and one 2 h laboratory on alternate weeks in Trinity and Michaelmas terms. Field trip to underground mines and open cut working during May vacation.

Mechanics of rock penetration. Components of a drilling system. Percussive, rotary, diamond, thermal, fluid and sonic drilling. Exploratory and production drilling techniques. Full face boring machines and their applications to tunnelling and shaft sinking.

Theories of rock failure. Classification of explosives and their application. Mechanics of rock breakage. Blasting patterns, charge calculations. Special blasting techniques including smooth blasting, pre-splitting, profiling, trenching and demolition. Ground vibrations.

Transportation of ore, waste, supplies and men. Mechanics of hoisting, winding cycle diagrams, calculations. Surface and underground haulage systems. Belt conveyors, track and trackless systems, hydraulic and pneumatic methods.

#### **3.509 Electrical Power and Machinery** **1 unit**

*Classes:* lectures—two each week in Lent term. Tutorials—1 h each week in Lent term.

Phasors, three phase, ac circuits, reactive power, thyristors, transformers, ac and dc motors, fault calculation, thermal ratings, tariffs, electrical safety.

#### **3.690 Particle and Fluid Systems** **3 units**

*Classes:* lectures—2 h a week in Lent term and 1 h a week in Trinity and Michaelmas terms. Tutorials—1 h a week, laboratory—seven sessions as arranged in Trinity and Michaelmas terms.

Introduction to particulate systems, particle size and shape parameters, size distributions, statistical properties and test sieve analysis.

Screening, particle-screen mechanics, efficiency of screening.

Size reduction, energy requirements, classical laws, product size distribution.

Leaching, ternary systems, batch, multiple and counter-current contracting, ideal stage, rate of approach to equilibrium.

Crystallisation, Miers diagram, nucleation, crystal product size distribution.

Motion of a particle in a fluid, terminal velocity, hindered settling. Phase separations, classification, elutriation, thickening, gas and liquid cyclone, centrifuging.

Methods of sub-sieve sizing including sedimentation, photoextinction, direct counting and gas adsorption methods.

Motion of fluids in particle beds, two phase flow in packings, filtration, batch and rotary filters, fluidisation concept.

#### **4.067 Mining Geology 2** **2 units**

*Classes:* about 54 hours of lectures and laboratory work. A course provided by the Department of Geology and Geophysics.

Physical and chemical constitution of coal; type and rank variation; nature and environments of formation of coal seams; origin, migration and accumulation of petroleum; exploration methods.

#### **4.070 Mining Geology 3** **2 units**

*Classes:* about 54 hours of lectures and laboratory

work. A course provided by the Department of Geology and Geophysics.

Introduction to the geology of metalliferous and non-metalliferous deposits; theory of reflected-light optics; study of opaque minerals in hand specimen and under the microscope.

#### **4.080 Mining Geology 4 2 units**

*Classes:* about 54 hours of lectures and laboratory work. A course provided by the Department of Geology and Geophysics.

Principles and practice of electrical, electromagnetic, induced polarisation, magnetic, gravity, radiometric and borehole methods, applied to exploration and delineation of ore bodies.

#### **4.256 Mine Surveying 3 units**

*Classes:* 27 lectures, 54 hours of field work and a survey camp of one week's duration.

The basic principles underlying the design of indirect measurements in particular applications. Topics covered will be chosen from field astronomy, electronic distance measurement, resection, geodesy, underground surveys.

#### **4.302 Mining Engineering Practice 6 units**

*Classes:* 5 h each week throughout the year. Laboratory session held on alternate weeks throughout the year. Field trip to underground mines and opencut workings in May vacation.

Stress and failure in rock about excavations. Rockbursts and gas outbursts. Design of mine openings. Mine ventilation. Compressed air and electric power in mines. Pumping and drainage. Ore flow from slopes and bins. Winding and transportation. Dust and gas. Mine safety, rescue and recovery. Sampling, ore reserves, mine evaluation. Mine management, mining law, mine finance. Environmental pollution and land reclamation. Students, in syndicates, will be involved in two major design projects.

#### **4.305 Thesis 3 units**

*Classes:* no formal tuition. Periods will be set aside each week to provide time for the student to consult library references and prepare notes. The thesis supervisor will be available for discussion at agreed times, but students are expected to work on their own initiative.

The subject matter for the thesis is primarily the responsibility of the student. It can be any topic or range of ideas of current interest to metal mining, coal mining, mineral dressing or coal preparation.

#### **4.307 Mining and Mineral Economics II 2 units**

*Classes:* two lectures each week in Lent and Trinity terms. A 2 h tutorial each week in Michaelmas term.

Introduction to mineral economics, economic evaluation techniques including cash flow, payback period, time value, discounted cash flow methods, taxation and its effects, equipment replacement alternatives. The evaluation of the economics of mine and processing developments in the minerals industry. The effect of inflation and other uncertainties in the optimisation of development schemes. Decision-making theory applied to the mining industry. Feasibility studies of recent and prospective operations.

#### **4.629 Mineral Processing (mineral dressing) 2 units**

*Classes:* one lecture and equivalent of a 1 h tutorial/laboratory period each week throughout the year. Field trips as arranged.

Mineralogy and its relationship to mineral

beneficiation, liberation. Mineral processing unit operations, principles—comminution, concentration, heavy media separation, jigging, magnetic separation, electrodynamic and electrostatic separation, tabling and film concentrators. Flotation—surface chemistry. Collector, modifier action. Electrokinetic phenomena. Oxide and sulphide ore flotation. Depressants and selective flotation. Flotation kinetics. Ore sorting.

## **MECHANICAL ENGINEERING**

(Refer to Table IV of the Senate Resolutions.)

#### **3.032 Statistics 1 unit**

*Classes:* two lectures and one tutorial each week in Trinity term.

*Syllabus summary:* Statistical methods and theory. Data representation. Correlation and regression. Probability. Random variables, probability distributions, expectation. The normal distribution. Statistical inference, estimation, significance tests.

#### **3.423 Thermo-fluid Engineering 5 units**

*Classes:* Two lectures each week in Lent and Trinity terms, three lectures each week in Michaelmas term plus laboratory and tutorial classes.

Thermodynamics: First and Second Law, analysis of control mass and control volume systems, properties, availability; analysis of component processes; gas mixtures including psychometry; combustion, fuel cells; power and refrigeration cycles; applications to engines.

Fluid mechanics: fluid properties, fluid statics; Bernoulli equation and the momentum principle; laminar and turbulent flow; similarity and dimensional methods; Navier-Stokes equations and boundary layer theory; potential flow. Shock waves, compressible flow in nozzles, around corners, and in ducts with friction and heat addition. Fluid machines. Computer methods in fluid mechanics.

Heat transfer by conduction. The energy equation. Similitude elements of convective heat transfer. Reynolds analogy and empirical relations.

#### **3.435 Mechanics and Properties of Solids 4 units**

*Classes:* two lectures each week throughout the year and associated tutorials and laboratory classes.

Concepts: Stress and strain, linear elasticity. Thermal strains. Plastic deformation. Examples in axisymmetric systems: Thin shells. Thick walled cylinders, interference fits, auto-fretage. Rotating discs. Circular plates. Introduction to structural analysis and energy methods. The nature of metals, ceramics, glasses, polymers and composite materials. The failure of materials by fracture, fatigue, creep corrosion and oxidation.

#### **3.442 Mechanical Design IIA 4 units**

*Classes:* lectures—one each week throughout the year. Drawing office work—3 h per week throughout Lent and Trinity terms.

Welded joints, screws and pre-loaded bolted joints, shaft design and coupling for torque transmission. Belt and chain drives, rolling bearings, conveyors, springs, brakes and clutches and hydrodynamic bearings. Spur gears, tolerances and fits and finally: principles and methods of design.

Overview of computer graphic methods used in engineering designing and drafting packages, and a basic capability in the use of a modern turn-key system. The major methods used to model mechanical com-

ponents will be examined, leading to the wireframe technique employed by the CAD equipment installed in the Mechanical Engineering Department of the University of Sydney. The course will cover sufficient commands to permit the generation of basic engineering designs. Tool path generation and finite elements analysis will be considered as well as a number of alternative programming languages, which can be used to generate family of parts, and for design analysis.

#### **3.444 Mechanical Systems 4 units**

*Classes:* four lectures each week in Lent term and two lectures each week in Trinity and Michaelmas terms, with associated tutorials and laboratory classes.

Pole polodes, inflexion circle; Kennedy's theorem of three poles with mention only of its spatial analogue; relative velocity, velocity difference, and velocity polygons for plane and spatial mechanism; inversion; distortion; expansion; kinematic chains, kinds of joints, Kutzbach criterion and its application in machine designs; geometrical specialities and flexible links, geometric design; input-output relations in a linkage, Freudenstein's equation, precision point synthesis, function generation; the planar guidance problem for three finitely separate positions; dead-point construction; spur gear geometry, contact ratio, interference.

Equations of motion for single-degree-of-freedom systems; vibration isolation and measurement; frequency response. Solution by Laplace transforms; transfer functions; Fourier series and transforms. Nonlinear damping. Multi-degree-of-freedom systems; matrix formulation; influence coefficients; transfer matrices; model analysis. Continuous systems. Rayleigh's method. Modelling and block diagrams. Performance and stability criteria. Linear system design via frequency response, root locus and computers.

#### **3.466 Manufacturing Engineering and Management 4 units**

*Classes:* One lecture per week in Lent term, two per week in Trinity term and four per week in Michaelmas term plus an average of 1½ hours per week in Lent term and 2½ hours per week in Trinity and Michaelmas terms for tutorials, laboratories and works visits.

Manufacturing processes: several manufacturing processes will be considered from the points of view of fundamentals of the process, limitations on the production rates and runs and product quality, general purpose and specialised machinery, automation, numerical control and computer-aided manufacture. Processes considered include machinery, casting, powder metallurgy, metal working, welding, cutting, polymer processing, bending and composite manufacture.

Manufacturing systems: economics of automation, flexible manufacturing, Just in Time, group technology, materials requirements planning, quality control, introduction of new technology, human factors, plant layout.

Industrial hazards: (i) Recognition of hazards presented by chemical and physical agents: nature, mode of entry and effects of toxic substances; adverse effects of noise, work physiology and thermal stress. (ii) Evaluation of hazards: survey design, hygienic standards and interpretation of results. (iii) Principles of hazards control: industrial ventilation, personal protective equipment, safety organisation and the prevention of industrial accidents, stress in the workplace.

Industrial organisation: Characteristics of the small business and discussion of its problems. Economic aspects of production and marketing. Some basic economic concepts—markets and market price, production theory, cost theory. Break-even analysis. Industrial development. Basic industrial and commercial structures and their formation, industrial buildings.

Industrial finance: basic elements of the supply, recording and control of business finance, financial statements; budgeting; taxation; investment analysis; sources of finance.

#### **3.906 Electrical Technology 2 units**

*Classes:* two lectures each week in Lent term and two lecture/demonstrations each week in Trinity term, with associated tutorials and laboratory classes.

Phasors, three phase ac circuits, reactive power, thyristors, transformers, ac and dc motors, fault calculation, thermal ratings, tariffs, electrical safety.

Analogue circuits; frequency response, feedback, operational amplifiers, filters, applications of op-amps. Digital electronics; gates, flip-flops, counters, registers, and microprocessors. A/D and D/A converters.

#### **4.485 Mechanical Engineering Thesis 6 units**

In the Senior Advanced year of the course each candidate works towards and writes an undergraduate thesis.

Towards the end of each academic year a list of suggested topics and supervisors for thesis work is published for the information of current Senior year students. Prospective Senior Advanced year students are then required to indicate their first, second, and third choices of topics after consultation with some or all of the prospective supervisors. Before the beginning of the next academic year, on the basis of Senior year results and other considerations, a topic and supervisor is advised to new Senior Advanced year students and work on their theses may begin.

In the normal course of events some or all of the theoretical, developmental, and experimental aspects of research or design work are expected in a thesis. These aspects may be either directed by the supervisor or of a partly original nature, but in any event students are directly responsible to their supervisors for the execution of their practical work and the general layout of the thesis itself.

These theses should be typewritten—with text, diagrams, graphs, photographs etc., properly displayed—and not less than one copy should be submitted, permanently bound between hard covers for the library, on or before the due date.

It is customary in most investigational work for workers to develop a set of index cards to keep track of their references.

These writers may be called upon at the year's end to show some evidence of their activities in this respect.

#### **4.488 Professional Communications 1 unit**

*Classes:* some instructional sessions will be arranged to provide basic techniques for preparation and presentation of the two forms of communication described below.

(a) *Professional Reporting:* A major detailed report is written on the period of industrial experience required under Resolution 8(a)(iv), and submitted early in Lent term. The report is assessed on content and presentation in accordance with details distributed in course 3.461 during the previous Michaelmas term.

(b) *Seminar Presentation*: During the latter part of the year one or two whole days are set aside for the presentation of student-seminars at a public conference. Each final-year student, usually in consultation with his or her thesis supervisor, prepares an abstract of the seminar for distribution one week in advance of the conference. Although it is not obligatory, the subject for the seminar is normally closely related to the student's thesis work, thus it tends to deal in depth with some relatively narrow technical field. At the conference (where the audience comprises senior, senior advanced and postgraduate students, departmental staff and visitors) oral presentation of the thesis is followed by critical discussion under formal chairmanship.

### Elective courses

Students also take 14 units of elective courses chosen from one of the following specialised areas.

- (i) Thermal engineering
- (ii) Fluids engineering
- (iii) Transportation engineering
- (iv) Materials engineering
- (v) Introduction to continuum mechanics
- (vi) Machinery engineering
- (vii) Industrial engineering
- (viii) Environmental engineering
- (ix) Advanced design

Details of these courses are given in the *Engineering Handbook*.

## ELECTRICAL ENGINEERING

(Refer to Table V of the Senate Resolutions.)

### 3.517 Electrical Engineering Physics 2 units

*Classes*: 36 lectures and 18 hours of tutorial classes.

Revision of the PN junction with respect to energy band diagrams, and the derivation of the diode equation. Schottky junctions, tunnelling, breakdown and optimal effects. The bipolar junction transistor as a charge controlled device. Derivation of the Ebers-Moll equations. The field-effect transistor; saturation and resistive region properties, short channel effects.

Kinetic theory of gases. Free paths of molecules and electrons; collision processes; ionisation potentials, charge transfer, recombination. Mobility, diffusion and conduction. Plasma properties; Debye length; ionisation and breakdown; glow and arc discharges.

### 3.518 Digital Systems I 2 units

*Classes*: 27 lectures and 27 hours of laboratory and tutorial classes.

Analysis and design of clocked sequential circuits; arithmetic circuits; functions and applications of medium-scale integrated circuits.

Digital computer organisation; characteristics of minicomputers and microprocessors.

Assembly language programming for a microprocessor. Introduction to techniques for the development of microprocessor based systems.

### 3.522 Fields and Waves 2 units

*Classes*: three lectures and a 3 h tutorial each week in Lent term.

Revision of electric and magnetic fields, Maxwell's equations. Boundary conditions, wave equation, plane waves in dielectric and conducting media. Reflection and transmission at boundaries.

Transmission lines, reflection from terminations, Smith chart, impedance matching.

Rectangular waveguides, dielectric waveguides, cavity resonators.

Introduction to antenna theory.

### 3.525 Control I 2 units

*Classes*: three lectures and a 3 h laboratory or tutorial session each week in Michaelmas term.

Differential equations of physical systems. Block diagram models. Linear models. The Laplace transform and transfer functions.

Open and closed loop single-input, single-output systems. Sensitivity to parameter variations. Steady state errors. Time domain specifications. Impulse and step responses. Time-frequency relationships. Methods of stability analysis: Routh Hurwitz, root locus, Nyquist etc.

Design and compensation of feedback systems. PID control. Phase lead and lag networks.

Introduction to multi-input, multi-output systems. Introduction to non-linear systems.

### 3.526 Circuits and Signals I 4 units

*Classes*: two lectures and a 2 h tutorial session each week throughout the year.

Analysis of linear, constant-parameter, lumped networks. Complex frequency, representations, transients, stability, forced response.

Models for inductively-coupled circuits, analysis techniques.

Network functions. Two-ports. Three-terminal networks. Combinations of networks.

Laplace transform models incorporating initial-value sources. Solution techniques. Relation to steady-state and transient responses.

Fourier transforms in network analysis.

Transients in distribution circuits.

Signal analysis: classification of signals; periodic, aperiodic; continuous, discrete; deterministic, random; expansion in orthogonal functions, Walsh, Fourier auto-correlation; energy and power spectra; Fourier spectra; relationships between frequency and time domains; sampling; the discrete Fourier transform; the z-transform; applications to signal processing.

### 3.551 Power and Energy Conversion I 5 units

*Classes*: Two lectures per week and one 3 hour laboratory or tutorial session each week throughout the year.

AC circuit theory, magnetic circuit calculations; transformers, induction and synchronous machines. DC machines; power electronics—power semiconductor devices, ac phase control, thyristor converter, chopper, inverter; principles of dc and ac motor speed control. Machine rating; fuses, circuit breakers; principles of industrial distribution— layout, protection, fault calculations, earthing, harmonics, flicker, reactive power compensation.

### 3.552 Electronics I 5 units

*Classes*: Two lectures per week plus 27 hours of tutorial/laboratory in Lent term. Three lectures per week plus 18 hours of tutorial/laboratory in Trinity term. Two lectures per week plus 27 hours of tutorial/laboratory in Michaelmas term.

Operational amplifiers and their applications. Multi-device circuits: diodes, BJTs and FETs. Frequency response of amplifiers. Feedback. Frequency selective amplifiers. Oscillators. Modelling, simulation, design, layout and fabrication of solid state devices: diodes, BJTs and FETs.

**3.553 Communications I 2 units**

*Classes:* Three lectures and three hours of tutorial/laboratory each week throughout Michaelmas term.

Electronic communication systems—elements of an ideal simple system. Signal transmission. Digital communications systems. Amplitude modulation and demodulation. Angle modulation. Introductions to noise, sources and transducers, propagation.

**4.521 Power and Energy Conversion II 2 units**

*Classes:* lectures—two each week in Lent and Michaelmas terms. Tutorials—1 h each week in Lent and Michaelmas terms.

Power system analysis—transmission lines, load flow, fault currents, protection, stability; power systems operation—voltage and frequency control.

Energy conversion principles, energy resources, power generation.

**4.523 Electronics II 2 units**

*Classes:* two lectures and a 1 h tutorial session each week in Lent and Trinity terms.

Practical components, discrete and integrated. Analysis of one-transistor configurations. Cascade and current source configurations, band gap references. Non-linear configurations, multipliers. Analysis and uses of mixers. Cross- and inter-modulation distortion. Discriminators. Analysis and design of phase locked loops, high frequency amplifiers, lumped and distributed transistor matching and biasing. Sample and hold circuits, sampling gates. Practical operational amplifiers. Digital-to-analog and Analog-to-digital converters. Shunt regulators and switching power supplies. Semiconductor noise and noise figures. Recognition and integration of blocks in complete systems.

**4.524 Communications II 2 units**

*Classes:* two lectures and a 2 h tutorial session each week in Trinity term with a 2 h lecture/tutorial session each week in Michaelmas term.

Analog and digital modulation, information theory, noise, coding, optimal systems, antennas and propagation, communication systems including microwaves.

**4.525 Control II 2 units**

*Classes:* two lectures and a 1 h tutorial session each week in Lent and Trinity terms.

State variable model of linear time-invariant systems. Transient behaviour. Characteristic equation. Eigen-values. Fundamental matrix and state transition equation. Canonical forms: Jordan, real canonical, companion matrix. Controllability. Observability.

Non-linear systems. Limit cycle oscillations. Describing functions. Phase-plane analysis. Singular points. Equilibrium points. Bang-bang control. Velocity feedback. Optimal switching. Liapunov stability. La Salle's theorem. Cetaev's theorem. Tests for stability of sampled data systems. Non-stationary and stationary stochastic signals in control systems.

**4.526 Circuits and Signals II 2 units**

*Classes:* two lectures and a 2 h tutorial session each week in Lent term with a 2 h lecture/tutorial session each week in Trinity term.

Multiport networks: network functions and polynomials. Topology: topological formulae, scattering parameters. Gytrators. Two-port structures. Bartlett's bisection theorem. Amplitude, phase, phase delay, group delay. Insertion and operating loss. Matching.

Filters. Equalisers. Impedance converters, inverters. Nullator, norator, nullor. Hurwitz polynomials. Realisation of reactance functions. LC filter design. Active RC filters and gyrator-C filters. Approximation for ideal and non-ideal specifications. Butterworth, Chebyshev, Bessel, elliptical-function (Caver) approximation. Overviews: network synthesis, switched-capacitor filters, digital filters.

**4.534 Digital Systems II 2 units**

*Classes:* lectures—Two each week in Lent and Trinity terms. Tutorials—1 h per week in Lent and Trinity terms.

Design of digital systems for high speed arithmetic operations in fixed-point and floating-point formats; use of hardware description languages and logic simulation techniques.

Flow of information and control in basic micro-computer structures; bus interconnections; logic signal characteristics; signal transmission techniques; parallel interfacing, serial interfacing.

**4.536 Laboratory 5 units**

*Classes:* 9 h each week for 16 weeks during Lent and Trinity terms.

A general advanced laboratory course in which students complete a prescribed number of experiments in each of Power, Control, Electronics, Communications and Digital Systems.

**4.537 Electrical Engineering Practice 2 units**

*Classes:* 36 lectures and 18 hours of tutorial classes covering practical topics of current interest in professional electrical engineering. The syllabus may vary from year to year but will include topics such as overall design of equipment and systems, production techniques, the management of an engineering project, and technical writing.

**4.540 Thesis 5 units**

*Classes:* approximately one half day per week in Trinity term and two days per week in Michaelmas term.

Students undertake formal library research and laboratory work. The library research is directed towards the preparation of a critical review on an approved topic while the laboratory work will require participation in an extended experimental investigation, on a topic of current interest to the school.

**CHEMICAL ENGINEERING**

(Refer to Table VI of the Senate Resolutions.)

**3.028 Numerical Methods and Applications 2 units**

*Classes:* 27 h in each of Lent and Trinity terms, about equally divided between lectures and practice classes.

The course content includes all the topics in 3.027 Numerical Methods (see under Civil Engineering) expanded to cover specific applications to engineering problems, use of FORTRAN and the university computer system.

**3.601 Unit Operations I 6 units**

*Classes:* three lectures and 3 h of tutorials each week throughout the year.

**Mass Transfer**

Introduction to two-phase mass transfer processes. Equilibrium-controlled processes and stage-wise contacting equipment, binary distillation. Rate controlled processes and continuous contracting equipment. Application of equilibrium and rate-controlled calculation techniques to, and selection of equipment

for: gas absorption, liquid-liquid extraction, and drying. Economic considerations. Dry theory and equipment design.

### *Heat Transfer*

Steady-state conduction in various co-ordinate systems. Convection-thermal boundary layer. Relation between fluid friction and heat transfer. Turbulent and laminar flow heat transfer. Empirical and practical relations for forced convection heat transfer-flow across tube banks, cylinders and spheres. Design of heat transfer equipment, including exchangers, condensers, boilers, evaporators. Optimal heat exchanger network synthesis. Condensation and boiling heat transfer-film and dropwise condensation. Nusselt's equation. Pool boiling—nucleate and film boiling. Application to design and selection of shell and tube heat exchangers, condensers, evaporators and reboilers.

Radiation-properties, black and non-black body radiation. Shape factors, gas radiation. Radiation heat transfer coefficient. Real surface behaviour.

### *Particle Mechanics*

Introduction to particulate systems, particle size and shape parameters, size distributions and statistical properties, test sieve analysis. Screening, particle-screen mechanics, efficiency of screening. Size reduction, energy requirements, classical laws, product size distribution. Leaching, ternary systems, batch, multiple and counter-current contacting, ideal stage, rate of approach of equilibrium. Crystallisation, Miers diagram, nucleation, crystal product size distribution. Motion of a particle in a fluid, terminal velocity, hindered settling. Phase separations, classification, elutriation, thickening, gas and liquid cyclones, centrifuging. Methods of sub-sieve sizing including sedimentation, photo-extinction, direct counting and gas adsorption methods. Motion of fluids in particle beds, two phase flow in packings, filtration, batch and rotary filters, fluidisation concept.

### *Fluid Mechanics*

Pumps: theory of centrifugal pumps from momentum equation; head-capacity characteristics; stability; dimensional arguments for general pump characteristics. Compressible flow; solution of flow equations for flow in pipes using isothermal and adiabatic flow assumptions. Choking in compressible flow. Two phase flow: two phase flow regimes; models of two phase flow. Boundary layer theory.

### **3.608 Statistical Methods**

**2 units**

*Classes:* one lecture and one 1 h tutorial each week throughout the year.

Probability, random variables; distributions and functions. Statistical inference; hypothesis tests; estimation theory. Simple and multiple linear regression. Analysis of variance. Factorial experiments and experimental design. Control charts; sampling and specifications; sequential testing. Applications to the chemical process industries.

### **3.602 Thermodynamics and Kinetics**

**4 units**

*Classes:* three lectures each week throughout the year, and one 1 h tutorial each week throughout the year.

First and Second Law applications; energy equations for steady flow and transients in process systems; thermochemistry; compressible flow; heat engines; liquefaction processes; availability; isentropic and polytropic efficiencies for compression and turbines.

P-V-T relationships for real gases and gas mixtures; relationships between thermodynamic properties; determination of thermodynamic properties—charts, tables and computer programs.

Gibbs free energy as a criterion for equilibrium; partial molal quantities; chemical potential, fugacity, activity. Phase equilibrium, multicomponent equilibria.

Chemical equilibrium; estimation of equilibrium constants; equilibrium in multi-reaction systems.

Reaction kinetics. Homogeneous reactions: rate expressions and mechanism, interpretation of rate data, ideal continuous flow reactors. Heterogeneous reactions: the role of mass transfer, rate-controlling steps, simple examples.

### **3.613 Corrosion Principles**

**1 unit**

*Classes:* one lecture each week throughout the year.

The major forms of corrosion and the mechanisms by which they occur. Aqueous corrosion. Chemical and electrochemical thermodynamics of corrosion, stability diagrams. Electrode kinetics. Polarisation. Application to corrosion kinetics. Passivation. Corrosion types protection and case studies. High temperature corrosion and oxidation.

### **3.615 Project Engineering I**

**3 units**

*Classes:* two lectures each week throughout the year and one tutorial each week in Trinity term.

Project evaluation—cash flows, time value of money, discounted cash flow of return, economic criteria, PV profiles, depreciation and taxation, capital and operating costs.

Processes—process alternatives, equilibrium concepts and materials balances for single and multiple reactions, influence of thermodynamic and kinetic data on reaction selection and flow sheet design.

Detailed flowsheeting considering economic and technical aspects for several processes, e.g. sulphuric acid manufacture, Oxo process, alumina production, vinyl chloride etc.

### **3.616 Chemical Engineering Laboratory**

**5 units**

*Classes:* laboratory—7 h each fortnight throughout the year.

This laboratory course complements the course 3.601 on the principles of mass transfer, heat transfer and particle mechanics. Students are required to undertake 12 laboratory experiments during the year.

Each student undertakes a laboratory class every two weeks. As part of the preparation for an experiment, the student will be expected specifically to:

- familiarise himself or herself with the background theory
- understand the operation of the experimental apparatus
- defuse the experimental aim, range of measurements to be made, and how these will be processed.

Considerable importance is attached to the analysis and interpretation of the experimental data and to the writing of a clear, logical and concise technical report. Each student will write six reports.

### **3.621 System Dynamics and Real-Time Computing**

**1 unit**

*Classes:* 27 hours of lectures and tutorials spread over Trinity and Michaelmas terms.

Development of dynamic models. Analytical solution of differential equations. Numerical solution of differential equations using computer packages. Introduction to real-time computing.



**4.624 Unit Operations II****3 units**

*Classes:* two lectures and a 1 h tutorial each week throughout the year.

Mass transfer: multicomponent distillation and gas absorption, extractive and azeotropic distillation: hand and computer stagewise calculations. Prediction of plate efficiency in stagewise contacting equipment. Characteristics and design of plate columns. The less common separation operations.

Particle mechanics: fluidisation, two phase theory, mechanism of bubble formation. Influence of bubbles on fluid bed kinetics and transfer processes. Solids handling, bulk properties of granular materials, measurement of properties, application of current theories and techniques in bunkers and other solids handling techniques.

Water cooling: history of water cooling, equilibrium diagrams, combined heat and mass transfer processes, height of cooling tower, thermal pollution. Types of cooling tower.

**4.625 Reactor Design****2 units**

*Classes:* one lecture and a 1 h tutorial each week throughout the year.

Tubular reactors and stirred-tank reactors; isothermal and non-isothermal behaviour with simple and complex homogeneous reactions. Non-ideal flow: residence-time theory, micromixing. Reactor stability and optimal performance.

Heterogeneous systems: gas-solid reactions, gas-liquid reactions, catalytic reactions. Experimental methods for determining rate expressions and mechanisms. Product distributions in multiple reaction systems. Detailed analysis of important industrial applications of catalysis.

**4.632 Process Control****3 units**

*Classes:* two lectures each week throughout the year. 27 h of tutorial and laboratory work.

Transfer functions. Linear superposition. Frequency response analysis. Distributed parameter systems. Feedback and feedforward control. Controller characteristics and tuning. Stability analysis of feedback loops. Cascade control. Industrial measuring instruments and control hardware. Control valve characteristics and sizing. Multi-variable control. Real-time computing. Batch control. Programmable logic controllers. Instrumentation and control scheme implementation for industrial processes.

**4.635 Thesis****5 units**

*Classes:* no formal classes. The thesis supervisor will be available for discussion at agreed times but the students are expected to work on their own initiative.

Students are required to write a thesis, based on a modest, but significant, research project, very often some aspect of a staff member's research interests. Most projects will be experimental in nature but some may be largely theoretical or mathematical. Other topics may involve computer programming, feasibility studies, or the design, construction, and testing of equipment.

Students are expected to examine published and experimental data, set objectives, organise a programme of work, and analyse results and evaluate these in relation to existing knowledge. The thesis will be judged on the extent and quality of the student's original work, and particularly how critical, perceptive, and constructive he or she has been, in assessing his or her own work and that of others.

**4.640 Project Engineering II****2 units**

*Classes:* approximately 2 h a week throughout the year; lectures, seminars and discussions.

Philosophy of design. Computer-aided design for process flowsheets. Project costing and evaluation (cost estimation, profitability analysis, cost-benefit analysis). Project planning, organisation and control, including critical path scheduling methods. Design of pressure vessels and tanks. Hazards and operability analysis. Risk assessment and consequence analysis.

In addition there are to be a number of specific lectures on detail design matters relevant to the project selected for course 4.641 Chemical Engineering Design.

**4.641 Chemical Engineering Design****3 units**

*Classes:* approximately 9 h a week in Michaelmas term: informal classes, design and library work.

The preparation of a detailed design project: flowsheet selection, heat and mass balances, detailed equipment design and costing, hazard assessment and hazop, environmental impact, and project financial analysis.

**AERONAUTICAL ENGINEERING**

(Refer to Table VII of the Senate Resolutions.)

**3.420 Thermodynamics****2 units**

*Classes:* one lecture each week in Lent and Trinity terms together with associated tutorials and laboratory classes.

Thermodynamics: First and Second Law, analysis of control mass and control volume systems, properties, availability; analysis of component processes; gas mixtures including psychrometry; combustion, fuel cells; power and refrigeration cycles; applications to engines.

**3.434 Mechanical Properties of Materials****2 units**

*Classes:* one lecture each week in Trinity term, two lectures each week in Michaelmas term and associated tutorials and laboratory classes.

The nature of metals, ceramics, glasses, polymers and composite materials. The failure of materials by fracture, fatigue, creep corrosion and oxidation.

**3.441 Engineering Dynamics and Control****3 units**

*Classes:* two lectures each week throughout the year with associated tutorials and laboratory classes.

Equations of motion for single-degree-of-freedom systems; vibration isolation and measurement; frequency response. Solution by Laplace transforms; transfer functions; Fourier series and transforms. Nonlinear damping. Multi-degree-of-freedom systems; matrix formulation; influence coefficients; transfer matrices; model analysis. Continuous systems. Rayleigh's method. Modelling and block diagrams. Performance and stability, criteria. Linear system design via frequency response, root-locus and computers.

**3.483 Production Engineering****2 units**

*Classes:* One lecture per week in Trinity term and two lectures per week in Michaelmas term plus an average of 1½ hours per week in these terms for tutorials, laboratories and work visits.

As for production processes and production systems sections of 3.466 Industrial Engineering and Management.

**3.723 Aerodynamics I****5 units***Classes:* Five lectures each week throughout the year.

Occurrence of fluid and gas motion in the environment and in technology. Fluid properties and definition. Fluid statics. Fluid flow measurement. Dimensional analysis and similarity; Reynolds and Mach numbers; momentum principle; Euler and Bernoulli equations; rates of change of fluid properties; stream function; circulation, vorticity, irrotational flow, velocity potential; vortex theorems, Biot-Savart law, Kutta-Joukowski law; complex variable methods, complex potential, conformal transformations, Joukowski transformation, Navier-Stokes equations. Thin Aerofoil theory.

Properties of air and the atmosphere, introduction to the aerodynamics of the complete aeroplane, introductory aerodynamic flows, viscous effects and boundary layer theory, elementary aircraft performance, static stability and control of rigid aircraft.

Basic gas dynamics; steady one-dimensional flow with and without friction and heat transfer, normal shock waves.

**3.732 Aircraft Structures I****4 units***Classes:* three lectures a week throughout the year, with associated tutorial work.

The solid mechanics part of the course 3.435, viz.: concepts: stress and strain, linear elasticity. Thermal strains. Plastic deformation. Examples in axisymmetric systems: Thin shells. Thick walled cylinders, interference fits, auto-fretting. Rotating discs. Circular plates. Introduction to energy methods and computer methods for stress analysis.

Structural analysis: concepts of equilibrium and compatibility; application to frame structures; bending and torsion of stiffened thin-walled structures; vibrations; elastic stability.

Joining and fastening; detailed stressing; codes of practice.

**3.771 Aircraft Design I****3 units***Classes:* one lecture each week throughout the year with associated tutorial and design work and practical work in the workshop.

The application of aerodynamics and structural theory to practical problems in aeroplane design.

**3.983 Laboratory I****3 units***Classes:* 20 3 h laboratory sessions.**4.714 Propulsion****2 units***Classes:* 27 lectures with associated tutorial and project work.

Propulsion unit requirements for subsonic and supersonic flight; thrust components, efficiencies, additive drag of intakes; thermodynamics of turbojet and turbofan engines; intakes and jet nozzles; piston and other types of engine; performance of propulsion units; component design and performance; noise and pollution.

**4.726 Aerodynamics II****4 units***Classes:* approximately 50 lectures with associated tutorial and laboratory work.

Bound and free vortex sheets; two-dimensional aerofoil theory; lifting line theory, compressibility corrections; effect of sweep back. Two-dimensional supersonic aerofoils; introduction to three-dimensional effects. Theory of wind tunnel corrections. Airscrew theory. Introduction to boundary layer and heat transfer theory; calculation of skin friction drag of aerofoils.

Steady two-dimensional supersonic flow; shock waves, method of characteristics. Three-dimensional and viscous effects. Unsteady one-dimensional flow. Hypersonic flow. Real gas effects. Rarefied gas flow.

**4.737 Aircraft Structures II****4 units***Classes:* three lectures and one tutorial per week for Lent and Trinity terms, together with practical sessions as designated.

Plates and shells. Optimum structures. Buckling of bars, plates and shells; imperfection sensitivity. Structural dynamics. Structural fatigue; principles and practice. Finite element analysis; static and dynamic, for bars, plates and shells.

**4.747 Mechanics of Flight****2 units***Classes:* 45 lectures with associated tutorial and laboratory work.

Control elements for flight: primary aerodynamic controls, secondary controls; phases of flight: ground handling, take-off, climb, cruise, descent, approach and landing; formal description of control; reference inputs for control and navigation; visual and instrument flight; radio aids; pressure instruments; gyroscopic instruments.

Aircraft dynamics: equations of motion for a rigid aircraft; linearisation of the equations; aerodynamic derivatives; typical modes of motion.

Stability, response and control: criteria for stability; response to turbulence; control surface balancing; autopilots.

**4.774 Aircraft Design II****3 units***Classes:* approximately 100 hours of lectures, practical work and workshop practice.

Design requirements and the application of the material presented in other courses to aircraft and related design. The properties of practical aircraft structural materials and related design. Design projects including the making and testing of critical or novel components.

**4.784 Thesis or Design Project****6 units****(8 units for honours level)**

Each student is required to conduct one piece of experimental, theoretical or design work in greater detail than is possible in ordinary classes and to write a thesis presenting the results of his or her investigations.

He or she is expected to design and, if possible, construct any special apparatus or models that may be necessary.

**4.787 Seminar****1 unit**

Each student is required to give a seminar on an appropriate topic selected by the staff, and is expected to take part in the discussion sessions following the formal oral presentations.

**Elective courses**

Attention is drawn to the elective and honours courses, details of which are given in the Engineering Handbook. In addition to completing the Senior and Senior Advanced courses listed above, candidates must also complete sufficient elective or honours courses to obtain credit for the number of units prescribed in the Senate Resolutions.

## Federal Constitutional Law

The subject examines the federal constitution and government of the Commonwealth of Australia.

## Principles of Equity

An account of the general principles of equity, excluding the law relating to trustees and the doctrines of equity.

## Public Law

An examination of the relationship between the citizen and the state under the general headings of—

- (a) Administrative Law; and
- (b) The Rule of Law and Civil Liberties.

## Real Property

An account of the law in force in New South Wales with respect to real property.

The courses of study taken by candidates continuing under old resolutions will be found in the 1979 *Calendar*.

## FIRST YEAR

The subjects taken by first year students are: Contracts, Criminal Law, Legal Institutions and Torts.

### Contracts

A study of the general principles of the law of contract, including the law of agency, with particular reference to the principles applicable in New South Wales. Developments in the law in other common law jurisdictions are considered where apposite, as well as the need for reform in the light of changing social conditions.

### Criminal Law

The course consists of two terms' instruction in criminal law and one term's instruction in criminology.

(a) Criminal law encompasses both the substantive law of crime and the law of criminal procedure. The latter comprises basic principles, specific offences, and specific defences.

(b) Criminology encompasses criminal jurisprudence, criminal statistics, the aetiology of crime, and penology.

### Legal Institutions

A study of contemporary legal institutions with special emphasis on the courts.

### Torts

An account of the general principles of the law of torts as they apply in New South Wales.

## SECOND YEAR

The subjects taken by second year students are: Commercial Law I, Federal Constitutional Law, Principles of Equity, Public Law and Real Property.

### Commercial Law I

(a) An account of the principles of common law and statute law concerned with transfers of personal property, securities in goods, negotiable instruments and partnership.

(b) An account of the principles of common law and statute law governing some common mercantile transactions. This part of the course will include a study of

## THIRD YEAR

The compulsory subjects taken by third year students are: Commercial Law II, Conflict of Laws, Jurisprudence and Succession. From the following electives one or two are to be chosen: Comparative Law, Conveyancing, Criminology, Evidence, Industrial and Commercial Property, Employment and Industrial Law, Law and Social Justice, Legal History, Public International Law, Revenue Law, Roman Law, The Family in Society.

## COMPULSORY SUBJECTS

### Commercial Law II

A study of the partnership law, company law, income tax law and bankruptcy.

### Conflict of Laws

An account of principles governing (a) jurisdiction, (b) the selection of the appropriate law, and (c) the recognition of foreign judgements in cases involving more than one legal system.

### Jurisprudence

Teaching in this area strives to bring together philosophical, historical, sociological, conceptual and comparative thinking about law and legal theory. This year students will be able to choose from several alternative strands discussing major theories of law, fundamental concepts of analytical jurisprudence, the logical analysis of the concept of a legal system and its basic constituents, the socialist contribution to law and legal thinking and the development, in theory and in practice, of concepts of human rights.

### Succession

(a) An account of the duties of trustees.

(b) An account of the equitable doctrines of conversion, election, satisfaction, ademption, performance and hotchpot.

(c) An account of the law and practice of probate in New South Wales and the administration of the estates of deceased persons.

## ELECTIVE SUBJECTS

### Anti-Discrimination Law

This course will consider the rapidly growing body of law and practice in the area of equal opportunity in Australia. The prime focus will be traditional legal

sources, including reference to the laws of countries such as the U.K., U.S.A., New Zealand and Canada, but materials from other disciplines will also be considered. The topics to be covered include the development of the principle of non-discrimination in international law, the history of discrimination and the law in Australia, the constitutional background to anti-discrimination law in Australia, the areas covered by legislation, prohibited grounds of discrimination included in or likely to be included in legislation, the judicial and administrative structure for enforcement of anti-discrimination law, the problems of proof in discrimination cases, and the development and implementation of affirmative action programmes.

### **Comparative Law**

This course is an introduction to, and history of, the Civil Law System on the continent of Europe. In particular it analyses and compares with the Common Law certain specific concepts and techniques in that system.

### **Conveyancing**

An account of the law relating to the transfer of property rights in the nature of property by act of parties, with particular reference to transfers under the Real Property Act 1900 and under Old System title. Included are transfers of ownership, mortgages, leases and options.

### **Criminology**

The principal subject matter will be the nature, prevalence and causation of crime and the policies used in dealing with criminals. The course will be arranged in three parts dealing with (a) the causation of crime, (b) the treatment of offenders, (c) the nature and extent of crime.

### **Employment and Industrial Law**

A study of certain aspects of employment and industrial law in Australia with particular reference to the Commonwealth and New South Wales industrial jurisdictions.

The course falls in two parts: Part A deals with certain major aspects of the private law relationship in the industrial field; Part B deals essentially with the collective law aspects of industrial relations.

### **Environmental Law**

A study of law and practice regulating the natural, built and cultural environments.

### **Evidence**

An account of the principles of the law of evidence.

### **Industrial and Commercial Property**

An account of the law relating to the protection of various intangible assets of business including law of defamation, passing-off, trade marks, copyright, patents and designs, and a study of legislation relating to restrictive trade practices.

### **Law and Social Justice**

A consideration, from a jurisprudential point of view, of contemporary issues of social justice including the relationship between theories of justice and the concept of social justice. There is also a discussion of the theory of human rights.

### **Legal History**

See under entry for Legal History (Extended).

### **Public International Law**

This subject examines the nature and origins of public international law. It discusses the sources of this law and the role played by the individual, the State and international organisations. Emphasis is placed on the rules regulating the interaction of these in relations of peace and in relations of conflict short of war including collective peace enforcement. A number of specialised internal options may be offered during Michaelmas term.

### **Revenue Law**

A study of general issues of tax policy and a critical examination of the Australian tax system. Principles of the federal income tax are also considered.

### **Roman Law**

The course will include (1) the history of Roman law and its continued existence in the present legal systems of the world, and (2) the main institutions of Roman law in the several stages of their historical development with reference to such textual material as is extant.

### **The Family in Society**

An examination of the substantive law affecting domestic relations within the context of the relationship between the family unit and society in general. Analysis of family policies is encouraged on the basis of extra-legal materials.

## **FOURTH YEAR**

Candidates who are graduates in another faculty (including those who have proceeded towards the LLB degree in combination with the BA, BEc or BSc degrees) may be exempted from some or all of these subjects. Other candidates enrol in four of the following extended elective courses provided that:

- (i) candidates who took only one elective course in third year shall in fourth year take a further elective course chosen from those elective courses listed in third year; and
- (ii) candidates may not count towards their degree both an elective course listed in third year and the corresponding course listed in fourth year.

### **Comparative Law (Extended)**

In addition to the matter covered in Comparative Law, this course analyses a wider range of specific concepts and techniques of the Civil Law System.

### **Conveyancing (Extended)**

This course comprises the subject matter of Conveyancing together with aspects of the Local Government Act relating to the use of land, including controls on subdivision, town planning and building; resumption or acquisition of land; mining; rent control.

### **Criminology (Extended)**

This course provides a wider coverage of the topics considered in Criminology.

### **Employment and Industrial Law (Extended)**

This course covers the same material as Employment and Industrial Law with the addition of the history, background and law relating to Trade Unions.

## **Industrial and Commercial Property (Extended)**

This course covers the same areas as Industrial and Commercial Property with the addition of a research essay.

## **Law and Social Justice (Extended)**

In addition to the matter covered in Law and Social Justice, this course considers in a more extended fashion certain specific issues, including equality, affirmative discrimination, privacy and the new world economic order.

## **Legal History (Extended)**

This course will cover research techniques and methodology, directed to the writing of a dissertation. For the dissertation each student will deal with a different topic selected in consultation with the lecturer. It is expected that the topic will be in an Australian field but, where materials are available, the presentation of a dissertation in another field of legal or constitutional history may be permitted.

## **Litigation**

### **1. Evidence**

An account of the principles of the law of evidence.

### **2. Practice and Procedure**

An account of practice and procedure and pleading in the Supreme Court of New South Wales and in the criminal courts in New South Wales.

## **Public International Law (Extended)**

This course covers the subject matter of Public International Law but also includes a study of the law of armed conflict.

## **Revenue Law (Extended)**

In addition to the material covered in Revenue Law, there will be a study of specific issues of tax policy as well as special consideration of the law and policy of the Income Tax Assessment Act.

## **Roman Law (Extended)**

This covers the same topics as Roman Law with the addition of Roman criminal and constitutional law.

## **The Family in Society (Extended)**

This course covers the same areas as The Family in Society together with additional topics of pre-marriage, de facto marriage, domestic relations, the rights and protection of children, adoption and procreation.

# **Faculty of Medicine**

LAW  
MEDICINE

## **FIRST YEAR**

### **Anatomy**

The anatomy of the upper and lower limbs including nervous and peripheral vascular systems is taught during Michaelmas term.

Teaching/learning situations will depend on small group discussion techniques and the use of prosected specimens and other teaching media. Lectures are held as an introduction to many of the tutorials. Course orientation is functional and directed towards clinical applications. Facilities for dissection may be optionally provided.

Students are advised to provide themselves with half-sets of bones.

Fourth year students may undertake their unallocated term in Anatomy, working in the area of applied Anatomy. Those who do so will dissect and prosect. One or more prosectors may be awarded the Wolfe Solomon Brown Prize and the A. M. Loewenthal Prize each year.

*Practical anatomy.* Tutorial rooms and anatomy museum are open to members of the practical class only, during all the three terms, from Monday to Friday, for periods between the hours of 9 am and 5.50 pm, under the supervision of the Professor and the teaching staff.

Admission to dissecting rooms, tutorial rooms and Anatomy Museum is strictly limited to graduates in Medicine and Dentistry and undergraduates enrolled in Anatomy.

Removal of anatomical material from the department is prohibited by law as specified in the Anatomy Act.

## **Behavioural Sciences in Medicine**

The general aim of the Department of Behavioural Sciences in Medicine is to conduct a preclinical course that lays a foundation for the development, throughout later undergraduate and graduate years, of knowledge, skills and attitudes involved in the effective management of the interpersonal and social aspects of the practice of medicine. The department's main contribution is during the first two years of the undergraduate medical course, when students have two lectures and a tutorial weekly in first year and one lecture and a tutorial weekly in second year. The concepts presented in the first two years are reinforced in the clinical years of the medical course.

In first year, Lent term introduces communication between doctor and patient, scientific method in research in medicine, human personality and development, and processes in learning. Trinity and Michaelmas terms examine the person through his or her life span, with emphasis on areas of special medical relevance such as human sexuality, and death, dying and bereavement. The first year tutorial course develops some of the lecture material and introduces basic communication and interviewing skills. Assignments are community based and focus upon developing interviewing skills further.

The second year concentrates on the doctor and the patient. There are four lecture strands: motivation, emotion and stress; the doctor and the patient; the social organisation of medicine; and current issues in the delivery of health care in our society. Tutorials relate to the four strands, and develop the interviewing skills required by students in first year. Assignments give students more responsibility for guiding their own learning, deciding on areas of interest, and finding out about them.

### **Biomathematics**

Given in the first two terms and consisting of 18 lectures and 18 hours of practical work, this course provides instruction in relevant areas of biostatistics and the elements of epidemiology.

### **Chemistry I (Life Sciences)**

A three-term course for the student who will subsequently study biochemistry and physiology. It covers chemical theory, inorganic, physical and organic chemistry, with many examples from the biological areas.

It consists of 69 lectures and 17 three-hour practical sessions.

### **History of Medicine**

A short course of lectures is planned on selected topics including the place of medicine in different societies, the development of concepts of health and disease and the relationship of medicine to the other sciences. A series of tutorials related to these topics will be based on research material compiled specifically for student use. The examination will consist of a formal 2-hour paper, in which the questions will be chosen so that they may be answered from the students' tutorial assignments. The lecturers and tutors are drawn from the Faculty of Medicine generally rather than from any individual department. Enquiries should be directed to Professor Y. E. Cossart, Department of Infectious Diseases.

### **Histology and Embryology**

In Michaelmas term this course, consisting of one lecture and one two-hour practical period per week, is concerned with the structure of cells and several of the tissues.

### **Introductory Medical Science**

This course, consisting of about 150 hours of lectures and practical work, provides an introduction to areas of knowledge that are basic to an understanding of the preclinical sciences.

The first two terms are given by the School of Biological Sciences and follow the general lines of the course Human, Social and Environmental Biology. In Michaelmas term consideration is given to selected topics in cell physiology, cellular interactions and the biology of microorganisms.

### **Physics I (Life Sciences)**

The course, which where possible shows the application of physics in the biological sciences, consists of six lecture units: forces and energy, electricity, thermal physics, optics, ionising radiation and properties of matter.

There are 72 lectures and 18 three-hour laboratory sessions. Two-thirds of the lectures are given on closed-circuit television.

## **SECOND YEAR**

### **Anatomy**

During the second year of the course attention is given successively to the thorax, abdomen and pelvis and the head and neck. For teaching/learning methods see first-year entry.

### **Behavioural Sciences in Medicine**

See the First Year entry.

### **Biochemistry**

Biochemistry is studied during three terms of second year and three terms of third year.

In second year, there will be three lectures per week dealing with the following topics. Lent term: the structure and properties of amino acids, peptides, proteins, mono- and poly-saccharides, nucleotides and nucleic acids; introduction to the properties and functions of enzymes. Trinity term: metabolism of carbohydrates, lipids and amino acids; bioenergetics. Michaelmas term: control of metabolism and mechanisms of hormone action; biochemistry of gene replication and expression. In addition, there will be three practical classes to be held in each of Lent, Trinity and Michaelmas terms.

In third year, Medical Biochemistry is a component of Clinical Sciences I.

### **Histology and Embryology**

Second year work in Histology is concerned mainly with the structure of organs. There are two lectures and two two-hour practical classes in Lent term and one lecture and one two-hour practical class in Trinity and Michaelmas terms.

The Embryology course, of one lecture per week, is concerned with the morphology of development in Lent and Trinity terms and with developmental biology and teratology in Michaelmas term. Embryology practical work (2 hours per week) is provided in Michaelmas term.

### **Pharmacology**

Pharmacology is taught over six terms, commencing in Trinity term of second year and ending in Lent term of fourth year. In second year it is co-ordinated on a topic basis with Physiology. Instruction is by lectures, tutorials and correlation sessions.

Third year students will receive a course of lectures and tutorials on systematic pharmacology.

Clinical pharmacology will be taught in Term 4.1 by lectures, tutorials and selected practical sessions.

Examinations are by assessments at the end of each teaching term throughout the course and each will cover the work of that term. Pharmacology as a whole will be examined in the 3.4 barrier assessment.

### **Physiology**

The course in Physiology is taught throughout second and third years. In second year a complete course in general and systematic physiology is provided. This

includes lectures (approximately 3 per week), practical classes (2 or 3 per term) and tutorials. In the third year courses in neuroscience (Lent term) and in clinical physiology (Trinity and Michaelmas terms) are offered. These courses, which are taught in conjunction with the Departments of Anatomy, Medicine, Obstetrics and other clinical departments, are intended to emphasise those parts of physiology that have immediate clinical relevance.

## THIRD YEAR

### Infectious Diseases

A course of approximately 50 lectures and 40 practical classes/tutorials is given in third year. The principles of medical microbiology are explained and their application to the diagnosis, treatment and prevention of disease demonstrated.

### Pathology

Pathology is taught in all four terms in Third year. The course consists of lectures, tutorials, practical classes and autopsy demonstrations.

General Pathology, which provides an understanding of basic disease processes, is taught in first term.

At the end of the General Pathology course students are introduced to Forensic Pathology. There is an assessment at the end of first term.

Systematic Pathology, in which the principles learnt in the General Pathology course are applied to the study of specific diseases, is correlated with teaching in the relevant clinical science disciplines.

The entire year's work in Pathology is examined at the 3.4 barrier examination.

### Pharmacology

See the Second Year entry.

### Clinical Science

In the third year clinical instruction is given at the University in the form of correlative teaching sessions dealing with specific disease states. The disciplines in this teaching include the following:

- Medicine, including subspecialties
- Surgery, including subspecialties
- Immunology
- Pharmacology
- Infectious Diseases
- Pathology

In addition to the university teaching sessions, clinical tuition, correlated with the campus teaching, is given in the hospitals.

The aim of this course is to present the core facts about specific disease states in an integrated manner, correlating the different disciplines involved in the diagnosis and treatment of the disease.

### History-taking and Clinical Examination

In first term of third year students commence instruction at the clinical schools. This includes instruction in the physical examination of patients, taking a history of patient's illness and recognition of symptoms of disease.

## FOURTH YEAR

### Term 4.1

This term is of a minimum of 6 weeks' duration and includes:

- (a) a course in Health and the Australian Community;

- (b) lectures in Ophthalmology and Dermatology;
- (c) lectures and practical classes in Clinical Pharmacology;

The Health and the Australian Community programme combines teaching of:

- Epidemiology and Biostatistics
- Health Services
- Law, Ethics and Medicine
- Occupational Medicine
- Preventive and Social Medicine
- Tropical Health

The broad issues of health and ill-health in the community are considered in a social, demographic and political context. Various aspects of the organisation and management of medical practice are examined with particular emphasis on the impact of legislated and mandated bureaucratic requirements of governments on medical practice. The specific health risks of various environments/population groups are examined: e.g. workplace, immigrants, ethnic minorities, and preventive strategies are discussed.

### Assignment terms

There are four assignment subjects: Community, Geriatric and Rehabilitation Medicine; Obstetrics and Gynaecology; Paediatrics; and Psychiatry. Each subject is taken during a term of eight or nine weeks' duration. The assignments commence in the second term of fourth year, and finish in the fifth term of fourth year. Students whose performance in an examination appears unsatisfactory may be expected to attend a repeat (professorial) viva voce examination before proceeding to the next assignment.

### Community Medicine

The general objectives of the term are to demonstrate and provide information about the experience in community medicine, so that students will be able, as members of a health team, to plan and effect health promotion and the management of health problems of individuals and families in a community setting.

The term covers community health, epidemiology, general practice, geriatric medicine, primary care and rehabilitation medicine, and includes aspects of medical ethics.

Students spend two weeks in a full-time general practice attachment and three weeks in a full-time geriatric-rehabilitation placement, plus sessional placements in other community health services.

Each student prepares several case history reports, and presents material on tutorial topics. Full details are provided each year in the department handbook.

### Obstetrics and Gynaecology

The assignment in Obstetrics and Gynaecology has the following objectives:

- (a) to give the student insight into the functional and organic processes of human reproduction and sexuality and the biology of women;
- (b) to instruct the student in the principles and practice of normal management of normal labour;
- (c) to indicate the value of prevention of disease in obstetrics and gynaecology;
- (d) to stress the socio-economic; psychological and psychosomatic factors involved in the discipline;
- (e) to demonstrate the care of the neonate, and
- (f) to establish a firm base from which a deeper understanding of, and vocational training in, ob-

stetrics and gynaecology can be obtained in the early graduate years.

The nine-week term will be divided into an initial week when all students will spend the first four and a half days on campus, with sessions of lectures, films, discussions and demonstrations. On the first Friday afternoon students will attend their Teaching Hospital for orientation.

The remaining eight weeks will be spent attending the student's allocated hospital. Residence in hospitals will normally be expected for at least four of the eight weeks.

The arrangements for the scheduled teaching sessions vary between hospitals but, in general, students receive weekly tutorial sessions and teaching ward rounds from the academic and visiting staff.

An important educational experience is duty on the delivery floor, during which each student is expected to admit to hospital, attend during labour, and deliver and check the post-natal progress of at least four mothers and babies.

Each student also spends periods each week with the antenatal service, both inpatient and outpatient; the gynaecological service; and the neonatal intensive care facility of the hospital.

In the last week of the assignment term, an assessment of the student's knowledge, attitudes and skills is made. This consists of an essay paper, a viva voce examination and a clinical examination. The latter is conducted by two examiners. Students are also required to complete a written project on a particular topic throughout the term and submit two written case histories of adult patients, one neonatal history and one sexual history, which is separately assessed.

#### **Paediatrics and Child Health**

The assignment term in Paediatrics and Child Health has the following objectives:

- to teach students about common childhood conditions seen in the community;
- to assist students to recognise important, but less common, conditions and be adequately informed about how appropriately to refer such patients;
- to encourage students to exhibit personal initiative, and to engage them in the broader philosophical aspects of child health and medicine.

Students are based at the Children's Hospital and the Westmead Hospital. As comprehensive an exposure as possible to all aspects of child health and disease is provided. This includes attendance in the casualty department, outpatients, the wards (medical and surgical), child psychiatry, and at a number of formal lectures and participation in tutorial groups. There are a limited number of visits to other hospitals and institutions caring for the handicapped. History taking and clinical examination are the most important aspects of the term.

Option term students are welcome at both hospitals in limited numbers.

End-of-term assessment is by the Objective Structured Clinical Examination where the student moves through a number of examination stations which test history taking skills, interpretation of clinical data, theoretical knowledge and physical examination. Students are expected to research and write a project during term.

#### **Psychiatry**

Psychiatry is introduced in third year but the major part of teaching occurs during the assignment period in fourth year. During the assignment, all students are given opportunities for clinical experience and in-

struction in both general hospitals and psychiatric hospitals. The various clinical units include:

- (a) Royal Prince Alfred Hospital, Rozelle Hospital and the Glebe, Newtown and Balmain Community Clinics;
- (b) Royal North Shore Hospital, Bankstown Hospital, the Macquarie Hospital and the Northside Clinic;
- (c) Westmead Hospital, Concord Hospital, Lidcombe Hospital, and Cumberland Hospital.

In addition, topic teaching takes place each week at the Department of Psychiatry at the undergraduate centre at Rozelle Hospital.

The main aim of the course is to demonstrate to students the ways in which psychiatric assessment is undertaken in a variety of clinical settings.

### **FIFTH YEAR**

In fifth year students have two periods of 14 weeks during which they have campus teaching in Medicine and Surgery on Monday mornings. These sessions are equally divided between Medicine and Surgery into:

- (a) long correlation sessions of one-and-a-half hours' duration;
- (b) short correlation sessions of one hour's duration;
- (c) lectures of one hour's duration.

Students spend four-and-a-half days each week in the teaching hospitals. Each 14-week period is divided into two terms of seven weeks. Students have two terms each of Medicine and Surgery alternating. Hospital seminar tutorials in Medicine and Surgery are held for all students on two days each week throughout the four seven-week terms.

#### **Medicine**

During the two terms of seven weeks in Medicine, students are attached to a general or special medical unit. In addition to general medical responsibilities, they participate in the activities of special units in programmed sessions.

##### *Patient Responsibilities—General Medicine*

Students take and record all histories for patients admitted to the unit to which they are assigned. Histories are checked and countersigned by the resident and / or registrar to become part of the hospital record.

Student responsibilities to the medical unit include:

- (a) daily rounds with the intern, resident and registrar;
- (b) rounds with the attending physician;
- (c) attendance and participation in clinical meetings, radiology and pathology sessions;
- (d) direct involvement and supervised participation in day-to-day patient care;
- (e) a 24-hour roster immediate call system on unit admitting days (including weekends)

These responsibilities continue throughout the two seven-week medicine terms.

##### *Teaching Sessions—Hospital*

The following teaching sessions are programmed:

- (a) seminar tutorials in medicine and surgery held on four days weekly throughout the 28 weeks;
- (b) daily Monday to Friday: Clinical case presentations from all students in rotation, to be conducted by a clinical tutor in medicine;
- (c) medical resident / registrar tutorials in physical diagnosis weekly.



## Surgery

### General Surgery

During the seven weeks of general surgery, students are allocated to general surgical wards and expected to clerk cases allocated to them. They enter into the general working routine of the Unit. During this term it is necessary for each student to spend one half day in Ear, Nose and Throat tuition, one radiology tutorial per week and approximately two tutorials in general surgery each week.

### Special Surgery, Anaesthetics and Resuscitation

During this term students are allocated to the Department of Orthopaedics and Traumatic Surgery for three weeks' tuition in diseases of the musculo-skeletal system. One week is allocated to the Department of Anaesthetics. In the remaining three weeks, students are required to fulfil an assignment in Urology, Thoracic Surgery, Plastic Surgery and Neurosurgery. They are required to submit case reports on patients suffering from certain diseases within these specialities. These reports, together with students' comments and results of their reading, are assessed in their log book. The Department of Anaesthetics conducts an assessment in the last anaesthetic tutorial in this term.

### Anaesthetics

A part of the Surgery term is devoted to anaesthetics. Emphasis in the lectures, tutorials and the practical tuition is on preoperative assessment, the effects of anaesthesia and surgery on cardiovascular and respiratory function, the protection of the patient during operation, the immediate postoperative period, cardiopulmonary resuscitation, the management of patients on ventilators and simple local analgesia. Aspects of preoperative management, the principles of the anaesthetic management and postoperative care are part of the clerking of the surgical patients during the term, with one week attached solely to a department of anaesthetics of the teaching hospitals. Evaluation of student performance is from the part-time lecturers and tutors and oral assessment by the Professor of Anaesthetics and/or his nominee.

### ASSESSMENT IN MEDICINE AND SURGERY

At the end of the 28 weeks' teaching in Medicine and Surgery, a joint examination is held by the Departments of Medicine and Surgery for all students, as follows:

**Multiple choice question papers.** Two multiple choice question papers, each with up to 100 questions, will be held on the morning and afternoon of one day.

**Essay paper.** One 3-hour combined Medicine and Surgery paper requiring short written answers will be held.

**Clinical examinations.** A Clinical Medicine and a Clinical Surgery examination will be held separately. In Medicine there will be one long case, consisting of 1 hour with patient, followed by 20 minutes with two examiners, and two short cases for 20 minutes with a second pair of examiners. In Surgery there will be one long case, consisting of 30 minutes with the patient, followed by 20 minutes with two examiners. There will be a series of short cases for 20 minutes with a second set of examiners. In addition, in-training evaluation reports and log books will be available to assess student performance.

Students will be encouraged to use the computer-based multiple-choice question self-assessment system on several occasions throughout the term. They

may use this to identify deficiencies in knowledge and to check that these have been remedied following extra work.

## MEDICINE

### Option

The final term of fifth year a compulsory option term. The purpose of this eight-week term is to allow each student the opportunity to study an individual subject in greater depth. The student is given a chance to learn through his own experience and effort. Options may consist of laboratory exercises, research, clinical instruction, essays and assignments. Each student is expected to study a specific aspect of medicine, to collect and analyse data on the topic, and submit a written project report. The option is supervised by a faculty approved supervisor and the project report is read and marked by a faculty member.

There are a variety of option subjects, from which students are required to choose one that may be attractive to them. Copies of a booklet listing the option subjects available may be read in the warden's office in each of the clinical schools, the Medical Library, or the Dean's Office, Faculty of Medicine. Students are required by May to advise the faculty of their choice of option subjects, in order of priority. They are allocated to an option subject by an interdepartmental committee established by the faculty.

Students are required to have satisfied the option term before they may graduate with the degrees of Bachelor of Medicine and Bachelor of Surgery. The option supervisor and the faculty supervisor report to the Board of Examiners for assessment of the option term. If the Board of Examiners decides that a student's performance has not been satisfactory, he or she will be required to repeat the term.

### BACHELOR OF SCIENCE (Medical)

For the requirements of the degree, see Chapter XII of the by-laws and the resolutions of the Senate that follow. The degree may be taken in these departments:

- Anatomy
- Behavioural Sciences in Medicine
- Biochemistry
- Histology and Embryology
- Infectious Diseases
- Pathology
- Pharmacology
- Physiology

# Faculty of Science

## AGRICULTURAL CHEMISTRY

Courses in Agricultural Chemistry for Science students consist of aspects of chemistry and biochemistry which are particularly relevant in studies of basic and applied biological sciences. Emphasis is placed on the chemistry of molecules of biological significance both naturally occurring, e.g. cellular constituents, foods, natural fibres, and chemically synthesised including insecticides and herbicides. The biochemistry is planned around the relationship between living organisms and their environment and includes sections on the metabolism of inorganic and synthetic materials by animals, plants and micro-organisms.

### INTERMEDIATE COURSE

#### **Agricultural Chemistry I** **8 units**

A course of 3 lectures and 5 hours' practical per week throughout the year. It includes three main sections: physical chemistry and instrumental methods related to a proper understanding of biological sciences, organic chemistry covering the basic properties of naturally occurring molecules and those synthetic materials frequently in contact with living organisms, and a basic biochemistry course including a general approach to methods of studying the metabolism of living organisms, as well as more detailed metabolic studies.

### SENIOR COURSE

#### **Agricultural Chemistry II** **12 units**

A course of 3 or 4 lectures and 8 or 9 hours' practical per week throughout the year. The course includes sections on the chemistry and biochemistry of cellular constituents (particularly in plants), energy metabolism and the control of metabolic processes, metabolism of inorganic materials such as nitrogen and sulphur and the action of herbicides and pesticides. There are also sections on the physical and organic chemistry of biologically significant macromolecules, chemistry of cereals and pulses, fibres and plant secondary products, and a short course on some aspects of food science.

The practical course includes sections concerned with analytical techniques and instrumentation and more advanced chemical and biological experiments.

#### **Agricultural Chemistry Honours**

To qualify for admission to the honours course students must have obtained an appropriate standard in Agricultural Chemistry II.

The course may include lectures, practical classes, seminars, study of a reading list, essays and a research project (with submission of a thesis as part of the examination). Research interests in the department include nitrogen metabolism, metabolism in legume nodules, oil seed biochemistry, carbohydrate chemistry and metabolism, the biochemistry of pesticide metabolism by plants and heavy metal and residue analysis in foods.

## ANATOMY

### INTERMEDIATE COURSE

#### **Introductory Anatomy** **4 units**

This course consists of 2 lectures and 2 hours of practical/tutorial work per week. The course provides a broad introduction to the subject of human anatomy.

### SENIOR COURSE

#### **Anatomy I** **12 units**

The course will provide an in-depth study of the subject of human anatomy.

## BIOCHEMISTRY

### INTERMEDIATE COURSES

#### **Biochemistry I** **8 units**

Biochemistry I provides a basic course for (a) students who wish to do only one year's study in the subject and (b) for students who wish to continue on to the senior course, Biochemistry II (12 units). An honours course designed for those wishing to enter research or to undertake work leading to a higher degree is conducted in the fourth year.

There are 3 lectures and 5 hours of laboratory work per week. The topics covered include: protein structure and function; enzymes; nucleic acid and protein synthesis; detailed study of carbohydrate, fatty acid and amino acid metabolism; and selected topics in mammalian biochemistry.

#### **Biochemistry I Auxiliary** **4 units**

This is an alternate intermediate course in biochemistry. There are 3 lectures per week and 1½ terms of audiovisual work per year. The topics covered are similar to those in the Biochemistry I course.

### SENIOR COURSE

#### **Biochemistry II** **12 units**

There are 4 lectures and 8 hours of laboratory work per week. Areas of special importance are covered in some depth and at a relatively advanced level. They include: enzymology; physical chemistry of macromolecules; membrane biochemistry; biochemical genetics and chromosome replication; the biochemistry of gene expression; plant biochemistry; molecular biology of the immune response; biochemistry of hormones; neurobiochemistry; and the biochemistry of micro-nutrients.

The course includes two lectures per week in several options that are available in each term. These options cover more specialised aspects of Biochemistry at some depth, and students are encouraged to select those options in which they have a particular interest.

## BIOLOGICAL SCIENCES

### JUNIOR COURSES

All students intending to take first year courses in the School of Biological Sciences should consult the Faculty of Science handbook.

## First Year Biology

There are three courses in first year Biology. These are:

**Introductory Biology**—Available for students in the Faculty of Veterinary Science only (see under Veterinary Science).

**Biology I**—Students in the Faculties of Science and Agriculture must enrol in this course (except students in the Department of Pharmacy). Students in the Faculty of Arts, Department of Education, Faculty of Economics and Faculty of Engineering may also enrol in this course.

**Biology—Human, Social and Environmental**—This course is compulsory for students enrolling in Dentistry I and Pharmacy I. Students in Arts and Education, Economics and Engineering wishing to take Biology may enrol in this course, although students intending to proceed to Biology II are advised to enrol in Biology I—together with Chemistry I.

### Biology I 6 units

The course gives an introduction to six main areas of biological investigation: cell biology, structure and function of organisms, organisms and environment, genetics, developmental biology and evolution.

There are approximately 81 lectures (three per week) and 26 practical sessions (based on the audio-tutorial system).

### Biology—Human Social and Environmental 6 units

This course provides students with a background in biology, stressing the application of biological principles in everyday life. Areas of study include an introduction to cell structure and function, anatomy and physiology of mammals with particular reference to humans, genetics, microbiology, parasitology, ecology (including conservation and pollution control) and evolution.

There are about 45 lectures (some on closed circuit television) and 25 four-hour laboratory sessions, many of which involve tutorial/seminar work, which requires extra reading. Pharmacy students do extra work in human anatomy and physiology during Lent term.

## INTERMEDIATE COURSES

### Biology II

The following second year courses are offered:

#### 8 unit courses

Biology II (Animals)  
Biology II (Genetics, Cellular and Developmental)  
Biology II (Plants)

#### 4 unit courses

Biology II (Plants) Auxiliary (1)  
Biology II (Plants) Auxiliary (2)  
Introductory Biology II (Genetics, Cellular and Developmental)  
Introductory Entomology

A maximum of 16 units may be taken in Biology II.

### Biology II (Animals) 8 units

Qualifying course Biology I. Prerequisites: Chemistry I, and one of Physics I or Physics I (Life Sciences), Mathematics I or General Pure Mathematics.

Weekly class contact hours are: lectures, 3; seminars, 1; practicals, 4.

The course includes:

- Invertebrate biology
- Animal behaviour
- Comparative physiology
- Vertebrate biology

### Biology II (Plants)

8 units

SCIENCE

Qualifying course Biology I. Prerequisites: Chemistry I, and one of Physics I, Mathematics I, or General Pure Mathematics. Biology II (Plants) is a course of lectures, practical classes, independent audiovisual study and small group discussions on the following aspects of Plant Biology:

Lent term

Plant Structure and Function

Trinity term

Plant Physiology and Ecology

Michaelmas term

The Plant Kingdom

### Biology II (Plants) Auxiliary (Two courses) 4 units

Biology II (Plants) Auxiliary (1) 4 units

Biology II (Plants) Auxiliary (2) 4 units

These courses consist of the first and second half respectively of Biology II (Plants) and thus may not be counted together with that course.

### Biology II (Genetics, Cellular and Developmental)

8 units

A course in Biology dealing with genetics, cell biology and animal and plant development. Leads to Biology III (Genetics) or a selection of third year options, which can be combined to make up the twelve unit Biology III (Combined) course.

Qualifying course and prerequisites as for Biology II (Animals) and Biology II (Plants).

### Introductory Biology II (Genetics, Cellular and Developmental) 4 units

Qualifying course and prerequisites as for the 8 unit course (above).

Lectures and tutorial work as for Biology II (Genetics, Cellular and Developmental); no laboratory work included. May not be counted together with the 8 unit course Biology II (Genetics, Cellular and Developmental).

### Introductory Entomology

4 units

Assoc. Prof. McDonald Dr Rose Dr Meats

Qualifying course: Biology I

Pre Chemistry I

Co Biology II (Animals)

Exam. 3 h P-3 h CW Collection

An introductory course giving a brief introduction to insects. Topics cover morphology and classification, physiology, ecology, principles of control, toxicology of insecticides and biology of the major economic pests in New South Wales.

## SENIOR COURSES

### Biology III

The following third year courses are offered:

Biology III

Biology III (Additional)

Biology III (Biophysics and Plant Physiology)

Biology III and Biology III Additional may be made up in a variety of ways by combinations of options, depending on the qualifications and interests of the student. Either 12 or 24 units may be taken by a student who has qualified by passing an 8 unit course in Biology II (for other special entry qualifications for Biology III, see the Faculty of Science Handbook). A single 12 unit course will be called Biology III. A double 24 unit course will be called Biology III and Biology III Additional. The options are as follows:

Lent term	units
Terrestrial Vertebrates 1	2
Terrestrial Vertebrates 2	2
Marine Botany 1	2
Marine Botany 2	2
Fundamentals of Ecology	2
Population Management	2
Mycology and Palynology	4
Molecular Biology of Cytoplasm	4
Eukaryotic Molecular Genetics	4
Comparative Anatomy of Insects	4
Trinity Term	
Environmental Physiology 1	2
Environmental Physiology 2	2
Marine Zoology 1	2
Marine Zoology 2	2
Evolution	2
Plant Development	2
Community Ecology	2
Plant Physiology	2
Plant Systematics and Evolution	4
Cytogenetics and Evolutionary Genetics	4
Comparative Anatomy of Insects	4
Michaelmas term	
Developmental Biology 1	2
Developmental Biology 2	2
Developmental Biology 3	2
Plant / Animal Interactions	2
Experimental and Quantitative Ecology	2
Plant Ecology	2
Marine Ecology	2
Prokaryotic Molecular Genetics and Genetic Engineering	4
Membranes, Molecules and Energy	4
Toxicology and Physiology of Insects	4

### Biology III (Biophysics and Plant Physiology)

12 units

With permission of the head of the school, students may take the following course sequence without having taken a second year course in Biology, providing they have reached a high standard in Agricultural Chemistry I or Biochemistry I, Biochemistry (Auxiliary) *and* either General Pure Mathematics *or* Mathematics I.

Lent term
Molecular Biology of Cytoplasm
Trinity term
Plant Physiology
Michaelmas term
Membranes, Molecules and Energy

### Biology Honours

A single honours programme in biology accommodates students from Biology III. Information about qualifications for entry into honours is available from the Head of School's Office (Zoology Building).

During the honours year the principles established in the first three years of the undergraduate course are further developed, and students are introduced to a wider field of biology and biological techniques. Students may elect to specialise in any of the aspects of biology that are studied in the school.

Students who have signified their intention of entering the honours course will be notified of acceptance shortly after the publication of the third year examination results. Honours students are expected to start their academic year at the beginning of February.

With permission of the head of the school and the Faculty of Science, students who have qualified to take an honours course and passed Biology I may take Bi-

ology honours without having taken Biology II and III. This concession is intended for students who have majored in physics, chemistry or biochemistry and wish to study biophysics or plant physiology; they should first discuss their qualifications with Professor N. A. Walker.

The honours course comprises:

- (a) A project or projects in which the student investigates a problem and presents oral and written accounts of his or her research.
  - (b) Coursework units chosen from a programme offered by the school.
  - (c) A course in experimental design, and other technical instruction.
- The degree will be awarded on the basis of:
- written assignments and essays from coursework units
  - marks awarded to a thesis on the subject of the project.

### CELL PATHOLOGY

#### Cell Pathology I

12 units

This course is designed to provide students with insight into cellular mechanisms altered in disease and to equip them to apply the concepts and methods of cell biology to the study of pathology. The course should be particularly attractive to those who would pursue the honours course with a view subsequently to doing research in an intellectually challenging area of biology.

Lectures, seminars and directed reading will deal with the general principles of pathology emphasising the physiological, biochemical and genetic aspects and the correlation of disturbed cell function with structural and ultrastructural changes.

Laboratory work will be mainly concerned with animal experiments chosen to illustrate particular aspects of pathology (including immunology), and making use of a variety of methods that will help in later development of the subject.

In Michaelmas term each student will undertake a project designed to try to answer a question (preferably of his own asking) that has evolved in his earlier study of the subject. Performance in this project will be part of the assessment of the suitability of a student to proceed to honours.

Prerequisites and corequisites for the course are as set out in Senate Resolution 15 governing Bachelor of Science. Students interested in the course should discuss it with the head of department. The Department of Pathology can cater for a very small number of students in this course and superior performance in junior and intermediate courses will be essential to ensure success in this course.

### Cell Pathology Honours

Students will undertake an investigation at a more advanced level than that of the Michaelmas term project of the senior course. Research will usually be related to the work of one of the staff of the department and the results will be presented in the form of a thesis with a view to possible publication. Seminars, discussions and review of current literature will also comprise part of the course.

### CHEMISTRY

Fully detailed information about all courses, prescribed textbooks and reference books is available from the Chemistry School.

Exercises are issued and tutorials are held at regular intervals for all courses.

**JUNIOR COURSES****Chemistry I****6 units**

Chemistry I is offered at two levels, Chemistry IA and Chemistry I.

Chemistry IA (advanced level) is available to students with a good school record in Science or Chemistry. Students in the Faculties of Agriculture, Engineering and Science are eligible.

Chemistry I (ordinary level) provides a sound foundation for a further study of Chemistry, or any chemically based subsequent course. This chemistry course is built on satisfactory prior knowledge of the Chemistry component of the Science 3-unit HSC course. Revision of basic concepts of the school course is given in Lent term.

*Lectures:* About eighty lectures throughout the year in each course.

*Practical work:* Twenty-seven 3-hour sessions, one per week throughout the year in each course.

*Examination:* An examination is held at the end of each term. Students are advised at the beginning of the year concerning additional forms of assessment which are taken into account.

**INTERMEDIATE COURSES**

Fully detailed information sheets on the courses and textbooks are available in the Chemistry School. All students who intend to take a Chemistry Intermediate course must be interviewed by and register with one of the Chemistry School advisers on duty during the enrolment period.

**Chemistry II (Normal)****8 units**

*Lectures:* A course of one to two lectures per week throughout the year in each of inorganic, physical, organic and theoretical chemistry.

*Practical Work:* A course of five hours per week for one term in each of the inorganic and physical laboratories and five hours per week for seven weeks in the organic laboratories. Attendance for only two afternoons per week is required.

**Chemistry II (Long)****10 units**

*Lectures:* A course of four lectures per week throughout the year. The 108 lectures are divided into 45 of organic, 27 of inorganic, 27 of physical and 9 of theoretical chemistry.

*Practical work:* A course of six hours per week for one term in each of the inorganic, organic and physical laboratories. Attendance for only two afternoons per week is required.

**Chemistry II Auxiliary****4 units**

*Lectures:* A course of one lecture per week throughout the year in each of organic and physical chemistry. In Trinity term there is an additional lecture per week in organic chemistry.

*Tutorials:* Nine compulsory tutorials spread throughout the year on physical chemistry.

*Practical work:* A course of 3 hours per week for six weeks in the organic laboratory in Michaelmas term, and three hours per week for six weeks in the physical laboratory commencing in the first week of either Lent or Trinity term.

**SENIOR COURSES**

Fully detailed information sheets on the courses and textbooks are available in the Chemistry School. All students who intend to take a Chemistry Senior course, in addition to interviewing one of the Chemistry School advisers on duty during the enrolment

period, are also required to consult the student advisers in the Chemistry School about the selection of their Chemistry courses when they register in the school during orientation.

The following courses are offered:

**Chemistry III****12 units**

*Lectures:* A course of four lectures per week throughout the year. Each student must take a minimum of eighteen lectures in each of inorganic, organic, physical and/or theoretical, chemistry. The remaining 54 hours of lecture time may be devoted to one of several possible combinations of inorganic, organic, physical and theoretical chemistry. Details of these options and the textbooks required for them are available in the Chemistry School.

*Practical work:* A course of eight hours per week for one term in each of the inorganic, organic and physical laboratories. For students taking some theoretical chemistry options, a portion of the laboratory practical work is replaced by a theoretical workshop class.

**Chemistry III and  
Chemistry III Additional****24 units**

*Lectures:* A course of eight lectures per week throughout the year. Each student must take a minimum of 27 lectures in each of inorganic, organic and physical chemistry, a minimum of 9 lectures in theoretical chemistry and, in addition, a course on computer programming, for those students who have not previously undertaken a formal course in computing. The remaining lecture time may be devoted to one of several possible combinations of inorganic, organic, physical and theoretical chemistry. Details of these options and the textbooks required for them are available in the Chemistry School.

*Practical work:* A course of 16 hours per week throughout the year. A minimum of 108 hours in each of the inorganic, physical, and organic laboratories is compulsory. The remaining 108 hours of practical work time are spent in one or more of the laboratories according to the student's lecture programme.

For students taking some theoretical chemistry options, a portion of the laboratory practical work is replaced by a theoretical workshop class.

**Chemistry Honours**

Students of sufficient merit may be admitted to fourth year courses and may then graduate with Honours in one of the following: Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Theoretical Chemistry.

They are required:

- (a) to carry out research work under the direction of a supervisor;
- (b) to submit a report in the form of a thesis on this work;
- (c) to attend such lectures and colloquia, etc., as directed;
- (d) to answer, satisfactorily, written examinations.

Further details are available from the respective professors from whom information about higher degree requirements can also be obtained.

**COMPUTER SCIENCE**

Computers allow the embodiment of abstract methods for the design and manipulation of information. The subject, computer science, is both very abstract and very practical. Through most of the courses this is reflected in parallel streams of lectures

on the theoretical and the practical aspects of computers.

In the first year, the language Pascal and Macintosh micro computers are used as vehicles for the study of algorithms, data structures, and computer systems. Fortran is also introduced later in the first year. In later years, more and more complex systems are introduced, together with the conceptual tools to understand them.

The main stream of this subject is available to students in first and second years of the Faculties of Arts, Economics, Engineering and Science and third and fourth years in Arts, Economics and Science. Fuller details of courses are available from the Basser Department of Computer Science.

## JUNIOR COURSE

### General Computing Studies

The course is designed for students who want an understanding of computers and computing and the application of these in the workplace and society, but who do not intend to study computer science further.

The course deals with material from the following areas: microcomputers and application packages; computing concepts and programming; programming applications; general computer knowledge and computers in society.

### Computer Science I

An introductory course in algorithms, programming languages, computing machines and systems, computer usage, and discrete structures. Three lectures and three hours of tutorials / practicals per week. HSC 2 unit Mathematics is assumed. *Note:* HSC 3 unit Mathematics will be assumed from 1988.

## INTERMEDIATE AND SENIOR COURSES

### Computer Science II

This is an intermediate course. The topics covered include programming, machine principles and operating systems, data and file structures, digital logic, numerical methods, languages and translators, and theoretical computer science. Computer Science I and a first year mathematics course are the prerequisites.

### Computer Science III

This is a senior course. At least nine modules selected from the following must be completed (some being mandatory): advanced digital machinery, analysis of algorithms, artificial intelligence, communication and networks, compiler construction, complexity theory, computer architecture, computer graphics and image processing, computer milieu, data base systems, logic programming, numerical analysis A & B, numerical methods in operations research in science and engineering, operating systems, software engineering, software engineering project.

### Computer Science IIIE

Available only for Economics students.

Students must take seven modules. (For list of modules see Computer Science III.) For further details consult the departmental handbook.

### Computer Science IIIE Additional

Available only for Economics students.

Students must take six modules additional to those taken for Computer Science IIIE. (For list of modules see Computer Science III.) For further details consult the departmental handbook.

### Computer Science IIIE Advanced

Available only for Economics students who intend to undertake honours in Computer Science.

Students must take 12 modules. (For list of modules see Computer Science III.) For further details consult the departmental handbook.

### Computer Science Honours

Open to students of sufficient merit who have completed Computer Science III. The course consists of practical program development and computer science research plus a selection of lectures on such topics as advanced computer graphics and image processing, advanced operating systems, artificial intelligence techniques, computer cryptanalysis, computer networks, concurrent programming, data communication and signal processing, formal systems, graph algorithms, history of scientific calculating devices, information and coding theory, microprocessor systems, parallel computation, performance evaluation of computing systems, queueing systems, robotics, semantics, symbolic and algebraic computation, VSLI.

### DIPLOMA IN COMPUTER SCIENCE

This is a postgraduate diploma course of study and research.

The prerequisites are:

- (a) Pure Mathematics II or Applied Mathematics II or Mathematical Statistics II or Combined Mathematics II or Electrical Engineering Mathematics II (under Senate Resolution 20) or Econometrics II or Economic Statistics II at the University of Sydney; and
- (b) Computer Science II at the University of Sydney; or, if approved by the Faculty of Science
- (c) equivalent courses completed elsewhere;
- (d) equivalent professional experience may be accepted in lieu of parts of the above.

Candidates must complete prescribed courses in Computer Science which will include Computer Science III.

The diploma may at present be taken full-time or part-time.

## GEOGRAPHY

Geography is an extremely varied and versatile subject covering a broad spectrum of knowledge. From its Greek semantic origin, geography has been principally concerned with earth description, but modern geography is concerned with man's relationship with the earth within a scientific and highly structured framework. Today, geography primarily deals with identification, analysis and interpretation of spatial distributions of phenomena and their areal associations. It is essentially involved with places, locations, territory, distance and process interaction within the earth-space environment.

The principal strands of study in this department are coastal geomorphology, hydrogeomorphology, economic geography, historical geography, social geography, and environmental management. As geography is basically a field science, emphasis is placed on the real world rather than abstractions. Fieldwork and excursions are compulsory and students contemplating any course are urged to consider the relevant requirements before enrolment. Outlines of courses are given in the handbooks of the Faculties of Arts, Science and Economics, and specific details on courses and other matters in the Departmental Handbook available from the Secretary, Institute Building, by early February.

## Special Geography Sequence (Science Students)

A student who has not taken the course Geography I, but is a candidate for the degree of Bachelor of Science and has completed a Junior Mathematics course and one of Chemistry I or Physics I, may apply through the Registrar to enrol in the Intermediate Geography course, Geography II.

The department is not prepared to support applications from persons other than those who in their first year of studies have completed four junior courses above the terminating pass grade and have not subsequently failed in any intermediate courses, except in cases where special merit has been displayed in one or more subjects.

*Note:* Some courses may be rescheduled to allow for expected staff changes.

## JUNIOR AND INTERMEDIATE COURSES

### Geography I (morning or afternoon course)

The course extends over three terms with three lectures and two hours of laboratory work weekly. Morning lectures are repeated in the afternoon.

#### *Physical Geography*

A systematic approach to modern physical geography with emphasis on geomorphology.

#### *The Land and Its Use*

The study of the physical environment and its use and abuse with particular reference to Australia and the Southwest Pacific.

#### *Introduction to Human Geography*

Systematic study of location and distribution of economic activities, use of resources and development problems.

### Geography II

The course extends over three terms with three lectures and the equivalent of five hours' assignment work (which may comprise tutorials and/or individual coursework including fieldwork) weekly.

The following courses are offered:

Principles of Geomorphology

Environment and Resources

Human Geography

In addition there is an integral methods course, which will examine skills associated with the acquisition, manipulation and presentation of data used in the geographical analysis of a region. The region will be studied in the field during a compulsory one week excursion. Skills developed within courses studied in the first two terms will be applied to the collection and analysis of data obtained during the excursion.

#### **Principles of Geomorphology**

A three-term course designed to introduce students to the principles of geomorphology at three spatial scales, the global, the regional and the specific landforms of rivers.

LENT TERM: MORNING

#### *Global forms and processes*

Part 1: A global scale examination of the major earth surface landforms and the role of endogenic and exogenic processes in their formation.

Part 2: Global and regional scale coastal landforms will be used to access the role of endogenic (lithosphere) and exogenic (atmosphere and ocean) forces in shaping the coasts of the world.

TRINITY TERM: MORNING

#### *Regional landforms and processes*

Part 1: An examination of landform development in humid and arid morphogenetic regions with emphasis on the applicability of various models used to explain geomorphological phenomena.

Part 2: Cold climate environments will be studied worldwide in order to examine the impact of climate constrained processes on the development of landforms.

MICHAELMAS TERM: MORNING

#### *Rivers*

An introduction to hydrogeomorphology where the role of water in catchments and river systems is examined.

#### **Environment and Resources**

A three-term course evaluating the interaction of the physical environment and human use of the earth's surface.

LENT TERM: MORNING

#### *Introduction to environmental management*

An introduction to the principles of environmental management in geography examining the interactions of biophysical systems and humans in processes, energy and material flows.

TRINITY TERM: MORNING

#### *Natural hazards*

An examination of the nature and impact of natural hazards including the physical bases and humanity's role in exacerbating hazards. Several specific hazards, their relation to humans, and management, are studied in some detail.

MICHAELMAS TERM: MORNING

#### *Resources: perception, evolution and uses*

Australia and the neighbouring region, with emphasis on floods, droughts and other hazards and their relationship to resource evaluation; issues in regional planning.

#### **Human Geography**

A three-term course introducing the principles of human geography.

LENT TERM: AFTERNOON

#### *Economic geography: the earth and its resources*

Distribution of earth's resources and a study of principles underlying society's spatial economic patterns.

TRINITY TERM: AFTERNOON

#### *Introduction to historical geography: peopling the earth*

The theme is the peopling of the earth. Attention is given to the historical geography of settler societies, especially Australia. Through an examination of theories of the formation of settler societies, including frontier, fragment, staple and world systems theories, a general model for the investigation of the historical geography of nineteenth century Australia is seen to emerge.

MICHAELMAS TERM: AFTERNOON

#### *Global restructuring*

This course examines the major processes which are responsible for the contemporary socio-spatial restructuring taking place at the global scale.

## SENIOR COURSES

### Geography III

This course extends over three terms with three lectures and the equivalent of nine hours assignment

work (which may be comprised of tutorials and/or individual coursework including fieldwork) weekly. All students are required to attend a 5-day field excursion in either May or August.

Three 12 unit courses are offered—Geography IIIP (Physical), Geography IIIM (Environmental) and Geography IIIE (Human). Students may elect to do one or two of these three courses. It would be assumed that those doing Geography IIIP would have undertaken Principles of Geomorphology in second year; those doing Geography IIIM would have undertaken Environment and Resources (or its equivalent in 1985) in second year; and those doing Geography IIIE would have undertaken the Human Geography course in second year. In general, lectures for Geography IIIP and IIIM will be in the morning and those for Geography IIIE in the afternoon.

To complete Geography III a student must select 3 courses, one per term. Each term course is equivalent to 4 units. Individual term courses, selected from options within IIIP, IIIM and IIIE, are to be chosen from themes or sequences that are related to the systematic development of research skills in the department. There are seven sequences that may be followed, three for IIIP, two for IIIM and two for IIIE. These sequences constitute a guide for the selection of courses. Any variation of these sequences must have the approval of the head of department.

### **Geography IIIP**

Sequence A—(Coastal Geomorphology) consists of three of:

- Coastal morphodynamics
- Coastal biogeography
- Coastal zone management
- Coastal depositional environments

or

Sequence B—(Landform Evolution) consists of three of:

- Hydrogeomorphology
- Coastal morphodynamics
- Landscape history
- Geomorphology: weathering and erosion
- Coastal depositional environments

or

Sequence C—(Biophysical) consists of three of:

- Geocology
- Coastal biogeography
- Geomorphology: weathering and erosion

### **Geography IIIM**

Sequence D—(Environmental Management) consists of three of:

- Environmental geomorphology
- Hydrogeomorphology
- Coastal zone management
- Arid zone management
- Agricultural land settlement and management
- Outdoor recreation and planning
- Advanced historical geography

or

Sequence E—(Third World Geography) consists of three of:

- Geocology
- Third world development
- Agricultural land settlement and management

### **Geography IIIE**

Sequence F—(Regional Restructuring) consists of three of:

- Industrial geography
- Urban social geography
- Urban economic geography

or

Sequence G—(Perception and Management of the Environment) consists of three of:

- Third world development
- Agricultural land settlement and management
- Advanced historical geography
- Outdoor recreation and planning

In addition, there is a term course entitled Development of Modern Geographical Thought that may be taken as part of any sequence.

### **Geography senior courses combinations**

Students may elect to do two senior courses (12 units each) in the one year, giving a total of 24 units. This year such students will be required to enrol in two of Geography IIIP, Geography IIIM or Geography IIIE. Those who have passed at least one of the courses in Geography III at honours level may proceed to an appropriate course in Geography honours. Those choosing physical topics must have majored in Geography IIIP: they may elect to do either Geography or Geomorphology honours.

Details of term courses are provided below (not all courses listed will be offered in any one year).

#### *Coastal Morphodynamics*

Relationships between coastal morphologies and the processes responsible for them. The aims are to develop an understanding of the general principles of morphodynamic adjustment, particularly as applied to the coastal boundary layer, including the shoreface, the beach, the backshore and rocky coasts.

#### *Coastal Depositional Environments*

The aims are to examine the combination of form and process interactions that produce the world's major coastal depositional environments; and to determine their Quaternary evolution through examination of their surface morphology and stratigraphy.

#### *Landscape History*

This course examines the evolution of the landscape and studies the history of landforms and vegetation in association with tectonic forces, climatic change and biological factors. It emphasises the Australasian region over time scales ranging from Holocene to the Cretaceous. Techniques of analysis include various types of radiometric and palaeomagnetic dating.

#### *Tropical Geoecology*

A study of inter-Tropic areas, especially the Philippine Islands, as environments that humans have come to inhabit along with other living things, habitats in which they gain their nourishment more or less adequately, often suffer disease and may die prematurely.

#### *Geomorphology: Weathering and Erosion*

An examination of the nature and rate of weathering processes operating on varying lithologies and in different climates, including possible effects of recent environmental changes in relation to rainfall acidity. Temporal and spatial variations in the nature and efficiency of processes in soil erosion are studied with particular reference to Australia.

#### *Hydrogeomorphology*

An analysis of water and sediment movement in channels, with adjustments caused by changing water and sediment discharges. The latter can be affected by natural climate changes or by human-induced modifications to the catchment and/or the channel.



**Coastal Zone Environmental Management**

The coastal zone provides an ideal area for the study of resources management, since virtually all the central concerns of resource management are exemplified in that zone. The structure of the course will be determined by these concerns, with the application to the coastal zone providing the central unifying theme. Critical physical systems and natural hazards in the coastal zone will be emphasised; in addition, ways in which decisions are made about resources management, and some of the models that can usefully be employed in this regard, will be assessed.

**Coastal Biogeography**

A consideration of the dynamics of plant and animal distribution in coastal environments, with particular emphasis on mangrove, sand dune and coral reef communities.

**Arid Zone Environmental Management**

Examination of the nature and distribution of aridity, responses to aridity, and human management of arid zone resources.

**Environmental Geomorphology**

This is the practical use of geomorphological concepts to solve problems where landforms are transformed and where there is some use or change to surficial processes. This course is concerned with the consequences of past human impacts and with predicting future impacts following new developments in fluvially dominated landscapes.

**Development of Modern Geographical Thought**

An appraisal of the work of individual scholars in their particular intellectual and cultural contexts in comparison with various theories of geography developed since 1859. Emphasis will be placed on the development of regional systematic geography.

**Industrial Geography**

This course examines economic restructuring and transition with respect to Australia's industrial base. Hypotheses concerning spatial restructuring are posed and examined in the national and international contexts.

**Advanced Historical Geography**

The theme is dictated by recent original geographical literature, which draws attention to the need to examine geographical imagination wherever it arises. Studies of the interpretation of literature, architecture, printing and other arts reveal a widespread concern with humanity and its natural and cultural environment in imaginative ways, which can enrich the work of the academic geographer.

**Urban Economic Geography**

Study of the major economic forces shaping urban growth; the location and change of land uses within the city; the operation of the urban property market.

**Urban Social Geography**

This course examines the theory, methodology, and findings of social geography which have emerged from the study of modern metropolitan areas. The course focuses on Sydney.

**Agricultural Land Settlement and Management**

Human-environment location studies of selected Australian and overseas agricultural settlement.

**Recreation Geography and Regional Planning**

Concepts and approaches to the geography of recreation and an examination of the state of outdoor recreational planning in Australia.

**Third World Development**

Assessment of development problems and prospects of the Third World with an emphasis on (a) the evolution of theories of development and underdevelopment, particularly their contribution to understanding of continued poverty and inequality in the Third World; and (b) urbanisation, migration, housing and industrialisation. The course will focus on the South Pacific region.

**Geography Honours**

Students who have passed one of the courses in Geography III at honours level may proceed to an appropriate course in Geography honours. Those choosing physical topics must have majored in Geography IIIP: they may elect to do either Geography or Geomorphology honours (see below).

Students contemplating honours are required to consult the head of department through Associate Professor J. Rutherford (who is generally responsible for studies in Geography IV) as soon as possible after the publication of third year results concerning choice of topic and the appointment of a staff supervisor. Preliminary work should begin shortly after the publication of these results.

Fourth year students are required to undertake formal course work during Lent term and to sit for a term examination, and also to participate in seminars throughout the year as arranged. They will be required to study original problems, working as appropriate in the field, the laboratory, libraries, and in conjunction with other university or government departments. A dissertation of not more than 10 000 words must be submitted in Michaelmas term, followed by an examination, which may include both written and oral examinations on the entire year's work.

The main physical topics at present available relate to coastal morphology and dynamics; fluvial morphology; arid zone morphology; soil morphology; deep weathering; biogeography; resource management. These topics normally require instrumented field work and laboratory work. A wide range of non-physical topics is available.

**Geomorphology Honours**

Students who enter fourth year through Geography IIIP and who choose to work on landform studies, may elect to proceed to an honours degree in Geomorphology in lieu of Geography. General course requirements are identical with those listed for Geography honours.

**GEOLOGY AND GEOPHYSICS  
JUNIOR COURSE****Geology I****6 units**

*Lectures:* A course of about 80 lectures provides a conspectus of earth sciences and includes an account of recent advances.

*Practical and field work:* One three-hour period per week is allocated to practical work, which consists of laboratory studies on topics related to preceding lectures. Several compulsory field excursions are run through the year.

**INTERMEDIATE AND SENIOR COURSES**

All intermediate and senior courses offered by the department are divided into smaller courses of equal size (course modules). By selecting different course modules some choice is available. All students should study carefully the list of course modules given below, as well as their prerequisites, and consult depart-

mental advisers as to the most suitable combinations.

A detailed timetable of course modules is available from the secretary of the department and this should also be studied as it provides an additional constraint on possible combinations of course modules.

Senior course modules		Prerequisite
3001	Advanced Field Studies .....	—
3101	Igneous Petrology .....	—
3102	Ore Deposits .....	—
3103	Micropalaeontology and Palaeoecology .....	—
3104	Sedimentary resources .....	—
3105	Sedimentology .....	—
3106	Solid Earth Geophysics .....	—
3108	Potential field analysis {	Comb. Maths II or Applied Maths II or Pure Maths II
3201	Geotectonics .....	—
3202	Metamorphic Petrology .....	—
3203	Mineralogy .....	—
3204	Regional Geophysics .....	—
3205	Biostratigraphy .....	—
3206	Advanced Igneous Petrology .....	—
3207	Ore Petrology .....	—
3208	Engineering Geophysics .....	—
3209	Geophysics of Sedimentary Basins .....	—
3210	Advanced Sedimentology .....	—
3211	Reflection Seismics .....	—
3302	Geochemistry .....	—
3303	Engineering Geology .....	—
3304	Palaeobiology .....	—
3305	Mining Geophysics .....	—
3306	Structural Analysis .....	—
3307	X-ray Mineralogy .....	—
3308	Basin Studies .....	3209
3309	Data Analysis .....	—
3310	Coal and non-metallics .....	—
3311	Petroleum Geology .....	—
3312	Advanced Metamorphic Petrology .....	—
3313	Marine Geophysics .....	Maths I
3314	Linear Systems {	Comb. Maths II or Applied Maths II or Pure Maths II

## Geology II

8 units

*Prerequisite:* Chemistry I

A course of about 220 hours (lectures and practicals).

Students undertake the following courses:

- 211 Introductory Geochemistry
- 212 Palaeontology
- 221 Petrology
- 222 Sedimentation and Stratigraphy
- 231 Structural Geology
- 232 Australian Geology

*Field studies:* All students are required to attend short field excursions as arranged, in addition to long excursions of at least one week's duration, held in the May and August vacations. Reports for these latter excursions are required.

## Introductory Geophysics

4 units

An introduction to basic geophysical theory; physical properties of rocks and categories of rocks; introduction to geophysical data and data processing; geophysical models; gravity; seismology; geomagnetism; geothermics and geodynamics. Prior or concurrent study of Geology I would be helpful.

## Geology III

12 units

A course of about 320 hours (lectures and practicals).

This is the core course in geology at the senior level. A student studying both Geology III and Geology III Advanced must include the following course modules in the course of study:

- 3101 Igneous Petrology
- 3102 Ore Deposits
- 3103 Micropalaeontology and Palaeoecology
- 3104 Sedimentary Resources
- 3105 Sedimentology
- 3106 Solid Earth Geophysics
- 3201 Geotectonics
- 3202 Metamorphic Petrology
- 3000 Field Studies

## Geology III Advanced

12 units

A course of about 320 hours (lectures and practicals).

This course permits specialisation in some branch of geology.

Students in this course will study nine modules, four in Trinity term and five in Michaelmas term. Students enrolling in this course *must consult* a departmental adviser for Geology III; advanced modules will be available in groups as follows: A, petrology; B, Economic-Metallic; C, Sedimentation-palaeontology; D, Economic-Nonmetallic.

Entry into this course is at the discretion of the head of department and is determined by the performance in the intermediate year. Geology III is a corequisite of Geology III (Advanced).

*Field studies:* All students must enrol in module 3001.

## Geophysics

12 units

A course of 320 hours of lectures and practicals which will normally comprise basic geophysics modules: potential field analysis; reflection seismics; linear systems; mining geophysics (including a compulsory excursion); data analysis; marine geophysics; seismic and signal processing; advanced mining geophysics; together with the advanced field studies module.

Students intending to enrol in Geophysics must consult with the course co-ordinator about prerequisites and mathematics background and seek approval of their course plan early in Lent term.

## Honours in Geology and Geophysics

Suitable qualified students may take honours in either Geology or Geophysics. In both degrees students are required to carry out a research project under the direction of a supervisor and submit a thesis embodying the results of this investigation.

Further details are available from the head of department from whom information regarding higher degree requirements can also be obtained.

## Mining Geology

See the Engineering Handbook for details of courses in Geology that students in Mining Engineering are required to complete.

## Geology for Civil Engineers

See the Engineering Handbook for details of courses in Geology that students in Civil Engineering are required to complete.

## DIPLOMA IN RESOURCE GEOLOGY

The Postgraduate Diploma in Resource Geology is designed to provide specialist training in applied aspects of geology. It has been introduced especially for pass graduates in geology intending to enter industry.

Candidates for the diploma are required to be graduates of the University of Sydney who have com-

pleted Geology III (Ordinary), or graduates in Bachelor of Engineering (Mining), or graduates of another university who have qualifications accepted as equivalent by the Faculty of Science and the Academic Board.

The diploma can be completed in one year, or can be spread over two years on a part-time basis.

The coursework for the diploma consists of 20 units chosen from senior and senior advanced course modules, as well as honours courses in Applied Geology and Exploration Geophysics. Certain courses in the Faculty of Engineering are also available. In addition candidates prepare a report embodying the results of a field and laboratory investigation, and undertake such field work as may be prescribed.

The courses offered in the Faculty of Engineering that may be included in the diploma are:

3.023 Engineering Mathematics.....	3 units
3.241 Soil Mechanics .....	3 units
3.251 Surveying I .....	3 units
3.301 Mining Engineering .....	3 units
3.630 Analytical Methods .....	2 units
3.460 Introductory Industrial Organisation and Management .....	1 unit
4.629 Mineral Processing .....	2 units

With the approval of the Head of Department of Geology and Geophysics, 6 units from courses offered in the Faculty of Science or in the Faculty of Engineering other than those listed above may be counted towards the diploma.

## HISTOLOGY AND EMBRYOLOGY INTERMEDIATE COURSE

### Introductory Histology 4 units

This course consists of one lecture and one three-hour practical period per week. The course is designed to give a grounding in microscopic and electron microscopic anatomy and to indicate the present lines of advance in the more basic aspects of tissue structure and function.

## SENIOR COURSE

### Histology I 12 units

The course consists of four lectures and approximately eight hours' practical work per week. The lecture course deals with selected topics in cellular biology (chosen from the fields of comparative histology, comparative chemical and causal embryology, histogenesis, cell physiology and cytology) and with special methods used in modern histological and embryological research. The practical course is designed to give a grounding in histological interpretation and in the principles of histological and embryological techniques. It includes training in selected experimental embryological techniques, in routine histological methods, histochemistry, cell fractionation, special methods of microscopy (qualitative and quantitative) and the preparation and examination of materials with the electron microscope.

### Histology Honours

Most of the student's time will be spent working on a specific research project about which a thesis must be submitted at the end of the course. Reading around selected topics in Histology and Embryology and the preparation of essays thereon are also required.

## HISTORY AND PHILOSOPHY OF SCIENCE

### Perspectives on Science and Technology 4 units

A course of about 52 lectures and 21 seminars intended primarily for students in the Faculty of Science who are qualified to take Intermediate courses. It may also be taken by students in the Faculty of Engineering. In addition, segments of the course may be taken by students from the Faculty of Arts as part of second or third year Philosophy.

### Philosophy of Science

#### *Lent term*

A survey and critique of contemporary accounts of the scientific method.

### History of Science

#### *Trinity term*

A detailed study of the Scientific Revolution, attempting to shed light on the philosophical issues raised in the first term, and exploring the relationship between the scientific and social transformations that accompanied each other.

### Social Relations of Science

#### *Michaelmas term*

An analysis of the relations between science and society in a contemporary context.

## MATHEMATICAL STATISTICS

The Department of Mathematical Statistics is concerned with the theory of probability and the mathematical methods of statistics and their applications to such problems as statistical inference, estimation, prediction, the design of experiments, the design of sample surveys and the analysis of quantitative data, affected by a multiplicity of causes or chance factors.

Courses provided by the department are designed to provide a knowledge of statistical techniques for students specialising in other fields and also to give training to those who wish to become professional statisticians, university teachers and research workers.

The standard courses given in the department are:

General Statistical Methods (first year, a terminating course in the Faculty of Arts); Mathematical Statistics II, Pass and Honours (second year); Statistical Methods (second year); an Intermediate auxiliary four-unit course in the Faculty of Science); Mathematical Statistics III, Pass and Honours (third year); Mathematical Statistics IV, Honours (fourth year).

These are all qualifying courses in the Faculty of Arts and the Faculty of Science.

The course General Statistical Methods has no formal prerequisite but knowledge of Higher School Certificate Mathematics at the 2 unit or 2 unit Mathematics in Society level is assumed.

For entry into the Mathematical Statistics II class, a student is required to have passed in Mathematics I or General Pure Mathematics (the last at credit standard) or some equivalent examination. For entry into the honours class it is desirable that a student should have reached at least credit standard in Mathematics I or a similar standard in some equivalent examination. There is no formal prerequisite for entry into the Statistical Methods class. It is expected however that most students will have passed in General Pure Mathematics.

For entry into the Mathematical Statistics III class, a student is required to have passed in Mathematical Statistics II and Pure Mathematics II or some equivalent examinations. For entry into the honours class it is desirable that a student should have reached at least credit standard in Pure Mathematics II. Students taking Mathematical Statistics III Honours, are strongly advised to take Pure Mathematics III.

All students intending to proceed to honours in Mathematical Statistics are advised to consult the Professor of Mathematical Statistics *before the end of their second year* in the faculty.

### General Statistical Methods

This course is designed primarily for students in the humanities who need some knowledge of statistical methods. It extends over the whole year at the rate of three lectures and one tutorial per week. It is intended for students with rudimentary mathematical attainments and is centred on real examples with minimal algebra.

### Mathematical Statistics II

*Pass and honours:* During Lent term, pass and honours students attend each week five lectures, one tutorial and one two-hour class for statistical calculations. During Trinity and Michaelmas terms honours students are in a separate class for part of the course.

### Statistical Methods

The course extends over the whole academic year. There are two lectures and two hours of tutorial and practical work each week. The course is designed primarily for students of biological and other sciences, who need some knowledge of statistical methods.

### Mathematical Statistics III

*Pass and honours:* All students attend six lectures, two tutorials and a practical class each week with the honours students receiving one additional module of 27 lectures. The combined pass and honours lecture course is divided into six modules: distribution theory; linear models; design of experiments; inference; multivariate analysis and stochastic processes. The extra honours module is on Markov processes and characteristic functions.

### Honours course

Courses of lectures will be given in a selection of advanced topics in the theory of probability and statistics. Students may also attend selected courses in Pure Mathematics Honours. Each student will be expected to prepare an extensive written report and give a one-hour lecture on some topic not covered in the lectures.

Ability to read mathematics and statistics in an appropriate foreign language, usually French, German or Russian is a requirement for the honours course.

## APPLIED MATHEMATICS

The Department of Applied Mathematics is concerned with the development of mathematical methods and their application in particular contexts which may arise in the Natural Sciences, Engineering, Economic or Social Sciences. The department acts both as a service department, giving training in mathematical methods to students who will specialise in other subjects, and as a department for training applied mathematicians. While mathematical rigour is

not neglected, particular emphasis is given to questions such as the treatment of observational data, the development of mathematical models which are relevant to particular contexts, and to questions of scientific inference.

### Courses offered

The department offers the course Mathematics I jointly with the Department of Pure Mathematics, providing an introductory course in Mechanics and contributing equally to the mathematical methods section of this course. For students in the Faculty of Engineering, the course Mathematics IE is offered jointly with the Department of Pure Mathematics, and the course Mechanics IE jointly with the School of Physics.

In second and higher years, in the Faculty of Arts, the department offers the courses Applied Mathematics II, Applied Mathematics III and Applied Mathematics IV.

In the Faculty of Science the department offers, in addition to the above courses, Mathematical Methods II (4 units) and Combined Mathematics II (12 units) jointly with the Department of Pure Mathematics. The 4-unit course is offered as a service for students with interests in other directions. However, the content of this course is included in Applied Mathematics II and may be taken as an optional part of Pure Mathematics II. Combined Mathematics II includes Mathematical Methods together with the non-overlapping sections of Pure Mathematics II and Applied Mathematics II. Students taking both Pure Mathematics II and Applied Mathematics II may not obtain credit for the Methods section in both courses.

Under conditions laid down by the by-laws of the Faculty of Science, students may transfer to the Faculty of Science, after completing Engineering II and may take, as qualifying courses for the BSc degree, Applied Mathematics III at the pass level (as a unit for the pass degree) or Applied Mathematics III at the honours level, and Applied Mathematics IV (for an honours degree). They may then return to the Faculty of Engineering to resume their courses for the BE degree.

All the above courses except Mathematical Methods II and Applied Mathematics IV are given at both an honours and a pass level. Applied Mathematics IV is an honours course in the Faculties of Arts and Science.

The department also provides courses in Engineering Mathematics for third and fourth year students in the Faculty of Engineering, and postgraduate courses.

### Entrance requirements and first year courses

The requirements for entry into the Mathematics I honours and pass classes are as set down under Pure Mathematics and include the following:

For entry to the Mathematics I course, a knowledge equivalent to the 3-unit Mathematics course at the HSC is assumed. Students who do not have this knowledge are required to attend a bridge course in Mathematics held in February. All students are required to register with the departments of Mathematics during the orientation period, where members of the departments will advise students whether to enrol for the pass or honours classes. Students who wish to enter the H level class should have performed satisfactorily in the 4-unit Mathematics course or at a higher standard in the 3-unit course.

The examinations consist of two 1½-hour papers at the end of each term, one on the lectures given by this department and the other on the lectures given by the Department of Pure Mathematics. Each paper is div-

ided into Sections A and B, the former being concerned with the honours course and the latter with the pass course. A candidate's result is decided on the basis of all six papers.

In the pass course, a candidate may be awarded a pass, or, if high marks are gained, a credit. In the honours course, a candidate may be awarded a mark of pass, credit, distinction or high distinction. Candidates seeking only a pass are strongly advised not to attempt the Section A of any of the papers.

Mathematics IE and Mechanics IE are corequisite courses in the Faculty of Engineering. The assumed standard of knowledge is equivalent to the 3-unit Mathematics course and the 4-unit multistrand Science course (or 2-unit Physics) at the HSC. Examinations are held at the end of each term.

#### *Second year courses*

A prerequisite to entering the pass class is a pass or better in Mathematics I, or Mathematics IE and Mechanics IE; to the honours class, normally at least a credit. In exceptional cases, however, a senior member of the department may advise a student with only a pass to take the honours course.

#### *Third year courses*

A prerequisite to entering the pass course in Applied Mathematics III is a pass or better in Applied Mathematics II or Combined Mathematics II; to the honours course, normally at least a credit in the second year honours course.

Students taking the Applied Mathematics III Honours course, and intending to seek honours in Applied Mathematics IV, are in general strongly advised to take the full Pure Mathematics III Honours course. However, after consultation with a senior staff member, students may be encouraged to take, instead of Pure Mathematics III, third year courses in Physics, Physical Chemistry or Geology.

#### *Fourth year course*

Applied Mathematics IV is an honours course and the normal entry requirement is the grade of distinction or better in Applied Mathematics III. Students who have attended the honours course in Applied Mathematics III and have obtained a credit may also be permitted to enter the fourth year course at the direction of the head of department.

Students seeking honours will be required to attend the lecture courses in Applied Mathematics IV and to present a project involving the collation of work in books or papers on some topic in Applied Mathematics. Each student is required to consult with a senior member of the department before 31 March on the selection of the topic, and the project must be completed not later than the last week of the Trinity term. The work for the project is reckoned as equivalent to the mark value of three topics or options of the year's requirements.

#### *Postgraduate courses*

Postgraduate courses in astrophysics, relativity, time series analysis and other topics are given in the Department of Applied Mathematics according to demand and availability of staff.

## **Mathematics I**

(Given jointly with the Department of Pure Mathematics.) Lectures given by the Department of Applied Mathematics will deal with vectors, particle dynamics, probability, differential equations and other selected topics from Calculus and Mathematical Methods.

## **Mathematics IE**

*(Faculty of Engineering only)*

(A 5-unit course given jointly with the Department of Pure Mathematics.) Lectures by the Department of Applied Mathematics will deal with problem solving, functions of several variables and differential equations.

## **Mechanics IE**

*(Faculty of Engineering only)*

(A 3-unit course given jointly with the School of Physics.) Lectures by the Department of Applied Mathematics will deal with vectors, statics of particles and rigid bodies, dynamics of particles and particle systems, as well as an introduction to two-dimensional rigid body dynamics.

## **Mathematical Methods II**

*(Faculty of Science only)*

(A 4-unit course given jointly with the Department of Pure Mathematics.) Vector analysis, differential equations, complex variable.

## **Applied Mathematics II**

**8 units**

### **PASS COURSE**

Methods section: As for Mathematical Methods II.

Context section: One of:

Option 1—Applied Matrix Techniques, Mathematical Computing, Numerical Methods.

Option 2—Probability or Dynamical Systems, Operations Research, Hydrodynamics.

### **HONOURS COURSE**

Stochastic Models, Dynamics, Graph Theory, Vector Calculus, Cartesian Tensors, Deformable Media, Special Relativity, Waves, Mathematical Techniques.

*Note:* The Methods Section of the pass course is also available as an optional part of Pure Mathematics II. However, it may not be counted twice by students taking both Pure Mathematics II and Applied Mathematics II.

## **Combined Mathematics II**

**12 units**

*(Faculty of Science only)*

(12-unit intermediate course)

### **PASS COURSE**

As for Applied Mathematics II Pass course together with the pass level Algebra Option for Pure Mathematics II.

### **HONOURS COURSE**

As for Applied Mathematics II Honours course together with the honours level Algebra Option of Pure Mathematics II.

## **Applied Mathematics III**

### **PASS COURSE**

Scientific inference, dynamical systems, operations research, special relativity, applications of partial differential equations, electromagnetism, random processes, biomathematics, graph theory, waves, numerical analysis.

### **HONOURS COURSE**

Scientific inference, mathematical methods, operations research, fluid dynamics, electromagnetism, dynamics, biomathematics, numerical analysis, quantum mechanics.

## Applied Mathematics IV (Honours)

The course consists of the topics: integral transforms, spherical harmonics and algebraic computing, differential geometry, wave propagation in random media, astrophysics, general relativity and cosmology, statistical mechanics, communications theory, solitons, geophysical fluid dynamics, digital signal processing, climatology, random processes, and possibly other topics.

## Engineering Mathematics

Functions of a complex variable, transforms, numerical analysis.

## PURE MATHEMATICS

The Department of Pure Mathematics provides courses with two main aims; one of these is the equipping of students with the background of mathematical knowledge, understanding and skill necessary for courses in applied mathematics, in all branches of science, physical, biological and social, and in engineering and the applied sciences generally. The other is the provision of the training in pure mathematics necessary for those who wish to make a career in mathematics, either teaching at the high-school level, teaching and research in universities, or in statistics, high-speed computation, or one of the many avenues where highly-developed mathematical ability and a thorough knowledge of modern mathematical techniques are required.

The courses offered by the department are:

- (a) The main Pure Mathematics courses:
  - Mathematics I
  - Pure Mathematics II
  - Pure Mathematics III
  - Pure Mathematics IV, Honours
- (b) One four-unit Auxiliary Intermediate course in the Faculty of Science:
  - Mathematical Methods II.
- (c) One twelve-unit Combined Intermediate course in the Faculty of Science:
  - Combined Mathematics II
- (d) One twelve-unit Senior Advanced course in the Faculty of Science:
  - Pure Mathematics III Advanced
- (e) General Pure Mathematics.

(The courses Mathematics I, Mathematical Methods II and Combined Mathematics II are taught jointly by the Departments of Pure and Applied Mathematics.)

### A. The main Pure Mathematics courses

The department provides the Pure Mathematics section of the first year course Mathematics I. This is followed by courses Pure Mathematics II, Pure Mathematics III and Pure Mathematics IV (Honours).

All these courses are qualifying courses in the Faculty of Arts and the Faculty of Science. Students in the Faculty of Engineering are required to complete parts of the courses Mathematics I and Pure Mathematics II. Under conditions laid down in the by-laws of the Faculty of Science, they may transfer to the Faculty of Science after completing Engineering II and may take, as qualifying courses for the degree of BSc, Pure Mathematics III (as a unit of the pass degree) and Pure Mathematics IV (for an honours degree). They may then return to the Faculty of Engineering to resume their course for the BE.

All the above courses, except Pure Mathematics IV, are given at both an 'H' (or honours), and a 'P' (or pass) level. For entry into the P level of Mathematics I, students are required to have completed satisfactorily the 3-unit Mathematics course at the HSC or some equivalent examination. Students who lack such knowledge are required to attend a bridge course in mathematics, held in February. For entry into the H level of Mathematics I, students are required to have a knowledge of mathematics sufficient to have enabled them to perform satisfactorily in the Mathematics 4-unit course, or at a higher standard in the 3-unit course, at the HSC examination. All students are required to register with the department of Pure Mathematics during the orientation period. Members of the department are available during the enrolment and orientation periods to advise students on selection of courses.

All students who have passed Mathematics I are eligible to proceed to Pure Mathematics II. Students who have taken Mathematics I at the H level and been awarded at least a credit or pass with merit may proceed to the H level of Pure Mathematics II; only in exceptional cases will other students be allowed to proceed to the H level.

Students who have passed Pure Mathematics II are eligible to proceed to Pure Mathematics III. Students who have taken Pure Mathematics II at the H level and been awarded a credit (or better) may proceed to the H level of Pure Mathematics III; only in exceptional cases will other students be allowed to proceed to the H level.

A number of options are available within Pure Mathematics II and Pure Mathematics III. Students taking both Pure Mathematics II and Applied Mathematics II have some degree of choice in the proportions of Pure and Applied Mathematics making up this course.

The examinations in the Pure Mathematics section of Mathematics I and in Pure Mathematics II and III are normally held at the end of each term.

The award of distinction and high distinction may be given to both the P level and H level students for outstanding merit.

**Supplementary examinations:** In the supplementary examinations, papers will be set on the work at the P(Pass) level and at the H(Honours) level. A student who sits for the honours papers at the annual examination and fails, and who, having been granted permission to do so, sits for the supplementary examination, will be required to take papers at the P level.

**Honours:** Intending honours candidates in the Faculty of Arts are required to notify the head of the department of their intention to proceed to honours before beginning Pure Mathematics II. A mark of credit or better in each of Mathematics I, Pure Mathematics II and Pure Mathematics III is the usual prerequisite for entry to Pure Mathematics IV. No student is allowed to enter Pure Mathematics IV who has not taken the H level courses in Pure Mathematics III.

Intending honours candidates in the Faculty of Science are required to notify the head of department of their intention to proceed to honours during their senior year. A mark of credit or better in each of Mathematics I, Pure Mathematics II and Pure Mathematics III is the usual prerequisite for entry to Pure Mathematics Honours. No student is allowed to enter Pure Mathematics IV who has not taken the H level course in Pure Mathematics III.

**Evening students:** Evening lectures will be given only at the P level in Pure Mathematics III.

## B. C. Auxiliary and Combined courses

These courses are available only to students in the Faculty of Science. Their purpose is to extend the range of options in Pure and Applied Mathematics in the intermediate year. Mathematics I is a prerequisite for both courses.

Mathematical Methods II is a four unit course. It does not qualify for entry into Pure Mathematics III and cannot be taken in conjunction with Applied Mathematics II. (The lecture courses in Mathematical Methods II are all available as options within Pure Mathematics II; they are a compulsory part of Applied Mathematics II.)

Combined Mathematics II is a twelve unit course. It consists of the Applied Mathematics II course together with algebra options from Pure Mathematics II. It qualifies a student for entry into both Pure Mathematics III and Applied Mathematics III.

## D. Pure Mathematics III Advanced

This twelve unit senior advanced course is available only in the Faculty of Science. Its purpose is to provide additional instruction in mathematics at senior level for able students. It can be taken only with the express permission of the head of department. Pure Mathematics III (at H level) is a corequisite. Intending candidates should consult the head of department about the programme of study.

## E. General Pure Mathematics

This course is designed to give a background of mathematical understanding and skill to students who wish to take only one year's mathematics in preparation for the work of their major courses.

Students should note that this course is entirely distinct from Mathematics I. After the first week of Trinity term, transfer from one to the other will not be permitted.

Students entering the course are assumed to have a knowledge of Mathematics which would have enabled them to perform satisfactorily in the 2 unit course at the HSC or some equivalent examination. Students who do not have the required assumed knowledge are invited to attend a bridge course held in February.

The course counts as a single first year course in the Faculties of Arts and Science.

It does not qualify for entry to Pure Mathematics II and cannot be counted as a qualifying course together with Mathematics I. However, students with a distinction or with a credit and the permission of the head of the department may proceed to Pure Mathematics II and/or Mathematical Statistics II after consultation with the respective departments.

## Courses

Information booklets on courses, arrangements for lectures and tutorials, etc. are available from the Department of Pure Mathematics at the beginning of the year. There are separate booklets dealing with first, second and third years. These give considerably more detail about course content and options than provided here. Lists of text and reference books, when not specified in the information booklets, are also available from the department.

## FIRST YEAR COURSES

### Mathematics I

PURE MATHEMATICS

Day: Three lectures a week. In addition there is a tutorial class each week for each student.

Differential and integral calculus, algebra.

## General Pure Mathematics

Four lectures a week and two tutorial hours.

Algebra, calculus, numerical analysis, statistics.

## SECOND YEAR COURSES

### Pure Mathematics II

Day: Five lectures a week; there are tutorials and assignments in each course option.

*P level options:* Discrete mathematics, complex variables and partial differential equations, differential equations and Fourier series, functions of several variables, linear algebra, matrix theory and applications, real analysis, group theory, vector calculus.

*H level options:* Functions of several variables, group theory, linear algebra, real analysis.

### Mathematical Methods II

Three lectures a week; one tutorial class for each student every week.

The course covers the following P level options from Pure Mathematics II: Complex variables and partial differential equations, differential equations and Fourier series, vector calculus.

### Combined Mathematics II

This course is given jointly by the departments of Pure and Applied Mathematics for students who wish to proceed to either Pure Mathematics III or Applied Mathematics III but who do not wish to study both Pure Mathematics II and Applied Mathematics II.

## THIRD YEAR COURSES

### Pure Mathematics III

Day: P level: six lectures and two tutorial periods a week; H course: eight lectures a week. Evening: Three periods of two hours each a week (P course only). The full range of options below will be given provided sufficient resources are available.

*P level options:* Combinatorial theory, complex variable, geometry, history of mathematical ideas, mathematical statistics, number theory, differential equations, real variable, logic, theory of rings and fields, topology.

*H level options:* Algebra 1, algebra 2, combinatorial theory, Lebesgue integration, complex variable, topology.

### Pure Mathematics III Advanced

A programme of study is arranged in consultation with the head of department.

## HONOURS COURSE

### Pure Mathematics IV

In addition to attending lecture courses (details of which are available from the department at the beginning of the year), students are required to prepare an hour's lecture, and write an essay on an approved topic. Ability to read mathematics in at least two of the four languages French, German, Russian and Italian is a requirement for the honours course.

## MARINE SCIENCES

### Introductory Marine Sciences

4 units

Intermediate introductory course.

Introduction to oceanography and its history; the morphology, geology and history of the continental shelves, continental slopes and ocean basins; ocean properties and circulation; ocean-atmosphere and ocean-sea floor relationships; physical processes affecting the coastal zone; chemical cycles within the

oceans; major biological systems of the oceans and their evolution; biological adaptation.

### **Marine Sciences 12 units**

This course is particularly for senior students of biology, geology, geography or mathematics who are interested in the marine sciences. It can, however, be taken together with a senior course in any other subject. It is essential to have completed Introductory Marine Sciences before entry to Marine Sciences. No special requirement of first-year courses is laid down. The course is organised by the Department of Geology and Geophysics. All enrolments must be approved by the head of that department.

Within the course options are available in each term. Students are encouraged to select those in which they have a particular interest, subject to the unavoidable requirement in some cases that they have completed some prior study in that subject area. The options, with the prerequisite study additional to Introductory Marine Sciences indicated in parentheses, are:

#### *Lent term*

- L.1. Coastal Morphodynamics  
OR
- L.2. Marine Botany  
OR
- L.3. Dynamical Oceanography (Physics I and Mathematics I)

#### *Trinity term*

- T.1. Coastal Zone Management  
OR
- T.2. Marine Zoology (Biology II (Animals))  
OR
- T.3. Marine Geology (Geology I)  
OR
- T.4. Shelf and Estuarine Oceanography (Physics I and Mathematics I)

#### *Michaelmas term*

- M.1. Coastal Depositional Environments  
OR
- M.2. Marine Ecology (Biology II (Animals))  
OR
- M.3. Waves and Tides (Physics I and Mathematics I)  
OR
- M.4. Marine Biochemistry and Plant Physiology (Biology II (Plants) or Biochemistry Auxiliary)

### **Marine Science Honours**

The structure of the course will be about one-third formal coursework, seminars and reading, and about two-thirds devoted to preparation of a thesis on a topic with a clear marine or estuarine orientation. The formal coursework may comprise courses chosen mainly from existing honours course options offered in the department of the student's principal interest. Background study in a subsidiary field of interest may be required depending on circumstances.

Thesis work will commence in February and continue to November.

In general, a credit or better in Marine Sciences and another senior course are required for entry.

Students interested in taking the course should discuss this with the course coordinators of Marine Sciences, preferably during Michaelmas term and otherwise as soon as possible after publication of the third year examination results. Arrangements for their supervision and department of primary location

will be made in the light of their proposed thesis topic. Upon acceptance, students should register formally with the Director of the Marine Studies Centre.

#### *Postgraduate study*

Details concerning fields of postgraduate study in Marine Science, courses offered for postgraduate students, and admission requirements may be obtained on application to the Director of the Marine Studies Centre.

## **MICROBIOLOGY INTERMEDIATE COURSES**

### **Microbiology I 8 units**

Microbiology I provides a basic understanding of most facets of microbiology for (a) students who wish to do only one year's study in the subject and (b) students who wish to specialise in the subject.

The course consists of 3 lectures and 5 hours of practical work per week. The topics covered include basic methodology, study of the main groups of microorganisms with emphasis on bacteria and viruses; growth metabolism and genetics; applied microbiology (food and industrial; ecology) and microbial pathogenicity including immunology.

### **Microbiology I Auxiliary 4 units**

This is an alternative intermediate course of 2 lectures and 3 hours practical in Lent, and 1 lecture and 2 hours of practical in Trinity and Michaelmas terms. But students taking this course cannot proceed to Microbiology II.

## **SENIOR COURSE**

### **Microbiology II 12 units**

A course of 90 lectures and 240 hours of practical work organised into three concurrent themes:

Theme 1: Molecular microbiology—bacterial structure and function, microbial differentiation, prokaryote evolution and taxonomy, recombination, phage, genetic regulation, and bacterial physiology.

Theme 2: Environmental and medical microbiology—microbial ecology, plant-microbe interactions, medical bacteriology, and virology.

Theme 3: Biotechnology—recombinant DNA, microbial growth, industrial microbiology, food microbiology, and serology.

The practical course complements the lecture course and includes project work and excursions to industrial, medical, and research institutions.

### **Microbiology Honours**

Candidates for the honours degree in Microbiology are required to undertake a research project in some more advanced aspect of this subject. Additional course work may be prescribed. Students wishing to study for the honours degree should consult the head of the department by the end of the previous year.

## **PHARMACOLOGY**

### **Introductory Pharmacology 4 units**

Prerequisites: Biology I, Chemistry I.

This is an elementary course covering general scientific principles of drug action. It is designed both as an introduction to Pharmacology I for students intending to study the subject in some depth, and also to provide an outline of the subject for those intending to follow related disciplines such as Physiology, Biochemistry or Psychology.



## Pharmacology I

This senior course provides a comprehensive study of classes of drugs, and includes pharmacokinetics, molecular pharmacology, toxicology and social aspects of drug use. The practical course is related to the classes of drugs studied systematically and illustrates drug actions upon isolated animal tissues, whole animals and human beings.

Selected students may be permitted to study Pharmacology Advanced, a 24-unit course, instead of Pharmacology at the normal level.

Subject to a satisfactory standard being shown in Pharmacology a student may arrange to read for the honours degree in this subject. In this case much of the work will be arranged to suit the main interests of the individual, and the student will also be expected to participate in a research project in progress in the department.

## PHYSICS

### JUNIOR COURSES

#### Physics I

6 units

Students in Physics I are divided into different streams with separate examinations.

The course Physics I is designed for students who need a firm background in fundamental physics for their further studies.

The course Physics I (Life Sciences) is designed for students whose prime interest is in the biological sciences and who intend taking only one year of Physics. It is a terminating course.

**Lectures:** Courses of three lectures per week throughout the year in mechanics, thermal and mechanical properties of matter, electromagnetism, waves, and optics. The Physics I (Life Sciences) course also includes a section on ionising radiation.

**Experimental course:** A laboratory course of three hours per week throughout the year.

**Faculties of Medicine, Dentistry, Veterinary Science and Agriculture students:** Such students are required to follow the course Physics I (Life Sciences).

### INTERMEDIATE COURSES

#### Physics II

8 units

*Faculties of Arts, Science and Engineering*

This course may be taken at two levels, the pass or distinction (D) levels, and examinations are held at the corresponding standards. For admission to Physics II, students must have passed in Physics I and in Mathematics I.

For admission to Physics IID students must have passed in Mathematics I and in Physics I at a sufficiently high level. Students wishing to take advantage of this provision should consult the Faculty of Science handbook. Attention is directed to requirement for admission to Physics III (see under Physics III).

**Lectures.** There are four lectures per week throughout the year in modern physics, quantum physics, electricity theory, electromagnetic theory, thermodynamics, semiconductor physics (astronomy is an alternative to this in the pass class), oscillation theory (D class only).

**Laboratory work.** All students are expected to attend a laboratory course of four hours per week.

Students not reaching the required standard in Physics IID may be given a pass in Physics II.

## SENIOR COURSES

### Physics III

12 units

*Faculties of Arts and Science*

This course may be taken at the pass or distinction (D) level. The latter is designed primarily for students who intend to proceed to Physics IV (Honours). In general, only students who obtain credit or distinction in Physics IID are permitted to enter Physics IV.

Passes in Physics II and any intermediate Mathematics course are prerequisites for entry into Physics III. Students wishing to enter Physics IID must have passed Physics IID and Pure, Applied or Combined Mathematics II.

Physics IID students not reaching the required standard may be given a pass in Physics III.

**Lectures.** In Physics III there are five lectures per week throughout the year in modern physics, electromagnetic theory, electronics, solid state physics, history and philosophy of science. A series of options is organised in Michaelmas term.

In Physics IID there are five lectures per week in electromagnetic theory and optics, quantum mechanics, electronics, statistical mechanics, atomic physics, and *two out of* nuclear physics, solid state physics, instrumentation, and plasma physics.

In both courses a compulsory exercise on one of the lecture series is set each week; and an essay is required in Michaelmas term. All students must attend a laboratory course of about seven hours per week throughout the year.

### Physics Honours

Students of sufficient merit may be admitted to a fourth year honours course comprising a research project and formal coursework. They must devote their whole time to work in connection with Physics to the satisfaction of the Faculty of Science. Except with permission of the head of school, Mathematics III and Physics IIIB are prerequisites.

The research project is undertaken within one of the research departments. A written report on this work is required.

The coursework consists of lectures and reading, as prescribed, on quantum mechanics, statistical mechanics, electromagnetic theory, cosmic rays and particle physics, physics of the solid state, plasma physics, astrophysics, and other topics. Students with a strong mathematical background may be permitted to specialise in theoretical physics.

## PHYSIOLOGY

This subject is studied in the second, third and fourth (honours) years.

### INTERMEDIATE COURSES

#### Physiology I

8 units

This course consists of three lectures, 1 tutorial and four hours' practical work per week throughout the year. Students intending to proceed to Physiology II must take (i) either Biochemistry I or Biochemistry I (Auxiliary) or Agricultural Chemistry I, (ii) Introductory Histology or Introductory Anatomy.

#### Physiology I Auxiliary

4 units

This course is intended for students who require some physiological background but who do not intend to major in Physiology. It may not be taken with Physiology I. The course consists of three lectures per week, and an average of one hour per week is taken up with tutorials, films, demonstrations and practical classes.

**SENIOR COURSE****Physiology II****12 units**

This course consists of lectures, laboratory and tutorials closely coordinated during 12 hours per week.

**Physiology Honours**

During the fourth year no formal course of lectures is provided, but students are given a physiological problem to investigate. This problem usually represents a small facet of one of the major current research projects within the department and students work in collaboration with members of the staff. Each student writes a thesis embodying the results of his work.

**PSYCHOLOGY****Psychology I**

Three lectures and two hours of practical-tutorial work each week. Two essays. Students are assessed periodically on practical work done in tutorials and there is an examination at the end of each term. Students are encouraged to participate as subjects in current departmental research projects, as a supplementary form of practical work.

The course is intended to be a general introduction to the main topics and methods of psychology, of use to those not proceeding with the subject as well as a basis for advanced work. It deals with the nature and methods of psychology, biological bases of behaviour, intelligence and its assessment, personality theory, perception, learning, cognitive processes, motivation and social psychology.

**Psychology II**

Students elect to take either Psychology IIA or Psychology IIB. Only one of these courses will be credited towards a single degree.

*Psychology IIA* is designed for students who wish to proceed to Psychology III, as well as for all honours or distinction students: it may be taken by students who do not wish to proceed to Psychology III. Three lectures and four hours of practical-tutorial work each week. The class work includes essays and reports of practical or laboratory work done under supervision. The topics covered are cognitive processes, learning, motivation, perception, personality and statistics.

*Psychology IIB* is a terminal course designed for students who do not wish to proceed to Psychology III and is not available to honours or distinction students. Three lectures and up to three hours of practical-tutorial work each week. The class work includes essays and reports of practical or laboratory work done under supervision. The topics covered are abnormal psychology, developmental psychology, personality and social psychology.

**Psychology III**

Four or five lectures and up to five hours of practical-tutorial work each week. The class work includes essays and reports of practical or laboratory work done under supervision. The topics covered include the history and philosophy of psychology (required of all students) and such options as method (honours or distinction students are required to take all 3 method options), abnormal psychology, cognitive processes, computer applications, developmental psychology, environmental psychology, human performance, individual differences, learning and motivation, nature/nurture controversy, perceptual systems, psychobiology, psycholinguistics, psychological assessment, social psychology.

Students who are taking or have taken *both* the

Child Growth and Development A and B options in Education II will not be able to take the Developmental Psychology Major Option in Psychology III.

**Psychology IV (Honours)**

Students are required to (a) devise, conduct, and report upon an empirical research project, (b) write a theoretical thesis, and (c) attend one lecture course and two seminar courses, and, for one term, two method courses. The areas of psychology in which these activities may occur depend on the interests and specialities of staff members.

**SOIL SCIENCE****INTERMEDIATE COURSES****Soil Science I (Auxiliary)****4 units**

A terminal course in introductory soil science of 108 hours. The lectures and practicals run concurrently with the course given to Agriculture II (81 hours) students and the Soil Science component of Agricultural Physics (27 hours).

Surface Energy Balance;  
Micrometeorology;  
Soil physical and mechanical properties;  
Soil chemistry;  
Origin and development of soils.

The practical demonstration programme is dominated by the field and laboratory description of Australian soils; and by measurements of the physical environment close to the ground surface. Each topic, where appropriate, will include a discussion of its biological consequences.

**Soil Science I****8 units**

The course consists of:

(a) Lectures, practicals and field excursions, which run concurrently with the courses given to (i) students in second year agriculture (81 h) and (ii) the Soil Science component of Agricultural Physics in first year Agriculture (32 h). (These courses constitute Soil Science I Auxiliary.)

(b) The course given to third year Agriculture students including 27 lectures on: laboratory and field methodology; soil survey; aerial photograph interpretation; soil geomorphology; soil classification; land evaluation for rural purposes.

In addition, 27 hours of practicals on the commoner physical and chemical description of field soils, with special emphasis on the reliability and interpretation of the data produced.

Five days, the last week of August vacation, at Camden, spent on profile descriptions, soil mapping, aerial photo analysis, methods of sampling, use of tensiometer, piezometer and theodolite.

(c) Additional laboratory and numerical exercises (9 h).

Each topic, where appropriate, will include a discussion of its biological consequences.

**SENIOR COURSES****Soil Science II****12 units**

The course has three major components that develop the concepts introduced in Soil Science I.

Advanced soil physics  
Advanced soil chemistry  
Advanced methodology

**Soil Science Honours**

This course consists of several parts:

(i) Supplementary lectures and seminars in Pedology and Soil Colloids.

(ii) Courses selected from Agricultural Chemistry, Agronomy, Biometry, Botany, Physical Chemistry, Geology, Mathematics, Soil Mechanics, Soil Microbiology, etc.

(iii) A small amount of field work performed under direction.

(iv) A project in one branch of Soil Science.

## BACHELOR OF PHARMACY

### FIRST YEAR

In first year students attend the courses of instruction and pass examinations in Chemistry I for Pharmacy, Mathematics I for Pharmacy, Biology I for Pharmacy and Introductory Pharmaceutical Science.

### Biology I for Pharmacy

There are 48 one-hour lectures and 116 hours of tutorials and practical work over two terms.

The course embraces 4 units of the 6 unit course Biology I (HUSEB) plus supplementary Human Anatomy and Physiology.

### Chemistry I for Pharmacy

There are 108 one-hour lectures and 25 one-hour tutorials over 3 terms.

The course overlaps substantially with the Chemistry I 6-unit course. The Chemistry I treatment is extended and additional pharmaceutical topics and examples are added.

There are 3 hours of practical work per week throughout the year (81 hours).

### Mathematics I for Pharmacy

(a) Pure mathematics, 36 one-hour lectures and 18 hours of tutorials over 2 terms.

(b) Statistics, 36 one-hour lectures and 18 hours of tutorials over 2 terms.

The statistics course is given in the Department of Mathematical Statistics.

The pure mathematics course covers measurement of physical quantities, differentiation and integration (with emphasis on linear, exponential and logarithmic, polynomial and period functions), functions of more than one variable, differential equations.

The statistics course covers descriptive statistics, elementary probability theory, sampling methods, statistical inference, non-parametric tests, correlation and regression.

### Introductory Pharmaceutical Science

The teaching in this course is shared between the Departments of Pharmacy and Microbiology.

The major part of the course, equivalent to five units, is given by the Department of Pharmacy and includes approximately 70 lectures, 17 tutorials and 48 hours of practical work. Some of the topics covered in this part of the course represent an extension of the scientific material dealt with in other first year courses, particularly Chemistry IPH, and include studies of the properties of drugs in solution, reaction kinetics, disperse systems and instrumental methods of analysis. There are also other topics directly related to the profession of pharmacy, including the properties of materials used in pharmacy, plants as sources of drugs and an introduction to the design of dosage forms.

The remaining part of the course consisting of one unit, is given by the Department of Microbiology. This provides information on the biology of bacteria and skills in working with bacteria additional to that given in the HSC Biology I course.

## SECOND YEAR

In second year students attend lectures and laboratory work in the following subjects:

### Pharmaceutics I

*Theory* (66 lectures, 21 tutorials): Phase equilibria, distribution between phases; complexation; solids technology; diffusion; surface activity, micelle formation and solubilisation; emulsions; suspensions; semisolids; drug stability. Review of micro-organisms; microbial contamination and contamination control; sterilisation processes; antiseptics and disinfection. Gastrointestinal absorption from dosage forms; methods of studying gastrointestinal absorption; bioavailability.

*Practical* (135 hours): Pharmaceutical microbiology, dose forms, physical pharmacy and dispensing.

### Pharmaceutical Chemistry I

This course consists of 81 lectures, supported by tutorials and practical exercises, based upon the shape, size and physical characteristics that determine the biological activity of organic molecules. The principal topics include stereochemistry and structure/activity relationships; drug/receptor interactions and drug metabolism; mechanisms of drug decomposition and quantitative analysis; drug design, cardiovascular drugs and chemotherapy.

### Pharmacology I

A course of approximately 54 lectures will be given throughout the year, correlated with a scheme of about 54 hours of practical laboratory exercises. The course covers basic scientific principles underlying the use of drugs in therapeutics, the nature of receptors, how drugs work and the problems associated with their use. The lecture course will also cover the detailed pharmacology of a number of specific drug classes.

A list of recommended textbooks will be supplied to students. There will be an objective examination at the end of Lent and Michaelmas terms.

### Physiology

80 lectures and 14 tutorials. The course will include lectures on principles of physiology, nerve and muscle, circulation, respiration, endocrinology, renal physiology, sensory physiology, reproduction, blood, digestion, skin, ageing and pathophysiology.

### Biochemistry

*Lectures:* Three lectures throughout the year dealing with the following topics:

Cell structure and composition. Structure, properties and biological significance of proteins, nucleic acids, lipids and carbohydrates. Enzymes, biological oxidations, digestion. Metabolism of carbohydrates, and lipids. Metabolic control. Nucleic acid and amino acid metabolism. Biochemical genetics and protein synthesis. Self assembly systems, antimetabolites. Nutrition, tissue biochemistry, hormones, gene expression, immunology, clinical chemistry.

*Laboratory work:* There would be six hours per week for four weeks of Michaelmas term.

## THIRD YEAR

The senior courses allow a measure of specialisation and flexibility for study. Students are required to complete a total of 28 units, of which 20 are from required or core courses. The remaining eight units are made up by the selection of two elective courses, each of four units, from those offered.

**(a) Core Courses****Pharmaceutical Chemistry II**

*Theory:* A course of 54 lectures and 6 tutorials on the subject of medicinal chemistry.

Topics include immunology; genetic engineering pharmacogenetics; chemotherapy of parasitic diseases and cancer; immunosuppressant drugs; steroids and peptide hormones, and autacoids such as the prostaglandins, thromboxanes and leucotrienes; photobiology. Emphasis is placed on the chemical and physical properties of the drug with respect to its chemical stability, its fate in the body and the biochemical basis of its pharmacological action. Where appropriate quantitative and qualitative structure-activity relationships will be discussed with respect to these aspects of the drug's activity.

*Practical:* The practical course (6 hours per week for 8 weeks) is designed to acquaint students with both laboratory based and library based research methods for determining drug profiles i.e. the physical, chemical and biological properties and therapeutic usage of selected drugs.

**Pharmaceutics II**

*Theory:* 63 lectures, 6 tutorials.

Fundamental concepts of pharmacokinetics: mass balance principle; elimination, extraction ratio, clearance; bioavailability, calculation of infusion rates, first pass effect; volume of distribution; i.v. bolus kinetics, duration and intensity of drug action; kinetics following extravascular doses; metabolite kinetics; renal excretion; hepatic elimination; tissue distribution; plasma protein binding. Calculation of multiple dose regimens, clearance method, half-life method. Pharmacokinetics and biopharmaceutics of selected drug classes, including antibiotics, cardiovascular agents, analgesics, bronchodilators, anticonvulsants and anticoagulants. Formulation and biopharmaceutical aspects of dosage forms; parenteral; rectal; percutaneous; ophthalmic; tablets; capsules; aerosols. Forensic pharmacy; legal principles and drug law especially relating to prescription practice.

*Practical:* 66 hours. Tableting and prescription practice.

**Pharmacy Practice**

81 lectures, 54 tutorials

The nature of such diseases as disorders of the cardiovascular, respiratory, renal, gastrointestinal, hepatobiliary, haemopoietic, nervous and endocrine systems, psychiatric disorders, disorders of the joints and connective tissues, nutritional and metabolic disorders, disorders due to hypersensitivity and altered immune response, disorders caused by biological agents, disorders of the skin, eye, ear, nose and throat.

The treatment of disease with pharmacological agents, on a basis of knowledge of pharmacology, medicinal chemistry, biopharmaceutics and pharmacokinetics, with reference to selection of agents; routes of administration; dosage; precautions; alternatives; limitations; the mechanism, detection and prevention of significant adverse reactions; and drug interactions.

**Pharmacology II**

The course in third year includes both a lecture course and a practical course. There will be about 54 lectures throughout the year, and there will be two terms of practical classes totalling approximately 108 hours. The content of the course will follow sequentially from that of the intermediate course, and the follow-

ing general areas will be covered: classification and mode of action of analgesic and related drugs; of drugs affecting the cardiovascular system and blood; of diuretics; of drugs affecting the skin; of chemotherapeutic drugs used to treat infections of bacteria, protozoa, helminths, viruses and fungi; and of drugs used in the treatment of hypertension, migraine, gout, asthma, anxiety.

Practical classes are geared as much as possible to a study of drugs and man. The course is structured so as to underpin much of the lecture course, and to give students a concept of how drugs can affect both human and animal behaviour. There will be progress examinations held at the end of Lent and Michaelmas terms (1 hour objective).

The student will be required to keep adequate records of practical work which will be assessed in conjunction with the examinations. Practical work will be worth 25 per cent of the year's mark.

**(b) Elective Courses****Toxicology**

54 lectures, 54 hours of practical work.

There will be four 18-lecture series under the following headings:

- (a) General toxicity testing
- (b) Systematic organ toxicity
- (c) Biochemical mechanisms of toxicity
- (d) Toxicological applications in analytical chemistry

Students are required to complete sections (a) and (b) and either (c) or (d).

Laboratory work will be related to these topics.

**Industrial Pharmacy**

41 lectures or lecture/tutorials and 10 days' practical experience.

The lecture course will consist of the following sections:

- (a) Registration of therapeutic substances (9 lecture/tutorials);
- (b) Industrial management (14 lecture/tutorials);
- (c) Topics in analytical chemistry (18 lectures);
- (d) Formulation and dosage-form design (12 lecture/tutorials and some associated practical work).

Students are required to complete sections (a) and (b) and either (c) or (d).

The practical experience consists of a period of two weeks to be spent in a pharmaceutical company and students may be required to take this experience during the August vacation.

**Biopharmaceutics**

Three two-unit segments are offered from which any two may be chosen:

- (a) Applied biopharmaceutics and pharmacokinetics (18 lecture/tutorials, and 36 hours laboratory work);
- (b) Formulation and dosage-form design (18 lectures/tutorials and 36 hours laboratory work);
- (c) Computer programming in FORTRAN (54 hours tutorial/practical sessions).

**Community and Hospital Pharmacy**

60 lectures, 21 hours of practical/tutorial work and 80 hours of experience in professional environments.

The course consists of the following sections:

- (a) Special topics in community health (27 lectures);

- (b) Management in professional pharmacy (27 lectures);
- (c) Experience in community pharmacy and in hospital pharmacy under the supervision of practising pharmacists (80 hours);
- (d) Communications and counselling in pharmacy (9 tutorials);
- (e) Computers in pharmacies (6 lectures and 12 practical hours).

### Pharmacy Honours

In order to qualify for admission to an honours course candidates shall have qualified for the award of a pass degree and be considered by the faculty and the head of the department concerned to have the requisite knowledge and aptitude for an honours course.

Suitably qualified candidates may be admitted to the honours course in one of the following subjects:

- Pharmaceutics;<sup>1</sup>
- Pharmaceutical Chemistry;<sup>1</sup>
- Pharmacology;

All honours students taking courses in the Department of Pharmacy are required to attend courses in instrumental methods of analysis.

During the Trinity and Michaelmas terms the student is required to attend elective courses relating to the subject of the honours degree, and to carry out laboratory projects designed to provide experience in the experimental techniques relating to research in that area of interest. An essay on a designated topic must be submitted before the end of September and students are expected to participate in departmental seminars.

The award of the degree is based on:

- (i) written papers during the year;
- (ii) oral examinations taken at the end of Lent and Trinity terms;
- (iii) marks awarded for the essay, practical exercises and project reports or thesis;
- (iv) level of passes gained in the second and third year examinations.

<sup>1</sup> These courses are given in the Department of Pharmacy.

## Faculty of Veterinary Science

### FIRST YEAR

#### Introductory Veterinary Science

A course of 4 lectures taken by all students in First Year. Lectures are given on the work of the faculty, the role of the veterinary profession in society, students' extramural work and the use of the library.

#### Introductory Biology

A course of 36 lectures on aspects of biology, which serves as a basis for, and supplements other courses in, Veterinary Science.

The lecture topics are: Invertebrates (10 lectures); Comparative Anatomy and Physiology (15 lectures); *Plant Structure and Function* (6 lectures); and Ecology (5 lectures). During Lent term three laboratory classes are held on invertebrate and vertebrate work.

#### Chemistry

Chemistry I (Life Sciences) is a three-term course specially designed to suit the needs of the student who requires a good general grounding in chemistry, and who will subsequently undertake a study of such subjects as biochemistry and physiology. It covers chemical theory, inorganic, physical, and organic chemistry with many examples from biological areas. The course presupposes a satisfactory prior knowledge of the Chemistry component of the Science 3 unit HSC course.

**Lectures:** A course of 42 lectures in Inorganic and Physical Chemistry and 27 lectures in Organic Chemistry, with many illustrations from biological areas.

**Practical work:** A course of 17 three-hour sessions given in the first two terms.

#### Physics I (Life Sciences)

Three-term course to suit students who will subsequently study Physiology. Topics include forces and energy, thermal physics, optics, ionising radiation, electricity, and properties of matter.

#### Veterinary Anatomy

Veterinary Anatomy is a study of the anatomy of the domestic animals, including the horse, ox, sheep, pig, dog, cat and domestic fowl.

#### Veterinary Anatomy I

Veterinary Anatomy I is given to First Year students. The course consists of 54 hours of lectures and 72

hours of dissection classes. The course includes a basic study of embryology and a detailed systematic anatomical study of the dog.

### **Veterinary Histology I**

A first year course of three hours per week concerned with the morphology of cells, tissues and some of the organs.

### **Biometry**

An introductory course of 27 lectures and 18 hours' practical work, which considers problems of statistical design and analysis encountered in research in the biological, agricultural and veterinary sciences. In practical classes, the computer package MINITAB is used extensively to analyse experimental data.

The course covers: describing biological data and variability in statistical terms; some theory of sampling and estimation, with practical considerations such as randomisation and replication; framing biological hypotheses; theory of hypothesis testing; estimating and testing a single treatment mean via a t-test, and extending to tests of two or more treatment means via an F-test; practical experimental design; the concept of experimental units; controlling variability in experimental material by pairing and blocking; applications of the analysis of variance of completely random and randomised complete block designs; examining the linear relationship (regression, correlation) between two biological measurements, with particular application to dose-response curves.

### **Animal Husbandry**

Students are required to undertake eighteen weeks' extramural training to gain practical experience in livestock husbandry. This is to be undertaken after commencing the veterinary course. The practical work is carried out on practical farms and stations, at the University Farms, Camden, and at the faculty Horse Unit, Camden. In addition, a seven-day residential course at Orange Agricultural College is to be completed.

Students are required to demonstrate their proficiency in the handling of horses and cattle before they enter Fourth Year.

A course of 45 lectures and one day weekly for one term at the University Farms, Camden, where students are given training in animal husbandry. Practical work will be taken by all students, including repeat students, and will be examinable.

The lecture course includes: horses—their characteristics and management; cattle, sheep, pigs and poultry—the animal industries in Australia, management, production of meat, milk, wool, and eggs; wool—wool and its qualities; cats, dogs, and small animals—breeds and their management.

## **SECOND YEAR**

### **Animal Nutrition I**

A course of 36 lectures in Trinity and Michaelmas terms is concerned with the principles and practice of nutrition.

### **Animal Genetics**

A course of 49 lectures designed as a general introduction to those aspects of genetics relevant to veterinarians. The first section (Genetics and Animal Disease) covers biochemical disorders, chromosomal abnormalities, non-Mendelian familial disorders, immunogenetics, pharmacogenetics, genetic vari-

ation in pests, parasites and pathogens, and genetic and environmental control of disease. The second section (Genetics and Animal Improvement) covers relationship and inbreeding, variation and heritability, breed history and structure, selection, and crossing.

### **Veterinary Anatomy II**

The course consists of 63 hours of lectures and 162 hours of dissection classes. It covers the topographical and comparative anatomy of the horse, ox, sheep, pig, cat and domestic fowl. An integrated course in neuroanatomy and clinical neurology is presented in Michaelmas term.

### **Veterinary Histology II**

Veterinary Histology will be taught in Lent and part of Trinity term, being a continuation of the First Year course. It concludes the instruction begun in First Year.

### **Pastoral Botany and Agronomy**

Pastoral Botany consists of 9 practical classes each of 2 hours. It includes the identification of pasture grasses, legumes and weeds and the common poisonous plants. A plant collection is part of the course.

Pastoral Agronomy, a course of 18 lectures, covers the agronomic and ecological principles of production and utilisation in native and sown grassland communities. Pasture growth and environment, pasture quality, substances injurious to animal health; pasture improvement and management.

### **Veterinary Physiology I**

Instruction in veterinary physiology is given in Second and Third Years.

The course introduces some of the principles that are fundamental to the study of physiology; it studies the composition of the internal environment and some of the properties of excitable cells and tissues; it includes a consideration of the nervous, cardiovascular, respiratory, renal, digestive, cutaneous and endocrine systems with particular emphasis on their role in regulation of the internal environment.

Practical classes are conducted throughout the year. These classes, as well as exemplifying and augmenting material presented in lectures, provide some material for the first time. Practicals include experiments, self-instruction material, lecture demonstrations, films and discussion periods. Students work in small groups in most practical classes and keep detailed records of their results. It is necessary to purchase a course handbook from the department in the first practical class and obtain a set of surgical instruments from the Veterinary Students' Society by the second week of Lent term.

This portion of the course comprises about 72 hours of lectures and 108 hours of practical work.

### **Biochemistry**

The Biochemistry course consists of 81 lectures and 4 laboratory classes. The first 27 lectures cover the topics proteins, enzymes, nucleic acids and molecular genetics. The remaining 54 lectures are mainly devoted to intermediary metabolism and biochemistry of the tissues. The Biochemistry course provides background material for other subjects, particularly physiology, endocrinology and nutrition.

The laboratory work is intended to give some manipulative skill in quantitative biochemistry and

illustrates some of the techniques used in clinical pathology.

## **Veterinary Pathology**

The courses of instruction extend over Second, Third, Fourth and Fifth Year and embrace the following subjects:

- General Pathology
- Systemic Pathology
- Immunology
- Haematology
- Chemical Pathology
- Clinical Pathology

### **Veterinary Pathology I**

In Second Year, *General Pathology* deals with the causes of disease, morbid and reactive processes, inflammation, immunological reactions, regressive and progressive tissue changes, including the study of neoplastic growths. Practical work includes the examination of gross and microscopic changes in representative examples of these processes.

## **THIRD YEAR**

### **Veterinary Physiology II**

Topics covered include ruminant digestion, the nervous system, reproduction, growth and development, animal behaviour and some specialised topics not covered in Veterinary Physiology I. In this part of the course greater emphasis is placed on the activity of the organism as a whole.

Practical instruction in a variety of topics is given during Lent and Trinity terms. The format of practical classes is similar to that of Veterinary Physiology I (including self-instruction) but a greater capacity for independent learning is expected in this part of the course.

This part of the course in veterinary physiology comprises about 44 hours of lectures and 108 hours of practical work.

### **Veterinary Parasitology I**

A study of the protozoal and arthropod parasites of domesticated animals and the pathogenesis, diagnosis, epidemiology, treatment and control of the diseases they cause. The course comprises 18 lectures and 36 hours of practical work.

### **Veterinary Pathology II**

In Third Year:

*Systemic Pathology* is an extension of general pathology, and applies general pathological principles to diseases of the various organs and systems of domestic animals.

*Haematology* deals with diseases of the blood and blood-forming tissues of domestic animals.

*Chemical Pathology* deals with the biochemistry of disease.

Practical work involves the examination of gross and microscopic changes in representative examples of diseases of the major organs and instruction in the performance of postmortem examination of animals.

### **Veterinary Microbiology**

Classification and general biological properties of bacteria, viruses and fungi and a study of the mechanisms of disease production.

Practical work includes the isolation, cultivation and identification of micro-organisms and examin-

ation of the tissues of animals affected by microbial diseases.

VETERINARY SCIENCE

## **Veterinary Pharmacology and Toxicology**

The course consists of 63 hours of lectures and 27 hours of laboratory classes. The major part of the course outlines the main pharmacological actions of drugs on the physiological systems of animals, together with their toxic effects in overdosage. In addition a group of lectures on the principles of toxicology and the toxic effects of chemicals and plants is given. There is a series of lectures on medicinal chemistry, the modes of action of chemotherapeutic agents on foreign organisms and the Department of Pharmacy contributes a series of nine lectures on the relationship of Pharmacy to veterinary practice.

### **Veterinary Medicine I (Part A)**

This consists of 36 lectures on general Veterinary Medicine and diseases of organ systems of animals. This introductory course is concerned with the clinical methods used in Veterinary Medicine and the techniques of examination of various organ systems. The diseases of organ systems of the dog are studied. In these lectures special attention is given to integrating students' knowledge of anatomy, physiology, biochemistry, pathology, genetics and nutrition. The lectures are reinforced and illustrated with clinical material from the University Veterinary Hospital and Clinic.

### **Veterinary Surgery I (Part A)**

The course in Veterinary Surgery extends over three years and provides theoretical and practical instruction in the principles of surgery, obstetrics, anaesthesia and radiology in both large and small domestic animals.

Instruction in veterinary surgery commences in the Third Year. A course of 26 lectures in Michaelmas term introduces the student to the principles of aseptic surgery, radiography and radiotherapy and anaesthesia, in preparation for entry to the clinics and hospital in Fourth Year. An equivalent time in the Third Year is also devoted to practical instruction in these subjects.

## **FOURTH YEAR**

### **Animal Nutrition II**

A course of 36 lectures in Michaelmas term on nutrition and metabolic disorders and on the nutrition and feeding of horses, dogs, cats, fish, cage birds, laboratory and zoo animals.

### **Animal Reproduction (Applied)**

A course of 18 lectures concerned with animal reproduction, covering the normal pattern of reproduction in farm animals, dogs, cats and horses. Emphasis is placed on the control of reproduction—both augmentation and limitation—for practical purposes.

### **Veterinary Anatomy III**

The course consists of 36 hours of demonstration and practical classes, and covers the surface anatomy and applied anatomy of the horse, ox and dog.

### **Veterinary Medicine I (Part B)**

The course commenced in Third Year is continued through three terms of Fourth Year. Lectures concen-

trate on the diseases of the various organ systems. The course is based on the dog as the type species but comparative references are made to other animal species. During the year there are lectures on specific diseases of companion animals and more unusual pets like reptiles, small rodents and laboratory animals.

Practical work in the Veterinary Clinic and Hospital is undertaken each day as well as case illustrated tutorials.

### **Veterinary Surgery I (Part B)**

The course of 105 lectures includes the surgical diseases and affections of domestic animals. These are arranged with emphasis on a systemic approach giving special consideration to the more important systems of the body such as the locomotor, which includes neuromuscular and skeletal diseases and orthopaedics, the respiratory, alimentary and uro-genital systems, the latter embracing obstetrics and pre- and post-partum conditions. The special sense organs such as the eye and ear are dealt with separately.

Students are given training by lectures and demonstrations in the principles of antisepsis and aseptic surgery, and in the technique of operative surgery and in anaesthesia, radiography and radiology. They also practise surgical techniques under supervision in 54 hours of formal practical classes. Students assist in the surgery and aftercare of animals in the veterinary hospital on a roster system as part of the 200 hours' clinical work.

The course of instruction in veterinary anaesthesia covers the theory and practice of general anaesthesia and of local and regional analgesia. The student studies the pre-operative assessment of the anaesthetic patient in addition to the recognition and management of post-operative anaesthetic complications. Fluid therapy and intensive care of both surgical and medical cases are undertaken.

Instruction in the use of radiology as an aid to clinical diagnosis in diseases of the different body systems is given.

Examination of clinical cases, practical classes and tutorials will provide an introduction to radiographical diagnosis and cover further aspects of radiography, radiation protection and radiotherapy.

The course in obstetrics is given in the Fourth and Fifth Years. Students are given instruction in pre-partum affections, parturition, dystocia, and the affections of the urogenital tract at birth. Practical experience is provided at the Veterinary Hospital in Sydney and at the Rural Veterinary Centre at Camden, as well as in formal demonstrations of the manipulative and operative aspects of veterinary obstetrics.

### **Veterinary Clinical Pathology I**

A course of lectures, demonstrations, practical classes, and seminars during Fourth Year deals with the practical application of pathological, biochemical, microbiological and parasitological techniques to clinical aspects of Veterinary Science.

Practical work includes the examination of specimens taken from living animals by techniques in the above fields. Special attention is given to the application and interpretation of tests used in the diagnosis of disease.

### **Veterinary Parasitology II**

A study of the helminth parasites of domesticated animals and the pathogenesis, epidemiology, treatment

and control of the diseases they cause. Particular emphasis is given to the prevention of parasitic disease in farm animals and to the public health importance of animal parasites. The course comprises 27 lectures and 54 hours of practical work.

### **State Veterinary Medicine**

State Veterinary Medicine covers the application of local, state and federal legislation to the control of animals and animal diseases. The role of veterinarians in society, veterinary ethics and all the implications of the Veterinary Surgeons Act are discussed.

### **Veterinary Hospital and Clinic**

Students attend the Veterinary Hospital and Clinic in Sydney throughout all three terms of the Fourth Year and in certain periods of the Fifth Year. Material from their lectures in Veterinary Medicine and Veterinary Surgery is augmented by actual practical experience in the diagnosis and treatment of medical and surgical disorders in horses, dogs, cats, small cage birds and miscellaneous pets. Special instruction is given in practical therapeutics, post-operative care, prescription writing, case record keeping, hospital administration and veterinarian-client relationships. Students are rostered for duties in turn in the medical, surgical and out-patients departments of the hospital, and in the clinical pathology laboratory.

### **FIFTH YEAR**

#### **Veterinary Public Health**

This course comprises 45 hours of lectures and practical sessions that describe and illustrate the role of veterinarians in the maintenance and promotion of human health.

There are lectures on disease in populations, the zoonoses, meat technology, food inspection and problems associated with drug residues in food animals. This is a co-ordinated subject comprising material previously spread over three years of the course.

The departments of Veterinary Anatomy, Animal Husbandry, Veterinary Pathology and Veterinary Clinical Studies all contribute.

#### **Veterinary Surgery II**

This course consists of 37 hours of lectures or seminars on special features of surgery, anaesthesia, radiology and obstetrics of farm animals and 77 hours of practical instruction. The practice of surgical and obstetrical techniques under supervision and preparation of small and large animals for surgery and their after care in the Rural Veterinary Centre continues throughout the year.

Students are expected to reach a standard of skill enabling them to control, examine and make clinical diagnoses, and undertake the treatment of the common diseases found in general practice. Active practical participation in the out-patients and in-patients departments of the Veterinary Hospital at the University of Sydney and in the ambulatory clinic at the Rural Veterinary Centre, Camden, combined with periods spent with veterinary practitioners engaged in general practice, provide opportunity to reach the standard required at graduation.

#### **Veterinary Medicine II**

This comprises 174 lectures on the medicine of horses, cattle, sheep, pigs and poultry. Formal lectures are complemented by clinical work with the patients of the



Rural Veterinary Centre and by practical classes including those with horses at the faculty Horse Unit. The Rural Veterinary Centre and its laboratory provide experience in the management of a wide range of disease problems in most of the traditional farm livestock. Students also participate in the herd health services provided for dairy farmers and pig producers in the district, and in veterinary services provided to zoological parks and deer farms.

### **Rural Veterinary Centre**

During their period of residence at Camden, Fifth Year students are introduced to veterinary practice among farm animals. This is achieved by practical work in groups in the ambulatory clinic, hospital and clinical pathology laboratory of the Rural Veterinary Centre. Students are able to observe disease problems under field conditions and obtain practical experience in the application of clinical pathology techniques utilised in the investigation of these diseases.

### **Animal Production**

A course of lectures and practical work on the application of scientific principles to the nutrition and production of livestock.

**Ruminants:** Nutrient requirements of sheep and cattle, and ration calculation procedures. Pasture composition—native and improved, temperate and tropical, grasses and legumes. Changes with stages of growth. Composition and usage of concentrates and non-protein nitrogen. Factors limiting efficiency of production of meat, wool and milk—environmental, nutritional, hormonal, genetic and disease. Differential diagnosis of limiting factors—nutrition, management and genetic manipulations to overcome them.

**Monogastric:** Nutrient requirements of pigs and poultry, Composition of feeds and ration formulation. Systems of egg production and pig and poultry meat production and factors limiting efficiency. Disease situations related to nutrition and husbandry. Nutrient deficiency states and nutrient interactions in metabolism.

Control of reproduction in farm animals: artificial insemination of farm animals including the collection, handling and preservation of semen.

### **Veterinary Clinical Pathology II**

A course of lectures, demonstrations, practical classes and seminars deals with the practical application of pathological, biochemical, microbiological and parasitological techniques to clinical aspects of Veterinary Science.

Practical work includes post-mortem examination, histopathological methods, naked-eye and microscopical examinations of tissues affected with disease processes, and laboratory techniques for haematology and clinical pathology.

The total time devoted to the subject is approximately 100 hours. Special attention is given to the application and interpretation of tests used in the diagnosis of disease.

### **Miscellaneous practical work**

Students are required to do practical work in Livestock Husbandry, as described in the Animal Husbandry course.

Fourth Year students are required to undertake one week's practical work in meat inspection.

Veterinary Hospital and Clinic at the University in Sydney and at the University Farms at Camden for practical experience in Clinical Veterinary Medicine and Surgery. They are also required to undertake specified extramural practical work arranged by the faculty.

### **Essay**

All students must satisfactorily complete an essay during the undergraduate course and before graduation. The latest time acceptable for nomination and faculty approval of the topic is by the end of Trinity term in Fourth Year. Essays must be typewritten and submitted by the first week of Trinity term in Fifth Year. Students may, however, register their topic and complete their essay before these deadlines.

# Board of Studies in Divinity

## FIRST YEAR

NEW BY-LAWS AND RESOLUTIONS OF THE SENATE

### Old Testament Studies

- (1) History and Religion of the Old Testament in the Pre-exilic Period
- (2) Tools of Old Testament Studies

### Greek IB (Koine)

- (1) Greek grammar
- (2) NT texts
- (3) Historical, religious and cultural background

### History and Thought of Christianity I

- (1) A study of theological developments, both Roman Catholic and Protestant, in the 19th and 20th centuries.
- (2) Developments in the history of religion in the same period.
- (3) A philosophical component, concerned with the relation of theology to secular thinking.

### History and Phenomenology of Religion

An introduction to the History of Religion.

## SECOND YEAR

### Old and New Testament II

- (1) Theology of the Old Testament, Part 1
- (2) Old Testament texts or Post-exilic Thought
- (3) Introduction to New Testament Studies
- (4) New Testament texts

### History and Thought of Christianity II

- (1) Philosophy—Christian theism, Anselm to Kant
- (2) History—the Early Church
- (3) Theology—the person and work of Jesus Christ

### Electives

Three electives, at least one in each half-year, from a list to be made available by the Board. One elective must be taken in the History and Phenomenology of Religion.

## THIRD YEAR

### Old and New Testament III

- (1) Theology of the Old Testament, Part 2
- (2) Old Testament and Intertestamental Texts
- (3) Theology of the New Testament
- (4) Exegesis of New Testament Texts

### History and Thought of Christianity III

- (1) Philosophy — The functions of philosophical concepts in doctrine
- (2) History — Religious reform movements in 16th century Europe
- (3) Theology — The Christian doctrines of God and grace

### Electives

Two electives, one in each half-year, from a list to be made available by the Board.

## FOURTH YEAR (BD Honours)

### Old and New Testament IV

The fourth year honours course will normally be in *either* Old Testament *or* New Testament, but a combined course may be arranged.

#### Old Testament

- (1) Coursework
  - (a) Exegesis of the Hebrew text of a major prophet or book of the Pentateuch not previously studied;
  - (b) Advanced study in one of the following fields:
    - An aspect of OT theology
    - Intertestamental literature
    - Prehistory of the Old Testament
  - (c) Detailed study in Hebrew or Aramaic of texts relevant to the topic of the thesis; preparatory work for the thesis.
- (2) Thesis

A thesis of about 15 000 words. Honours in OT may be undertaken only by those who have completed the Hebrew stream in OT I-III.

#### New Testament

- (1) Coursework
  - (a) Exegesis of a gospel and epistle not previously studied
  - (b) Papers and essays
- (2) A thesis of about 15 000 words on an approved subject.

A student wishing to take combined Honours in OT and NT or with some elements from History and Thought of Christianity should consult the chairman of the section.

### History and Thought of Christianity IV

Prescriptions for honours in this section will be made available on request.

# Board of Studies in Music

DIVINITY  
MUSIC

BMus students in all years will be required to join in the practical activities of the department—to sing in choral works, or to play in the orchestra and chamber groups, or department gamelan. All this is an essential part of the course.

The following programme of study has been prescribed:

## Music I

See the course description under the Faculty of Arts in the Courses of Study section of the *Calendar*.

## One first year Arts course

One first year Arts course in a foreign language, which may be an elementary course, as listed in the table of courses in the resolutions of the Senate for the degree of Bachelor of Arts, following Chapter X of the by-laws in the statutes section of the *Calendar*.

## One other Arts course

One other Arts course chosen from the table of courses (see above), which may be taken at any level in any year, provided the necessary prerequisite course/courses have been completed.

## BMus I

*Either* Composition I  
*or* Performance I

## Music II

The Music II (Pass) course as in the Faculty of Arts.

## Second year Arts course

A second year Arts course listed in the table of courses (see above).

## BMus II

*Either* the *Composition* option, to consist of four units as follows:

Composition 2 or 1  
Advanced Counterpoint and Harmony 1\*  
Orchestration 1  
Keyboard I

*or* the *Performance* option, to consist of four units as follows:

Performance 2 or 1  
Advanced Counterpoint and Harmony 1\*  
Orchestration 1  
Keyboard I

\* Advanced Counterpoint and Harmony I must normally be taken concurrently with or after Music II.

## Music III

The Music III (Pass) course as in the Faculty of Arts.

## BMus III

One of three options. The *Composition* option, to consist of six units as follows:

Composition 3 or 2 *or* Performance 1  
Acoustics  
Keyboard 2  
Orchestration 2  
Advanced Counterpoint and Harmony 2  
Advanced Analysis

*or* the *Performance* option, to consist of six units as follows:

Performance 3 or 2  
*or* Composition 1  
Acoustics  
Keyboard 2

The degree of Bachelor of Music is offered in the fields of musical composition and of instrumental or vocal performance. To gain acceptance a student must show outstanding ability in his or her chosen field and pass a departmental test (see below).

Once accepted the student may, with the permission of the Board of Studies, undertake a course that includes both composition and performance units. In addition a musicology option is available to third and fourth year (honours) students.

The award of the degree of Bachelor of Music is governed by the Board of Studies in Music under regulations set down in Chapter X of the by-laws. These regulations were introduced at the beginning of 1977; students proceeding under the old by-laws should consult the 1975 *Calendar*. The degree is awarded in two grades, pass and honours.

The first year course in Music prescribed for the BMus degree may normally be taken only by students reaching the 61st percentile in the 3 unit or 2 unit Music course at the HSC examination. In certain circumstances students who have not taken either of these courses may be admitted after passing a departmental musicianship test. Prospective candidates should consult the head of department. In addition all applicants receiving an offer of a place must satisfactorily complete a test in Musical Composition, or in Instrumental or Vocal Performance, supervised by the head of the Department of Music.

Students must register with the department, during the orientation period, before beginning each year of any course. They will be required to reach a high professional standard by the end of the BMus degree course. First year students taking either Composition or Performance will be advised towards the end of Lent term on their prospects of successfully completing the unit. Students must have reasonable proficiency at the keyboard—roughly the standard needed to play the simpler movements of Beethoven's Piano Sonatas—in order to play from score and from figured bass in the keyboard components of the course.

A candidate wishing to proceed to honours must have obtained a credit or better in the courses Music I, II and III and in at least half the units taken as part of the courses BMus I, II and III, and must have demonstrated the requisite knowledge and aptitude. Application for any variation in these requirements must be made to the Board of Studies in Music.

Orchestration 2  
*or* Composition 1 or 2  
*or* One seminar  
 One seminar  
 Advanced Analysis  
*or* the *Musicology* option, to consist of six units as follows:

Introduction to Musicology and Ethnomusicology  
 Paleography 1  
 Advanced Analysis  
 Acoustics  
 Keyboard 2  
 Orchestration 2  
*or* Composition 1 or 2  
*or* Performance 1 or 2  
*or* One seminar

### **BMus IV Honours**

- (i) Two seminars
- (ii) One seminar which is relevant to the thesis topic
- (iii) Keyboard 3, *or* Performance 1, 2 or 3, *or* Composition 1, 2 or 3, *or* one seminar if not taken previously
- (iv) *Either* an exercise in musical composition and a minor thesis (Composition option), *or* an instrumental recital and a minor thesis (Performance option)  
*or* a major thesis and a translation paper from a language approved by the Board of Studies in Music (Musicology option).

## **Board of Studies in Social Work**

### **BACHELOR OF SOCIAL WORK PASS**

The degree programme, which commences at second year level, requires a minimum of three years' study in addition to the prerequisite of at least one year of university or equivalent tertiary study including the courses Psychology I and two other courses prescribed for the degree of Bachelor of Arts (or the equivalent).

A candidate for the BSW pass degree proceeding full-time would normally complete three courses in each of three years of enrolment.

### **INTERMEDIATE YEAR**

Psychology IIA or IIB

Social Theory II

One other Second Year course prescribed for the degree of Bachelor of Arts taken in accordance with the resolutions for that degree.

### **Social Theory II**

This is a one-year introductory course in sociology, which seeks to provide a critical approach to the concepts, theories and methods of the social sciences. Available to both Arts and Social Work students, the course is intended to be of general interest and relevance while also a useful preliminary to the final two years of the social work programme.

The following topics will be covered: social theory; social structure and social inequality; social groups in Australia. Options likely to be available include medicine, deviance, family, women, unemployment, welfare, migration and others depending on staff availability.

### **SENIOR YEAR**

#### **Self Through Society I**

This course is taught over three terms and comprises sociological and legal components, which are integrated throughout. It is taught by one-hour lectures followed by two-hour tutorials.

Lent term: Focus on the family: Ideology; the family; the Family Law Act; the Child Welfare Act.

Trinity term: Focus on inequalities: Women; NSW Crimes (Sexual Assault) Amendment Act; race relations; antidiscrimination legislation; the peace movement.

Michaelmas term: Focus on the impact of institutions: schooling; unemployment; prisons; work-

shop with Prisoners' Action Group; examination of police powers, privacy and surveillance.

Assessment is by two essays (one on law) and one tutorial paper.

## Social Policy and Administration

The course will include:

- The scope and structure of social policy: an introduction to the institutional arrangements in social policy
- The normative system: the discussion of values and ideology in relation to means and ends, introducing a variety of theoretical perspectives
- The context of social policy: the historical development of social policy, comparing the Australian situation with other advanced countries.

## Social Work Practice I

Students learn to assess social issues and problems and become familiar with strategies and techniques of social work intervention. They develop familiarity with the knowledge base of social work and begin to conceptualise approaches to practice. The course aims at examining mainstream and recent radical approaches in order to develop an awareness of processes affecting social change.

*Fieldwork* consists of a placement of 50 days. This begins at the end of May with a two-week full-time block, and continues two days per week during Trinity and Michaelmas terms with a two-week full-time period during the August vacation.

*Assessment* is continuous throughout the year. Student analysis of social work theory and practice issues is a central part of assignments.

## SENIOR ADVANCED YEAR

### Self Through Society II

*Lectures and tutorials:* Lent term, Trinity term: students are assigned to seminar groups, which study specialist areas with the support of one resource person.

Concurrently in Trinity term there will be law lectures followed by discussion groups.

*Options.* The concepts and theoretical perspectives that students use in the study of specialist areas should follow from their participation in the core courses. Within the limitations of available staff and resources specialist areas will include:

Women and family studies; migrants in the workforce; administration of justice; human sexuality; disability; race relations; youth culture; schooling and unemployment.

*Law and Social Work.* Topics covered will include: Community justice centres; mental health law; legal aid; landlord-tenant relations; legal liability of social workers; social security legislation.

Assessment is by project report and/or essay presentations on specialist areas and one essay in Law and Social Work.

## Social Policy and Provision

The course includes:

*Lecture course* (with associated tutorial)

Theoretical analyses and detailed historical and contemporary studies of the formulation and implementation of social policies in Australia in the period 1945–86. The development of social security, community services, labour market policies and programmes, health policies and taxation policies are analysed in the context of changing economic and political conditions. The concepts of social class and gen-

der inequalities are used to analyse the distribution of income, resources and services and to assess the relative impacts of social, occupational and fiscal welfare. The interplay of political and bureaucratic power, welfare organisations, unions and employer interests, and women's groups is traced in order to show the contested nature of social policy debate, formulation and implementation. The role of the social worker in policy formulation and implementation is examined.

*Lent term.* The political economy of welfare in the periods of postwar reconstruction, the long boom, the recessions and policies of tripartism.

*Trinity term.* Poverty and inequality in Australia 1966–85 and redistributive policies and programmes to combat poverty.

### Options

Social Security, labour market policies and programmes, health policies, family policies, youth policies.

## Social Work Practice II

The aims are that students reach a satisfactory level of practice as new graduates, yet recognise their need to continue learning after graduation in order to remain critical of the constraints of practice and attuned to the changing social context.

Participation in 6 class hours per week during Lent and Trinity terms form the main course components of Social Work Practice II. The classes comprise a mix of options, advanced skills and placement related classes.

### Options

The options provide opportunities for study in depth of particular social work methods or specific aspects of practice. The range offered each year varies according to both staff and student interest, and new developments in social work.

### Fieldwork

Students undertake a second placement of 40 days. This commences at the end of January with a two to four week block, following by Thursday and Fridays each week for the duration of the placement. The final placement is for twelve weeks full-time from mid-August until the beginning of November. Fieldwork in the country and overseas may be arranged in special circumstances for the final placement.

## HONOURS

For the honours degree, students must meet all the requirements for the pass degree of Bachelor of Social Work at an acceptable level and, in addition, complete a special honours course which includes submission of a thesis normally of 10 000 words. A two-hour seminar is held each week.

## COMBINED DEGREES: BA/BSW

The combined course for the pass BA/BSW degrees, which commences at second year level, requires a minimum of four years' study in addition to the prerequisite of at least one year of the Bachelor of Arts degree course (including the courses Psychology I and two other first year courses prescribed for that degree).

A candidate for the pass BA/BSW degrees proceeding full-time would normally complete three courses in each of five years of tertiary enrolment (the first of these years being the prerequisite year). The BA degree is awarded after three years of enrolment, in accordance with the plan of courses below and the BSW degree is awarded after a further two years of study during which the normal requirements of the Senior and

Senior Advanced Years for the BSW degree are completed. Psychology and Social Theory are compulsory core courses in the second and third years of the combined course; candidates must select two other second year and two third year courses prescribed for the degree of Bachelor of Arts; all the courses listed for the fourth and fifth years are compulsory.

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## Graduate School of Management and Public Policy

The Graduate School of Management and Public Policy offers two degrees, the Master of Business Administration and the Master of Public Policy.

### MASTER OF BUSINESS ADMINISTRATION

The Master of Business Administration is a highly selective programme designed for active managers aspiring to senior positions. The course of studies is demanding, intended for graduates with at least two years' practical experience. The aim of the MBA programme is to develop an understanding of the modern corporation and the environment in which it operates, and to enhance the analytic skills of graduates.

The integration of a range of specialist subjects and skills provides the basis for the successful management of business enterprises. No prior knowledge of law, economics or accounting is assumed. Courses are designed to introduce those subjects through a detailed study of business corporations and the way decisions are made and put into effect.

The academic staff are drawn from various departments in the University of Sydney; in addition there are frequent contributions by senior business executives in their areas of expertise.

The degree extends over three years of part-time study. Two major pieces of individual research, the Industry Study and the Company Report, make up a large section of each candidate's work, and optional modules enable candidates to tailor courses to their own needs.

### MASTER OF PUBLIC POLICY

The aim of the Master of Public Policy programme is to develop a critical understanding of public policy analysis. A course of study in economics and quantitative methods is combined with an analysis of political, ethical, managerial and legal aspects of governmental organisations and decision making processes. The MPP is available to both part-time and to full-time candidates.

The programme is interdisciplinary and has a strong practical orientation. It aims to fill a gap in higher degree studies of relevance to work in the public sector by focusing on public policy making in addition to management and administration. The courses are designed to give a grounding in fields relevant to policy analysis, with extensive use of examples, workshops

and assignments drawing on current policy issues. Scope is offered for candidates to develop their special interests in particular substantive areas of public policy. The degree is primarily a programme of coursework, not a research degree.

SOCIAL WORK  
MANAGEMENT AND  
PUBLIC POLICY





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# Hospitals recognised for teaching purposes

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## General teaching hospitals

Lidcombe Hospital	717
Repatriation General Hospital	718
Royal North Shore Hospital	718
Royal Prince Alfred Hospital	719
Westmead Hospital	719

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## Special teaching hospitals

Alice Springs Hospital	721
Cumberland Hospital	721
Macquarie Hospital	721
Mater Misericordiae Hospital	722
Royal Alexandra Hospital for Children	722
Royal Darwin Hospital	723
Rozelle Hospital	723
St Margaret's Hospital for Women	724
Sydney Hospital	724

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## Affiliated hospitals

United Dental Hospital	725
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# General teaching hospitals

TEACHING HOSPITALS:  
LIDCOMBE

## Lidcombe Hospital

In 1879 the New South Wales Government purchased some 1340 acres of land in what was then known as the District of Rookwood and in 1884 a portion of this area was cleared for a proposed reformatory for boys and a model farm. During 1885, plans were drawn up and in 1887, four brick dormitories, a dining hall and a residence for the Superintendent were erected and a large orchard and a vegetable garden were planted. For the next six years, however, these buildings remained unoccupied except for a caretaker/ manager and in 1893, during a period of widespread unemployment and destitution, the buildings and land were transferred to the control of the Charities Department and an institution known as the Rookwood Asylum for the Aged and Infirm was established.

Initially, some 80 men were transferred from Parramatta and the institution was provided with a staff of four—a matron/superintendent, a clerk, an attendant and a carpenter. Over the ensuing years, the inmate population grew to 317 and an additional attendant, a nurse, a storekeeper, two gardeners and two chaplains were added to the staff establishment. By 1896, the inmate population had risen to 581 and the government decided that Rookwood Asylum should be developed as the main institution for the state's aged male poor and that its development and administration should be modelled on the Newington Home for Women. In 1899 the available accommodation was increased to 800 beds.

In 1906 Dr R. A. Fox who had been the asylum's visiting medical officer for the previous three years was appointed medical superintendent. By this time a staff of thirty-six were employed to care for more than thirteen hundred inmates accommodated, and gradually over the first few years of Dr Fox's superintendentship, the hospital side of the institution's activities began to assume a much greater importance. By 1913, clinical departments under honorary medical staff had been established in the fields of dermatology, ophthalmology, E.N.T., surgery, neurology and general surgery and in keeping with these developments the 'Asylum' name was replaced by the more appropriate 'State Hospital and Home'. At this time also the name of the district was changed from Rookwood to Lidcombe.

Over the next fifteen years further buildings were added and by the time of Dr Fox's retirement in 1929 a staff of 138 was employed to care for a total of 988 hospital and nursing-home patients and 732 inmates. Through the superintendentships of Drs McMaster, Baret, Brooks and Procopis, developments continued with the new wards and dormitories being added in 1938 and 1940, a new nurses home being opened in 1940, a recreation building being provided for home section residents in 1946, a new ward being constructed for tuberculosis patients in 1955 and finally eight new wards being provided to house long-stay nursing-home patients during 1956 and 1957.

The next major phase of the hospital's development took place in the early 1960s. A programme of dormitory conversions was started which was to see the modernisation of wards over a period of eight years, and it was during the early part of this programme that decisions were taken to establish a comprehensive geriatric service for both male and female patients and to define areas for which the hospital would be primarily responsible. Concurrently the general medical and surgical services of the hospital were upgraded with the employment of staff specialists in a number of fields and in 1971 the construction of stage I of the long-awaited new hospital block was begun. This building provided new operating theatres, a large modern C.S.S.D., an 11-bed intensive care unit and a new Department of Diagnostic Radiology, and is linked to the stage II building, which provides a further 152 beds, administrative offices and some additional diagnostic services.

For the greater part of its existence, Lidcombe Hospital functioned as a chronic diseases hospital catering for the aged and the indigent. However, in contrast to most other similar institutions, it provided most of the required acute medical and surgical services, and from this base the hospital has been developed into a large modern complex providing a full range of medical and surgical services together with a comprehensive geriatric service.

Lidcombe Hospital commenced as a clinical school of the University in May 1976, when 14 students began instruction at the hospital. Prior to that students from other teaching hospitals had undergone instruction in general medicine and geriatrics at the hospital. There are about 60 students training at the clinical school. The clinical school is under the supervision of a Board of Medical Studies. Lidcombe Hospital is now the site for the Cumberland College of Health Sciences, the Division of Analytical Laboratories, Air Pollution Control Branch and other government agencies.

### Administrative staff

#### Medical Superintendent

G. W. Carter, MB BS GradDipHA

#### Deputy Medical Superintendent

G. J. Marcar, MB BS DPH, FRACMA

#### Manager

J. Taylor

#### Warden of the Clinical School

P. F. Thursby, MB BS, FRACS

#### Clinical Supervisor

T. P. Gibian, MB BS, FRACP

## Repatriation General Hospital, Concord

The Repatriation General Hospital, Concord, was built during World War II and was opened in 1942 as a Base Hospital for the Army in New South Wales; it was then known as the 113th Australian General Hospital. In 1947 the hospital was handed over by the Army authorities to the Repatriation Commission and now is the major hospital for the Department of Veterans' Affairs in New South Wales. The hospital has a present capacity of 719 beds, and is staffed by 150 visiting specialists, 50 full-time specialists and resident medical staff.

It has a large Outpatient Department averaging 90 000 attendances per annum. An Emergency Accident Centre, catering for the needs of the local community and with annual attendance figures of 22 000, has been operational for some years. The Department of Veterans' Affairs also conducts the Lady Davidson Hospital at Turramurra. This is a 174 bed auxiliary hospital whose predominant function is in the field of Rehabilitation Medicine.

The present clinical school was established in 1963. It has professorial wards and units in medicine, surgery and psychiatry, supported by non-professorial academic staff.

The Repatriation General Hospital, Concord, had previously undertaken undergraduate teaching responsibilities in the late 1940s and early 1950s to help cope with the increased volume of medical students due particularly to the great numbers of C.R.T.S. students.

The full potential of teaching material available from about 732 in-patients is open to the clinical school. The hospital contains large departments of medicine and surgery, as well as the specialties, including gynaecology, and a dental clinic.

A clinical sciences block located within the hospital grounds and adjacent to the present quarters was opened in 1973. It provides office accommodation for the warden and clinical supervisor, two large lecture/demonstration rooms and tutorial rooms, a large lecture theatre to accommodate approximately 150 people, offices for the professorial units and research laboratories including an animal research laboratory and an operating theatre. The library was refurbished and relocated in 1980 and houses a comprehensive range of textbooks and journals.

Visiting specialists are appointed for a term of five years and are eligible for reappointment. The clinical school is under the direction of the Board of Medical Studies and is administered within the hospital by the warden and the clinical supervisor with the guidance of the Dean of the Faculty of Medicine.

### Administrative Staff

#### *General Superintendent*

O. G. Curteis, GradDipHA N.S.W. MB BS, FRACMA

#### *Director, Medical Administration*

D. A. Smith, MHP N.S.W. MB BS, FRACMA

#### *Business Director*

R. G. Mills, ADipHA Mitchell C.A.E., AHA

#### *Nursing Director*

C. C. Buchanan, RN, DipNED DipNAdmin  
Coll.Nurs.Aust., FCNA FCN(N.S.W.)

#### *Warden of the Clinical School*

S. G. Koorey, MB BS, FRCS FRACS

### *Clinical Supervisor*

O. Peiris, MD BS Ceyl., FRACP MRCPEd MRCP

## Royal North Shore Hospital of Sydney

During the year 1885 the first practical attempt to found a public hospital for the North Shore community was made by Mr and Mrs F. B. Treatt of Chatswood. Sir Henry Parkes, in 1887, laid the foundation stone of the North Shore Hospital on land in Willoughby Road presented by David Berry, Esq., and the hospital was opened in 1888 with accommodation for fourteen patients.

In 1902 the foundation stone of a new hospital was laid by Sir Harry Rawson on a site of 8 acres (3.25 hectares) in St Leonards. In that year, also, permission was granted by King Edward VII for the institution to be designated 'The Royal North Shore Hospital of Sydney'. Its first pavilion, together with an administration block, was opened for the reception of patients in 1903.

Since that date the size of the site has been increased progressively until at the present time it has an area of 14 hectares. This includes the last 2½ hectares of the old 'Gore Hill Reserve' behind the Oval, set aside in 1948, specifically for a new 600 bed multi-storey acute ward block, promised to enable fulfilment of the role of teaching hospital. It was in 1948 that the hospital's long history of medical service to the community was recognised by the University when a clinical school for medical undergraduates was inaugurated in the presence of the Chancellor, Sir Charles Bickerton Blackburn.

After the inevitable delays resulting in many problems for the new clinical school, work on the long-promised new block began in 1962 and the third stage was completed in 1977. All the original Night-ingale style wards were progressively closed for patients. Over the following 5 years they were converted to use for laboratories, medical ancillary and support services in what was known as Stage 4 of the redevelopment programme as a teaching hospital. The old cottages which were in temporary use for very many years have been removed and the student living-in quarters have been increased to 24 beds.

Today the hospital comprises 900 beds, and includes departments in all major specialties. University departments on site include Medicine, Surgery, Obstetrics and Gynaecology, Orthopaedics, Psychiatry, Rheumatology, Thoracic Medicine and Clinical Pharmacology. Research activities are conducted by the University departments, the Kolling Institute of Medical Research and most clinical hospital departments.

In 1969 the teaching strength of the Royal North Shore Hospital was enhanced by the affiliation with the Mater Misericordiae Hospital, Crows Nest, now a private hospital. The clinical school is under the direction of the Board of Medical Studies and the Warden of the Clinical School, with clinical supervisors appointed in Medicine and Surgery.

In addition to its role as a teaching hospital, the hospital provides the major regional resource for the Northern Metropolitan Region, as well as certain supra-regional specialties catering for a population of nearly one million. Undergraduate education in the allied health services is undertaken in conjunction with the Cumberland College of Health Sciences. Nurse education is now conducted in conjunction with the New South Wales Institute of Technology. The hospital is also responsible for the coordination of Community Health services in the lower North

Shore area, serving directly a population of 150 000 and involves a network of both community and hospital-based services.

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#### **Administrative staff**

##### *General Medical Superintendent*

I. R. Vanderfield, OBE, MB BS, FRACMA FAIM

##### *Director of Medical Services*

S. R. Spring, MB BS

##### *Director of Administrative Services*

N. R. Full, BBus N.S.W./I.T. MCom N.S.W.

##### *Warden of the Clinical School*

R. O'Reilly, MB BS, FRACP

##### *Clinical Supervisors*

C. P. Bambach, MD BS, FRACS

R. C. Edwards, MB BS, FRACP MRCP(UK)

### **Royal Prince Alfred Hospital**

In 1868 an attempt was made on the life of H.R.H. Prince Alfred, a son of the reigning Queen Victoria, at the Sydney suburb of Clontarf. The public conscience was so stirred by this unfortunate event that a charitable fund was opened to honour the name of the prince and to give thanks for the saving of his life. Out of this fund arose the Prince Alfred Hospital in Sydney and the Alfred Hospital in Melbourne. Prince Alfred Hospital was opened for the treatment of patients in September 1882. It was designed as a general hospital for the care of the sick, as a teaching hospital for the University and as a training school for nurses. Its site immediately adjacent to the University, between St John's and St Andrew's Colleges, was ideal for its function as a teaching hospital. The hospital was incorporated by an Act of Parliament in 1873 and the appellation Royal was added in 1904.

The original hospital of which only the centre administrative block now stands, contained approximately 200 beds. Since that time the hospital has grown by the addition of the Victoria and Albert Pavilions, the Psychiatric Block, Gloucester House, King George V Memorial Hospital, the Page Chest Pavilion, the Blackburn Pavilion and most recently in

1984, the Duke of Edinburgh Block. It now has a capacity of 1196 beds.

The hospital is unique in Sydney in having had a clinical school from its inception. There were no full-time professors in clinical subjects in those days, but the association with the Faculty of Medicine of the University had always been close. The early part-time professors of medicine and surgery were honorary physicians and surgeons respectively of the hospital. The appointments of full-time professors of medicine and surgery in 1931 saw the setting up of professorial units in medicine and surgery at the hospital. Since that time the full-time academic staff working within the hospital has steadily increased such that at the present time there are 30 University of Sydney clinical academic members of staff. Many of these head hospital clinical divisions and departments. In addition, there are some 200 honorary and visiting medical specialists and 85 full-time specialists. The clinical activities of the hospital cover almost all medical and surgical specialties, with the exception of paediatrics.

#### **Patron**

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L. A. MacDonald

#### **Administrative staff**

##### *General Superintendent*

D. S. Child, ED, MB BS, FRACP FRACMA

##### *Warden of the Clinical School*

J. A. Burgess, MB BS, FRACP

##### *Clinical Supervisors*

D. K. Baird, BSc(Med) MB BS, FRACS FACS

A. Joasoo, BSc(Med) MD BS, FRACP

### **Westmead Hospital**

Westmead Hospital, which was opened in 1978, is a major teaching hospital for the University providing clinical schools for both medical and dental students. It serves the Western Metropolitan Health Region of Sydney which has a population now exceeding 1.3 million. Since Westmead is the only teaching hospital in this region, the clinical case load is high. Westmead has 1001 beds and an operating suite of 17 rooms. The facilities of the Parramatta Hospital have been modified to accommodate rehabilitation and longer stay patients in an additional 134 beds. Both hospitals are administered by the Board of The Parramatta

TEACHING HOSPITALS:  
REPATRIATION GENERAL  
ROYAL NORTH SHORE  
ROYAL PRINCE ALFRED  
WESTMEAD

## HOSPITALS

Hospitals which has University as well as community representation.

The hospital provides services in general medicine and surgery and related specialities, obstetrics and gynaecology, paediatrics—including an adolescent ward, a special baby care unit, a burns unit, intensive care, acute psychiatry, and a unit for emotionally disturbed children and adolescents. The hospital functions not only as a district hospital but also as a major referral centre. There is a full range of diagnostic and therapeutic services, including a large radiation oncology department. In addition there are an accident and emergency service, full out-patient facilities, and a geriatric unit providing both in-patient and day care. There also is a large dental unit, providing general and specialist dental health care.

Teaching in some of the above departments is supplemented by the secondment of students to regional district hospitals, including Mt Druitt, Blacktown, Auburn and Nepean Hospitals to ensure that everyday conditions are covered.

Pathology services are provided by the Hospital's Institute of Clinical Pathology and Medical Research, which also provides special referral services to the region and public health pathology testing for the state of New South Wales. Another significant feature of the Hospital is the library, which is based on the former library of N.S.W. branch of the Australian Medical Association.

In addition to its clinical schools for medicine and dentistry, the hospital provides clinical training for social work students from the University, students in allied health professions from the Cumberland College of Health Sciences, and for nurses from the West Metropolitan Group School of Nursing, Nepean College of Advanced Education and Cumberland College.

Professors of Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics and Community and Geriatric Medicine are located at Westmead, together with two associate professors of medicine, an associate professor of obstetrics and gynaecology and senior lecturers in each of these disciplines. The Directors of Radiation Oncology and of the Institute of Clinical Pathology and Medical Research are titled Clinical Professor of Radiation Oncology and Clinical Professor of Pathology respectively. The Director of Dental Services of the hospital is also Professor of Dentistry. All final year students attend Westmead for dental experience.

In addition to its undergraduate teaching programmes the hospital caters for postgraduate and continuing education and also has established an extensive research programme. A Warden of the Clinical School was appointed in 1986. Undergraduate teaching is reviewed by a Board of Medical Studies and by a Staff-Student Liaison Committee. On site accommodation is available for students required to live in for clinical experience. Other accommodation in a group of town house units is available adjacent to the hospital.

Postgraduate medical training is available in all specialty areas and in general practice. This includes regional rotational schemes in anaesthetics and obstetrics. Resident staff are seconded to a number of hospitals including Blacktown, Lidcombe, Lithgow, Liverpool, Mount Druitt and Nepean.

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F. Goodsir

Professor R. S. Gye

R. M. Lentfer

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C. Samuelson

#### **Administrative staff**

##### *General Superintendent*

B. J. Amos, MB BS, FRACP

##### *Warden of the Clinical School*

J. S. Gibson, MB BS FRCOG FACOG FAGO

##### *Sub-Dean*

Professor E.S. Finckh

# Special teaching hospitals

## Alice Springs Hospital

The Alice Springs Hospital with 170 beds serves the southern zone of the Northern Territory which includes the Alice Springs and Barkly regions. The hospital, along with the Royal Darwin Hospital, has become a special teaching hospital of the University as part of the clinical research facility of the Menzies School of Health Research and will provide facilities particularly in the areas of Aboriginal Health, epidemiological studies, gastrointestinal disorders and paediatrics.

### Administrative Staff

*Medical Superintendent (Acting)*

P.S. Bradford, MB BS N.S.W. Dip.R.A.C.O.G.

## Cumberland Hospital

Cumberland Hospital is a Schedule 5 hospital under the N.S.W. Hospitals Act and a mental hospital and admission hospital under the N.S.W. Mental Health Act. It is in the Western Metropolitan Health Region and is a facility run by the N.S.W. Department of Health.

The medical staff consists of 29 positions for psychiatrists and trainee psychiatrists. Each year 12-14 doctors are in training for the Membership of the Royal Australian and New Zealand College of Psychiatrists.

The hospital was established in 1848 as an asylum on a tract of land set aside for this purpose adjacent to Parramatta Park. This land now includes the location of Marsden Hospital (for intellectually handicapped children) and Westmead Hospital (part of the Parramatta Hospitals) which incorporates Redbank House (child and adolescent psychiatric service).

The hospital has undergone considerable alteration but remained known as a mental hospital until the early 1960s when dramatic changes were implemented to establish a modern psychiatric facility. Psychiatric admission units for acutely ill patients were established with a responsibility for specific geographic areas extending from Parramatta to Katoomba. In addition the hospital is responsible for the inpatient care of a large number of long-stay patients requiring rehabilitation and community placement. A drug and alcohol dependency service was started for admission and short-term treatment

of referred patients. Within these services the various aspects of clinical psychiatry are offered: assessment, diagnosis and management of patients with acute psychiatric disorders; management of patients with recurrent long-term disorders; management of patients with impairment of the central nervous system; assessment and management of elderly patients (geriatric psychiatry); and a range of community psychiatry services—outpatients' clinics, day centres, and follow-up after care and home visiting. Staff from the hospital participate in the work at the community health centres at eleven locations including Katoomba, Penrith, Mt Druitt, Blacktown, Fairfield and Parramatta.

Patient care teams are multidisciplinary, comprising doctors, social workers, nurses, psychologists, occupational therapists and medical secretaries. There is a psychiatric nurse training school at the hospital. Placement for clinical experience is provided for social workers, welfare officers and occupational therapists. Students based at the Repatriation General Hospital and Westmead Hospital are allocated to the hospital for clinical experience in psychiatry.

### Administrative staff

*Chief Executive Officer*

W. McSwiggan, BDS MB BSc MHP, FRANZCP

*Clinical Supervisor*

G. Westerink, MB ChB N.Z. DPM Melb., FRANZCP

## The Macquarie Hospital

The Macquarie Hospital, formerly known as North Ryde Psychiatric Centre, provides a variety of services including an Acute Admission Service, a Rehabilitation Service, an Emotionally Disturbed Children's Service and Services for the Psychogeriatric Patient. It also provides surgical and medical services for psychiatric hospital patients all over New South Wales.

The hospital is situated on 40 hectares of land in Wicks Road, North Ryde, and is under the authority of the New South Wales Department of Health. Building began on the site in 1956 and the first patients took up residence in January 1959. The hospital was originally conceived as one that would provide special facilities to deal with particular problems that other psychiatric hospitals were not equipped to handle.

In October 1961 the Wallace Wurth Clinic (Wards 10 and 11) was opened as an admission centre and replaced the almost century-old Reception House at Darlinghurst. Its initial function was mainly as an admission and diagnostic unit, patients being discharged after diagnosis and short-term treatment, or transferred to other psychiatric hospitals for further treatment if this were indicated.

The Centre became a teaching hospital of the University in 1967 with the opening of a sub-professional unit in 1969. Fourth and fifth year medical students attend for terms in psychiatry and surgery.

With the development of regionalisation of psychiatric services within the metropolitan area other psychiatric hospitals opened their own admission centres and North Ryde Psychiatric Centre became responsible for the care and treatment of those patients living in the Northern Metropolitan Region of Sydney. Sub-regionalisation evolved within the North Ryde Centre, and the various adult psychiatric units began to function as admission and

### TEACHING HOSPITALS:

WESTMEAD

SPECIAL TEACHING

HOSPITALS:

ALICE SPRINGS

CUMBERLAND

MACQUARIE

treatment units for their own specified sub-region.

The acute admission service is in Wards 12 and 13. Ward 5 and The Lodge are used for long-stay patients. A full-time consultant physician supervises the medical service (Ward 1). A full-time consultant surgeon directs the surgical unit in the Cameron Block.

A children's unit provides residential accommodation for the treatment of emotionally disturbed children. A special school staffed by teachers of the New South Wales Department of Education has been incorporated into the unit. Teachers are also provided for the Developmentally Disabled Persons Service.

Community Health Centres relate directly to Macquarie Hospital. These include those for the Lower North Shore Area, Ryde-Hunter's Hill Area and the Manly-Warringah Area and Central Coast area.

The specialised services (surgery, medical and children) provided to the Northern Metropolitan Region by Macquarie Hospital are also provided to the whole state if required.

In recent years the campus of the Macquarie Hospital has accommodated the Department of Health Regional Office, Central Cancer Registry and the Institute of Public Health Bio-Sciences.

#### **Administrative staff**

##### *Medical Superintendent*

J. A. Thompson, BHA N.S.W. BSc MB BS, FRANZCP FRACMA LHA

##### *Clinical Supervisor*

M. D. McGrath, MB ChB Leeds DPM R.C.P.&S., FRANZCP MRCPsych

### **Mater Misericordiae Hospital**

The Sisters of Mercy began the Mater Misericordiae as a cottage hospital in Willoughby Road on 21 January 1906.

By 1912 the Sisters needed larger premises and purchased the former residence of the Honourable R. E. O'Connor, then a Member of Parliament, and began using it as a private hospital. This cottage stood on the site of the present Private Hospital. The project flourished, and with the acquisition of surrounding properties, the Sisters proceeded to build a public hospital adjacent to the Private Hospital. Over the next few years the Sisters, with an expanding and dedicated medical staff, opened a Casualty and Outpatients Department as well as a Pathology Department and units representing the developing specialties. By 1941 the Maternity Hospital on the Cnr. Rocklands Road and Sinclair Street opposite the General Hospital was opened, and the General Hospital then comprised 266 beds, including the 57 obstetrics beds, and offered services in many disciplines of medicine. During all this time the original Private Hospital was growing, so that with its 135 beds, there was a complex of 401 beds on the site.

During all this time the Sisters were buying adjacent properties with the aim of rebuilding the hospital to provide even better services to the community.

In 1978 the New South Wales Government announced plans for the building of a new general hospital, but after major planning work had been carried out over the next 3 years, the government stopped the subsidy to the hospital, causing the closure of the General Hospital.

Undeterred, the Sisters together with very energetic

and enthusiastic staff commenced to reactivate the Private Hospital by transference and redevelopment of specialist units.

Mammography, Nuclear Medicine, Pathology, Radiology, Radiotherapy and Ultrasound Services together with a Renal Dialysis Unit, an Endoscopy Unit and an Intensive Care and Coronary Unit.

The Mater arranges for a team of senior medical registrars to staff the hospital at night, at weekends and on public holidays to ensure complete, round the clock, patient cover. The Intensive Care Unit is staffed and supervised by fully trained and experienced medical and nursing staff. The medical staff is organised on divisional lines with Divisions of Medicine, Surgery and Anaesthetics and all appointees to the medical staff are fully assessed by a Staff Appointments Committee during the accreditation process.

The hospital is classified as a Category I surgical hospital. In September 1984, the Australian Council on Hospital Standards fully accredited the Mater of the allowable 3-year term. During the accreditation analysis the Mater's Peer Review Programme was described as one of the most effective encountered and the hospital has been requested to organise peer review programmes in other hospitals.

Undergraduate teaching began at the Mater General Hospital in 1969, and continued very successfully in medicine and surgery and various specialties till the General Hospital closed in November 1982. Since then, teaching has continued in the redeveloped Private Hospital. The quiet environment in the hospital, with many single rooms, provides an ideal situation for small group teaching and there is a wide variety of clinical material available. It is anticipated that the teaching role of the hospital, both undergraduate and postgraduate, will expand in the future.

Planning has commenced for the redevelopment of the total site with a view to constructing a major private medical and surgical complex to service the community well into the next century.

Training and personal development are essential elements in the Mater programme and an extensive programme of clinical meetings is held by the medical staff. A detailed in-service programme has been developed for nursing staff and an extensive refresher programme facilitates the re-entry of registered nurses to the work force. Management and supervisory programmes and technical training programmes for all employees are actively encouraged.

The hospital is run by a Board of Directors on behalf of the Trustees of the Sisters of Mercy.

#### **Administrative Staff**

##### *General Manager*

B. M. Hardman ED, AASA CPA, FCIS AFAIM

##### *Director, Division of Surgery*

F. H. D. Breslin, MB BS, FRCS FRACS

##### *Director, Division of Medicine*

R. F. O'Reilly, MB BS, FRACP

##### *Director, Division of Anaesthetics*

J. C. Hennessy, MB BS DA Lond., FFARCS  
FFARCS FFARCSI

### **Royal Alexandra Hospital for Children**

The Royal Alexandra Hospital for Children was established in 1879 and moved to the present site in



1904. It is a 340-bed paediatric hospital caring for neonates, children and adolescents. It has full-time staff in all the usual paediatric and medical and surgical subspecialties as well as in the paramedical and technical supporting services. Most departments have active research programmes. A twenty-four hour transport team is available to collect neonates and children requiring special care prior to or during transfer from other hospitals.

The comprehensive diagnostic services include facilities for C.T. scanning, ultrasound and nuclear medicine in the Body Imaging Department.

Many activities extend into the community at both health care and education levels. Specialist consultant clinics are held in outer Sydney and major country centres.

The hospital is controlled by a Board of Directors and a house committee. Visiting medical officers and staff specialists are appointed by a conjoint board of the hospital and the University.

The Children's Medical Research Foundation is associated with the hospital and the laboratories are in the grounds.

There are both undergraduate and postgraduate teaching activities in medicine, nursing and other major allied health professions.

The establishment of a clinical school was agreed upon in 1924. The first students attended under this arrangement in 1927. The Douglas Burrows Professor of Paediatrics and Child Health in the University is located within the hospital.

#### **Board of Management**

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Miss J. Valkenburg

Professor J. M. Ward

#### **Administrative staff**

##### *General Superintendent and Chief Executive Officer*

J. S. Yu, MB BS DCH, FRACP

#### **Royal Darwin Hospital**

The Royal Darwin Hospital at Casuarina was opened in 1981 and is the major specialist hospital in the Northern Territory. The hospital, with 350 beds, provides a comprehensive health service through the Darwin region and acts as a referral centre for the Top End.

In 1984, the Hospital was determined as the site for the Menzies School of Health Research, and the hospital and the Department of Health cooperated in

establishing the School, which was formally opened by the Governor-General in June 1984. A minimum of 800 square metres of office and administrative space is provided for the School by the Hospital and residential accommodation is also made available. Interim laboratory accommodation of 400 square metres is provided within the Hospital's laboratory complex for haematology, serology, microbiology, biochemistry, histology, and anatomical pathology services for the School. In addition, a fully equipped lecture theatre with 90 seats, tutorial rooms and a library of more than 10 000 volumes plus 400 journal titles and access to computerised library facilities is available.

#### **Administrative staff**

##### *Regional Medical Director*

P. Wilson, MB BS *Adel.*, FRACGP

##### *Director, Menzies School of Health Research*

Professor J. D. Mathews, BSc MD BS PhD *Melb.*, FRACP

#### **Rozelle Hospital**

In July 1976 Broughton Hall Clinic and Callan Park Hospital were amalgamated and called the Rozelle Hospital. This hospital provides a comprehensive psychiatric service to communities in the new Southern Metropolitan Health Region. The hospital has some 600 beds and a medical establishment of 34.

Broughton Hall has had a long association with the University. It was established as a psychiatric hospital in 1921. Sydney Evan Jones was the first medical superintendent and continued in that capacity in the hospital until his death in 1948. Jones was a member of the teaching staff of the University, and Broughton Hall rapidly became an important centre of teaching both in neurology and psychiatry.

In 1955 H. W. Trethowan was appointed to the chair of psychiatry and also clinical director of Broughton Hall. Similar appointments have been held by the late D. C. Maddison (until 1974) and by P. J. V. Beumont. These appointments stimulated further development, most particularly in the form of teaching programmes for undergraduates and psychiatrists-in-training. The psychiatric postgraduate unit for the University was opened at the clinic in 1957, and the Evan Jones Lecture Theatre in 1963. The New South Wales Institute of Psychiatry was opened within Broughton Hall in 1968. The undergraduate teaching unit was opened in 1973.

In addition to providing acute inpatient admission services, the hospital has special units for the treatment of alcoholics and geriatrics, and a comprehensive rehabilitation programme for chronically disturbed patients. All units of the hospital have close links with the community health centres within the region.

#### **Administrative staff**

##### *Medical Superintendent*

P. B. Shea, DPM *R.A.N.Z.C.P.* BHA GradDip (Health Admin)*N.S.W.*DipEnvStud *Macq.* MB BS MPH DipCrim, FRACMA FRANZCP LACHSE AFAIM

##### *Deputy Medical Superintendent*

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##### *Clinical Supervisor*

L. H. Barnes, MB BS DPM, FRANZCP MRCPsych

#### **SPECIAL TEACHING**

##### **HOSPITALS:**

MATER MISERICORDIAE

ROYAL ALEXANDRA

ROYAL DARWIN

ROZELLE

## St Margaret's Hospital

St Margaret's Hospital was established in 1894 and has been under the care of the Sisters of St Joseph of the Sacred Heart since 1937.

In 1964 the public hospital became a teaching hospital in obstetrics for the University and in 1967 a clinical supervisor was appointed. In 1970 St Margaret's became a full teaching hospital in both obstetrics and gynaecology. It has been a recognised training school for midwifery since 1894.

The hospital has 115 beds with about 3500 births per year and 2300 gynaecological operations. It has a fully equipped Intensive and Special Care Nursery for the newborn, and teaching on neonates is conducted.

Resident medical officers are only appointed after they have completed at least 2 years' residency in a general hospital. Most of these officers go into general practice. However, there is a training scheme for specialisation in Obstetrics and Gynaecology for membership or fellowship of the Royal Australian College of Obstetricians and Gynaecologists. The scheme is over 5 years: the first year at St Margaret's Hospital; the second at Auburn District Hospital; the third year at St Margaret's Hospital; the fourth year at St Margaret's Hospital and St Vincent's Hospital; and the fifth year at Gosford District Hospital.

A university teaching block, including students' quarters, lecture hall and library, was completed in 1970.

Since 1983 an Associate Professor in Obstetrics and Gynaecology has been based at the hospital. Clinical lecturers in obstetrics and gynaecology are appointed by the board of medical studies.

The hospital is controlled by a board of management. The honorary medical officers are appointed by a conjoint board, consisting of representatives of the hospital board of management and the Senate of the University.

### Advisory Board

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B. Nilon

#### Medical Superintendent

.....

#### Director of Nursing

Sr Marietta Butler, RSI

#### Clinical Supervisor

Associate Professor J. D. Llewellyn-Jones, OBE, BA  
MD BCh MAO Dub., FRCOG FRACOG

## Sydney Hospital

The first hospital in Australia was established at Dawes Point shortly after the arrival of the first fleet in 1788. It was transferred to the Sydney Hospital site

in Macquarie Street in 1811 when Governor Macquarie built the 'Rum' Hospital. In 1826 the general hospital was known as the 'Sydney Dispensary' and became the 'Sydney Infirmary and Dispensary' in 1845. In 1881 the Sydney Hospital Act was passed and the Board of Directors was appointed in accordance with this Act until January 1985, when the hospital was gazetted as a Schedule 2 hospital of the Public Hospitals Act, 1929, as amended.

The first Nurses' Training School in the Florence Nightingale tradition was established in 1868 after negotiations between the N.S.W. Government and Miss Nightingale.

*The Sydney Eye Hospital* at Woolloomooloo had its beginning in the establishment of an Ophthalmic Ward in 1878 and now houses the Department of Ophthalmology and Eye Health of the University.

*The Clinical School* of Sydney Hospital was established in 1909 under the direction of the Board of Medical Studies and it afforded a full course of instruction in accordance with the curriculum of the University. 3074 undergraduates have passed through the school.

Owing to major reorganisation of hospital services in the metropolitan region in 1982, Sydney Hospital has been considerably reduced in size and it has not been possible for it to continue as a general teaching hospital of the University. Some clinical training has continued in conjunction with the Royal Prince Alfred Hospital.

Exciting new ventures include the establishment of the Sydney Hospital Occupational Health and Safety Service, the Sydney AIDS Clinic and the transfer to Sydney Hospital of the Sexually Transmitted Diseases Clinic. A greater emphasis on community health in these areas, together with maintenance of active Accident and Emergency, Outpatient and Preventive Health Services, is anticipated.

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I. Southwell, BSc MHA

#### Medical Superintendent

V. Pearson, MB BS Adel.

#### Director of Nursing

P. M. Danks, RGN, DNA, FCNA

# Affiliated hospitals

In 1971 the Senate adopted a number of recommendations made by the Faculty of Medicine concerning the affiliation of hospitals for teaching purposes. Under these recommendations:

(1) The University of Sydney recognises affiliated teaching hospitals in addition to its present recognised teaching hospitals.

(2) Hospitals desirous of and suitable for affiliation shall be considered on a regional basis wherever possible, in association with one of the existing teaching hospitals or proposed regions.

(3) There shall be formed three teaching regions:

(i) a *central region*, with Royal Prince Alfred Hospital, Sydney Hospital and the Repatriation General Hospital as central clinical schools;

(ii) a *northern region*, centred on the Royal North Shore Hospital;

(iii) a *western region*, based on Westmead Hospital.

(4) The Royal Newcastle Hospital and the Lidcombe State Hospital shall each become affiliated hospitals, separate from the regional concept proposed in paragraph (3).

(5) The regional groupings of teaching hospitals and affiliated hospitals shall be used for both undergraduates and postgraduate medical education.

It is understood that there will be no cost involved to the University in the development of the proposed affiliated hospitals.

It is envisaged that the Warden or Clinical Supervisor in charge of the Clinical School of the parent hospital will, under the direction of the Board of Medical Studies of the Hospital and in conjunction with the appropriate university departments, be responsible for establishing and maintaining teaching arrangements with the affiliated hospitals.

In 1972 the Senate approved nine hospitals as affiliated hospitals in terms of the recommendations which it adopted in 1971. The hospitals are:

Rachel Forster Hospital for Women  
Western Suburbs Hospital  
Marrickville District Hospital  
Parramatta District Hospital  
Auburn District Hospital  
Balmain Hospital  
Blacktown District Hospital  
Mona Vale District Hospital  
Ryde District Hospital  
The Royal Ryde Rehabilitation Hospital  
Australian Army Malaria Research Unit

In 1979 the Senate recognised the Aboriginal Medical Service of Redfern and the Australian Army Malaria Research Unit as affiliated teaching institutions of the University. In 1980 the Senate also recognised the Royal Ryde Rehabilitation Hospital as an affiliated teaching hospital. In 1985 and 1986 the Senate recognised the Manly District Hospital, the Mt Druitt Hospital and Orange Base Hospital as affiliated teaching hospitals.

SPECIAL TEACHING  
HOSPITALS:  
ST MARGARET'S  
AFFILIATED HOSPITALS:  
UNITED DENTAL

## UNITED DENTAL HOSPITAL OF SYDNEY

The United Dental Hospital was jointly established in 1904 by the University of Sydney and the Government of New South Wales. Prior to that, there had been two separate hospitals: the Dental Hospital of Sydney, established in 1900 by the Government, and the University Dental Hospital, established in 1901.

The United Dental Hospital Act of 1904 was repealed in December 1978 and a new Act, the United Dental Hospital Act of 1978, was passed to incorporate the Hospital, vesting the ownership in the Health Commission of New South Wales and reconstituting the Board of Directors with nine members instead of the previous seven.

The Hospital is at the corner of Chalmers and Elizabeth Streets, Sydney. It is opened for treatment of patients from Monday to Friday and special cases requiring post-surgical treatment are attended to on Saturday and Sunday mornings. There is an after hours emergency clinic which is available to all members of the community.

### Purposes

(a) to provide dental treatment and preventive services to those who are in the opinion of the Hospital Board either for financial or other reasons unable to obtain treatment from private dental practitioners; and to provide a specialist and referral hospital to which dental and medical practitioners may refer patients for both dental consultation and treatment.

(b) to provide facilities for undergraduate and postgraduate education and training for students in the Faculty of Dentistry.

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# Abbreviations

ABBREVIATIONS:  
AWARDING INSTITUTIONS

Set out below is a list of some of the abbreviations used for the names of the institutions whose degrees or diplomas are held by members of the staff.

Abbreviation	Institution
<i>Aberd.</i>	Aberdeen
<i>Acad.</i>	Acadia
<i>Adel.</i>	Adelaide
<i>A.I.M.L.S.</i>	Australian Institute of Medical Laboratory Scientists
<i>Alta</i>	Alberta
<i>A.N.U.</i>	Australian National
<i>A.N.Z.C.P.</i>	Australian & New Zealand College of Psychiatrists
<i>Auck.</i>	Auckland
<i>Aust. Coll. Theol.</i>	Australian College of Theology
<i>Belf.</i>	Belfast (Queen's University of)
<i>Berl.</i>	Berlin, Friedrich-Wilhelms-Universität (pre-war)
<i>Birm.</i>	Birmingham
<i>Bom.</i>	Bombay
<i>Br. Col.</i>	British Columbia
<i>Bres.</i>	Breslau
<i>Brist.</i>	Bristol
<i>Bud.</i>	Budapest
<i>Calc.</i>	Calcutta
<i>Calg.</i>	Calgary
<i>Calif.</i>	California
<i>Cal. Tech.</i>	California Institute of Technology
<i>Camb.</i>	Cambridge
<i>Cant.</i>	Canterbury (N.Z.)
<i>Cape T.</i>	Cape Town
<i>Car.</i>	Carleton
<i>C.C.A.E.</i>	Canberra College of Advanced Education
<i>C.E.I.</i>	Council of Engineering Institutions
<i>Ceyl.</i>	Ceylon (now incorporated in Univ. of Sri Lanka)
<i>Chic.</i>	Chicago
<i>Chinese H.K.</i>	Chinese University of Hong Kong
<i>Coll. Nurs. Aust.</i>	College of Nursing, Australia
<i>C.N.A.A.</i>	Council for National Academic Awards
<i>Col.</i>	Columbia
<i>C'dia</i>	Concordia
<i>C'nell</i>	Cornell
<i>Cran. I. T.</i>	Cranfield Institute of Technology
<i>Dal.</i>	Dalhousie
<i>Dub.</i>	Dublin, Trinity College

<i>Durh.</i>	Durham
<i>Edin.</i>	Edinburgh
<i>E.L.Bud.</i>	Eotvos Lorand, Budapest
<i>Exe.</i>	Exeter
<i>Flin.</i>	Flinders University of South Australia
<i>Flor.</i>	Florida
<i>Glas.</i>	Glasgow
<i>G.T.S.(N.Y.)</i>	General Theological Seminary, New York
<i>Harv.</i>	Harvard
<i>H.K.</i>	Hong Kong
<i>Ill.</i>	Illinois
<i>Johns H.</i>	Johns Hopkins
<i>Khart.</i>	Khartoum
<i>Lanc.</i>	Lancaster
<i>LaT.</i>	La Trobe
<i>Leic.</i>	Leicester
<i>Ley.</i>	Leyden
<i>Liv.</i>	Liverpool
<i>Lond.</i>	London
<i>Lough.</i>	Loughborough University of Technology
<i>Luck.</i>	Lucknow
<i>McG.</i>	McGill
<i>McM.</i>	McMaster
<i>Macq.</i>	Macquarie
<i>Madr.</i>	Madras
<i>Mak.</i>	Makerere
<i>Manc.</i>	Manchester (Victoria University of)
<i>Manit.</i>	Manitoba
<i>Mass.</i>	Massachusetts
<i>M.C.D.</i>	Melbourne College of Divinity
<i>Melb.</i>	Melbourne
<i>Mich.</i>	Michigan
<i>Minn.</i>	Minnesota
<i>M.I.T.</i>	Massachusetts Institute of Technology
<i>Mün.</i>	Münster
<i>Murd.</i>	Murdoch
<i>Nan.</i>	Nanyang (now incorporated in National Univ. of Singapore)
<i>N'cle(N.S.W.)</i>	Newcastle (New South Wales)
<i>N'cle(U.K.)</i>	Newcastle upon Tyne (U.K.)
<i>N.E.</i>	New England
<i>Nfld</i>	Memorial University of Newfoundland
<i>Nott.</i>	Nottingham
<i>N.S.W.</i>	New South Wales
<i>N.S.W.I.T.</i>	New South Wales Institute of Technology
<i>N.U.I.</i>	National University of Ireland
<i>N.Y.</i>	New York (University)
<i>N.Z.</i>	New Zealand (now dissolved)
<i>Osm.</i>	Osmania
<i>Ott.</i>	Ottawa
<i>Oxf.</i>	Oxford
<i>Penn.</i>	Pennsylvania
<i>Pitt.</i>	Pittsburgh
<i>Pret.</i>	Pretoria
<i>Prin.</i>	Princeton
<i>Punj.</i>	Punjab (Lahore, Pakistan)
<i>Punj'i.</i>	Punjabi
<i>Q.I.T.</i>	Queensland Institute of Technology
<i>Qld</i>	Queensland
<i>Qu.</i>	Queen's (Canada)
<i>R.C.O.&amp;G.</i>	Royal College of Obstetricians and Gynaecologists
<i>R.C.P.&amp;S.</i>	Royal College of Physicians and Surgeons
<i>R'dg</i>	Reading

ABBREVIATIONS	<i>R.M.I.T.</i>	Royal Melbourne Institute of Technology
	<i>Roch.</i>	Rochester
	<i>Salf.</i>	Salford
	<i>Sheff.</i>	Sheffield
	<i>Sing.</i>	Singapore
	<i>St.And.</i>	St. Andrews
	<i>S'ton</i>	Southampton
	<i>Stan.</i>	Stanford
	<i>S.T.C.</i>	Sydney Technical College
	<i>Stell.</i>	Stellenbosch
	<i>Strath.</i>	Strathclyde
	<i>Sus.</i>	Sussex
	<i>Syd.Teach.Coll.</i>	Sydney Teachers College
	<i>Syr.</i>	Syracuse
	<i>Tas.</i>	Tasmania
	<i>Tehr.</i>	Teheran
	<i>Tor.</i>	Toronto
	<i>U.M.I.S.T.</i>	University of Manchester Institute of Science and Technology
	<i>U.T.S.(N. Y.)</i>	Union Theological Seminary, New York
	<i>Vic.B.C.</i>	Victoria (British Columbia)
	<i>Vic.I.C.</i>	Victorian Institute of Colleges
	<i>Warw.</i>	Warwick
	<i>Wash.</i>	Washington (Seattle)
	<i>Wat.</i>	Waterloo
	<i>W.Aust.</i>	Western Australia
	<i>Well.</i>	Victoria University of Wellington
	<i>W'gong</i>	Wollongong
	<i>W.I.</i>	West Indies
	<i>Wis.</i>	Wisconsin
	<i>Witw.</i>	Witwatersrand, Johannesburg
	<i>W.Ont.</i>	Western Ontario

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# Bequests and donations to the University

## Conditions

It is suggested that any special request as to the application of a bequest or donation be expressed in terms as general as possible unless, of course, previous consultation has taken place with representatives of the University. Otherwise the University may be hampered in carrying out the real intention of a testator by detailed directions which are unsuitable in the then circumstances.

## Investment powers

A bequest to the University frequently takes the form of shares or fixed interest investments. It is suggested that intending benefactors may care to consider making the necessary legal arrangements to permit the University to invest in a wide range of securities, thus allowing the University to protect the bequest against monetary depreciation.

This particular provision could be made in the following form:

*In addition to its express powers of investment, the University may invest moneys, the subject of this bequest or arising from the realisation into money of the subject of the bequest, and any income earned thereon in real estate, shares, stocks, bonds, notes, debentures or other securities or obligations of any Australian company whose assets exceed its liabilities by \$10 million.*

## Taxation

All donations to the University of Sydney by private individuals or organisations are allowable deductions for income tax purposes under a provision of Section 78 of the Income Tax Assessment Act.

Under the Taxation Incentives for the Arts Scheme, gifts to the Macleay and Nicholson Museums, the Power Gallery of Contemporary Art and the University Rare Book and Special Collections Library are also allowable deductions.

Confidential assistance is available from the Registrar and Deputy Principal (Mr Keith Jennings) or the Deputy Principal and Bursar (Mr Stephen Harrison). They will also provide guidance to your professional advisers to help them carry out your wishes.

Since the 1850s the University's independent advancement has been fostered by benefactions of far-sighted individuals and companies. Great benefactors, such as those recognised in the Challis, McCaughey and Bosch Chairs, and in the Fisher Library, made developments in teaching and research possible. Recent professorial appointments in Otolaryngology and Rheumatology have continued this tradition.

Major benefactions, such as the Livingston, Spurway and McGrath bequests, have enabled the University to enter new fields. Equally significant have been the many other bequests which have been for such purposes as research and equipment funding, scholarships and fellowships, library acquisitions and the physical fabric of the University.

## Forms of Bequest

A bequest to the University could be made in the following form:

*I give to the University of Sydney the sum of \$..... which I direct to be paid free from all duties thereon to the Vice-Chancellor of the said University, and to be applied for the purposes of the University in such manner as the Senate thereof may determine.<sup>1</sup>*

OR

*I give to the University of Sydney free from all duties thereon my property at ..... (or my shares/debentures, or as the case may be) to be applied for the purposes of the University in such manner as the Senate thereof may determine.<sup>1</sup>*

OR

*I give, devise and bequeath to the University of Sydney the whole (or the residue) of my estate of whatsoever nature or kind and wheresoever situated to be applied for the purposes of the University in such manner as the Senate thereof may determine.<sup>1</sup>*

<sup>1</sup> Any special condition regarding the bequest, or the use thereof, which the donor may wish to impose, may be added here.

