



The University of New South Wales

Calendar

Summary Volume

1980

**Arms of
The University of
New South Wales**



Granted by the College of Heraldry, London
3 March 1952

Heraldic Description of Arms

Argent on a Cross Gules a Lion passant guardant between four Mullets of eight points Or a Chief Sable charged with an open Book proper thereon the word SCIENTIA in letters also Sable.

The lion and the four stars of the Southern Cross on the Cross of St George have reference to the State of New South Wales which brought the

University into being; the open book with SCIENTIA across its page reminds us of its original purpose. Beneath the shield is the motto 'Manu et Mente', which is the motto of the Sydney Technical College, from which the University has developed. The motto is not an integral part of the Grant of Arms and could be changed at will; but it was the opinion of the University Council that the relationship with the parent institution should in some way be recorded.



The University of New South Wales

Calendar

Summary Volume

1980

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New South Wales is:

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University of New South Wales—Periodicals

Subjects, courses and any arrangements for courses including staff allocated, as stated in the Calendar or any Handbook 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 subjects, courses, arrangements or staff allocations at any time without notice.

Information in this Calendar has been brought up to date as at 10 September 1979, but may be amended without notice by the University Council.

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Calendar of Dates

The academic year is divided into two sessions, each containing 14 weeks for teaching. There is a recess of five weeks between the two sessions and there are short recesses of one week within each of the sessions.

Session 1 commences on the first Monday of March.

The Academic Year

1980

Session 1 (14 weeks)	3 March to 11 May May Recess: 12 May to 18 May 19 May to 15 June Midyear Recess: 16 June to 20 July
Examinations	17 June to 2 July
Session 2 (14 weeks)	21 July to 24 August August Recess: 25 August to 31 August 1 September to 2 November Study Recess: 3 November to 9 November
Examinations	10 November to 29 November

Faculties other than Medicine

First and Second Years	As for other faculties
Third and Fourth Years	Term 1 (10 weeks) 29 January to 6 April Term 2 (9 weeks) 14 April to 11 May May Recess: 12 May to 18 May 19 May to 22 June Term 3 (9 weeks) 30 June to 31 August Term 4 (10 weeks) 8 September to 16 November
Fifth Year	Term 1 (8 weeks) 29 January to 23 March Term 2 (8 weeks) 31 March to 25 May Term 3 (8 weeks) 2 June to 27 July Term 4 (8 weeks) 2 August to 28 September Term 5 (8 weeks) 7 October to 30 November

Faculty of Medicine

January 1980

T 1 **New Year's Day — Public Holiday**

W 2

Th 3

F 4 Last day for applications for review of results of annual examinations

S5/Su6

M 7

T 8 Australian Graduate School of Management Higher Degree Committee, 1.40 pm
Arts Higher Degree Committee, 2.15 pm

W 9

Th 10 Research and Higher Awards Committee, 10 am

F 11 Last day for acceptance of applications by Admissions Office for transfer to another undergraduate course within the University

S12/Su13

M 14 Admissions Committee of Professorial Board, 2.15 pm

T 15

W 16 Commerce Higher Degree Committee, 2 pm

Th 17 Applied Science Higher Degree Committee, 10 am

F 18 Engineering Higher Degree Committee, 10 am

S19/Su20

M 21

T 22

W 23 Professional Studies Higher Degree Committee, 2 pm

Th 24 Architecture Higher Degree Committee, 2 pm

Health Personnel Education Committee, 2 pm

F 25

S26/Su27

M 28 **Australia Day — Public Holiday**

T 29 **Term 1 begins — Medicine III, IV and V**

Australian Graduate School of Management Higher Degree Committee, 1.40 pm

Science Higher Degree Committee, 2 pm

Australian Graduate School of Management Executive Committee, 2.40 pm

W 30 Professorial Board Executive Committee, 2 pm

Th 31 Applied Science Executive Committee, 10 am

Architecture Executive Committee, 2 pm

February 1980

F	1	Military Studies Higher Degree Committee, 9.30 am Military Studies Executive Committee, 10.30 am
S2/Su3		
M	4	Public Relations Committee, 8.30 am Student Affairs Committee, 10.15 am Finance Sub-Committee, 11.30 am Personnel Sub-Committee, 12 noon Council, 2 pm Enrolment period begins for new undergraduate students and undergraduate students repeating first year
T	5	Professorial Board, 10 am
W	6	Commerce Higher Degree Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm Graduation Ceremony, Medicine, 2.30 pm
Th	7	Applied Science Higher Degree Committee, 10 am
F	8	Engineering Higher Degree Committee, 10 am Resources Allocation Advisory Committee, 2 pm Engineering Executive Committee, 2 pm
S9/Su10		
M	11	Biological Sciences Higher Degree Committee, 2 pm Admissions Committee of Professorial Board, 2.15 pm Buildings and Equipment Committee, 3 pm Biological Sciences Executive Committee, 3.30 pm Academic Committee, 4 pm
T	12	Law Executive Committee, 11 am Law Higher Degree Committee, 12 noon Australian Graduate School of Management Board of Studies, 1.40 pm Arts Higher Degree Committee, 2.15 pm
W	13	Science and Mathematics Executive Committee, 2 pm General Education Higher Degree Committee, 2.15 pm
Th	14	Research and Higher Awards Committee, 10 am
F	15	
S16/Su17		
M	18	Enrolment period begins for second and later year undergraduate students and students enrolled in formal graduate courses
T	19	Australian Graduate School of Management Higher Degree Committee, 1.40 pm Science Higher Degree Committee, 2 pm
W	20	Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	21	
F	22	Last day for undergraduate students who have completed requirements for pass degrees to advise the Registrar they are proceeding to an honours degree or do not wish to take out their degree for any other reason
S23/Su24		
M	25	Term 1 begins — Faculty of Military Studies Admissions Committee of Professorial Board, 2.15 pm Executive Committee of Council, 3 pm
T	26	Science Executive Committee, 2 pm
W	27	Professorial Board Executive Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm
Th	28	Applied Science Faculty, 10 am Architecture Faculty, 2 pm
F	29	Military Studies Higher Degree Committee, 9.30 am Engineering Higher Degree Committee, 10 am Military Studies Faculty, 10.30 am Engineering Faculty, 2 pm

March 1980

S1/Su2

M	3	Session 1 begins — all courses except Medicine III, IV and V Biological Sciences Faculty, 2 pm
T	4	Professorial Board, 10 am Arts Higher Degree Committee, 2.15 pm List of graduands for April/May ceremonies and 1979 prizewinners published in daily press
W	5	Commerce Executive Committee, 2 pm Professional Studies Executive Committee, 2 pm
Th	6	Applied Science Higher Degree Committee, 10 am Architecture Higher Degree Committee, 2 pm

F 7

S8/Su9

M	10	General Education Higher Degree Committee, 11 am General Education Executive Committee, 12 noon Personnel Sub-Committee, 12 noon Council, 2 pm
T	11	Library Committee of Professorial Board, 10.30 am Science Faculty, 2 pm Arts Executive Committee, 2.15 pm
W	12	Science and Mathematics Executive Committee, 2 pm Commerce Higher Degree Committee, 2 pm Medicine Faculty, 4.30 pm
Th	13	Research and Higher Awards Committee, 10 am
F	14	Last day for acceptance of enrolment by new undergraduate students (late fee payable)

S15/Su16

M	17	Matriculation Committee of Professorial Board, 2 pm
T	18	Administrative Procedures Committee, 10 am Science Higher Degree Committee, 2 pm
W	19	Professional Studies Faculty, 2 pm Law Faculty, 4.30 pm
Th	20	University Safety Committee, 2.15 pm
F	21	Engineering Higher Degree Committee, 10 am

S 22

Su 23 Term 1 ends — Medicine V

M	24	Executive Committee of Council, 3 pm
T	25	Australian Graduate School of Management Higher Degree Committee, 1.40 pm Science Executive Committee, 2 pm Arts Faculty, 2.15 pm
W	26	Professorial Board Executive Committee, 2 pm
Th	27	Applied Science Executive Committee, 10 am Architecture Executive Committee, 2 pm
F	28	Military Studies Higher Degree Committee, 9.30 am Engineering Executive Committee, 10 am Military Studies Executive Committee, 10.30 am Graduation Ceremony, Broken Hill, 2.30 pm Last day for acceptance of enrolment by undergraduate students re-enrolling in second and later years (late fee payable)

S29/Su30

M 31 Term 2 begins — Medicine V

April 1980

T	1	Public Relations Committee, 8.30 am Professorial Board, 10 am Australian Graduate School of Management Executive Committee, 1.40 pm Arts Higher Degree Committee, 2.15 pm Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm Student Affairs Committee, 3.30 pm
W	2	Commerce Faculty, 2 pm
Th	3	
F	4	Good Friday — Public Holiday
S	5	
Su	6	Term 1 ends — Medicine III and IV
M	7	Easter Monday — Public Holiday
T	8	Library Committee of Professorial Board, 10.30 am Buildings and Equipment Committee, 3 pm Academic Committee, 4 pm
W	9	Commerce Higher Degree Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm Science and Mathematics Executive Committee, 2 pm
Th	10	Research and Higher Awards Committee, 10 am Architecture Higher Degree Committee, 2 pm Graduation Ceremony, Commerce (First Section), 2 pm Australian Graduate School of Management Board of Management, 2.30 pm
F	11	Engineering Higher Degree Committee, 10 am Resources Allocation Advisory Committee, 2 pm
S12/Su13		
M	14	Term 2 begins — Medicine III and IV Biological Sciences Higher Degree Committee, 2 pm Biological Sciences Executive Committee, 3.30 pm
T	15	Graduation Ceremony, Applied Science, and Board of Studies in Science and Mathematics (First Section), 10 am Law Executive Committee, 11 am Law Higher Degree Committee, 12 noon Australian Graduate School of Management Board of Studies, 1.40 pm Science Higher Degree Committee, 2 pm Graduation Ceremony, Arts (First Section), and Board of Studies in General Education, 2 pm
W	16	Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	17	Applied Science Higher Degree Committee, 10 am Graduation Ceremony, Engineering (First Section), 2 pm
F	18	Last day for undergraduate students to discontinue without failure subjects which extend over Session 1 only
S19/Su20		
M	21	Advanced and Extension Studies Committee, 11 am General Education Board of Studies, 11 am
T	22	Graduation Ceremony, Board of Studies in Science and Mathematics (Second Section) and Science, 10 am Graduation Ceremony, Commerce (Second Section) and Australian Graduate School of Management, 2 pm
W	23	
Th	24	Graduation Ceremony, Architecture, 2 pm <i>Confirmation of Enrolment</i> forms despatched to all students
F	25	Anzac Day — Public Holiday
S26/Su27		
M	28	Executive Committee of Council, 3 pm
T	29	Graduation Ceremony, Arts (Second Section), 10 am Science Executive Committee, 2 pm Graduation Ceremony, Engineering (Second Section), 2 pm
W	30	Professorial Board Executive Committee, 2 pm

May 1980

Th	1	Applied Science Executive Committee, 10 am
F	2	Military Studies Higher Degree Committee, 9.30 am Military Studies Executive Committee, 10.30 am Graduation Ceremony, Board of Studies in Science and Mathematics (Third Section), Biological Sciences, and Medicine (Second Section), 10 am Graduation Ceremony, Law, 2 pm
S	3	Term 1 ends — Faculty of Military Studies
Su	4	
M	5	Last day for undergraduate students completing requirements for degrees or diplomas at the end of Session 1 to submit <i>Application for Admission to Degree</i> form
T	6	Professorial Board, 10 am Graduation Ceremony, Professional Studies, 2 pm Arts Executive Committee, 2.15 pm
W	7	Commerce Higher Degree Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm Science and Mathematics Executive Committee, 2 pm
Th	8	Applied Science Higher Degree Committee, 10 am
F	9	Engineering Higher Degree Committee, 10 am Last day for acceptance of corrected <i>Confirmation of Enrolment</i> forms
S10/Su11		
M	12	May Recess begins Personnel Sub-Committee, 12 noon Council, 2 pm
T	13	Administrative Procedures Committee, 10 am
W	14	Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	15	Research and Higher Awards Committee, 10 am Architecture Executive Committee, 2 pm Publication of provisional timetable for June/July examinations
F	16	
S	17	
Su	18	May Recess ends
M	19	Term 2 begins — Faculty of Military Studies General Education Higher Degree Committee, 11 am General Education Executive Committee, 12 noon Biological Sciences Faculty, 2 pm Matriculation Committee of Professorial Board, 2 pm
T	20	Law Executive Committee, 11 am Law Higher Degree Committee, 12 noon
W	21	Commerce Executive Committee, 2 pm
Th	22	Applied Science Faculty, 2 pm
F	23	Engineering Executive Committee, 10 am Last day for students to advise of examination timetable clashes
S	24	
Su	25	Term 2 ends — Medicine V
M	26	Admissions Committee of Professorial Board, 2.15 pm Executive Committee of Council, 3 pm
T	27	Science Higher Degree Committee, 10 am Australian Graduate School of Management Higher Degree Committee, 1.40 pm Science Executive Committee, 2 pm Arts Faculty, 2.15 pm
W	28	Professorial Board Executive Committee, 2 pm
Th	29	
F	30	
S	31	

June 1980

Su	1	
M	2	Term 3 begins — Medicine V Biological Sciences Higher Degree Committee, 2 pm Biological Sciences Executive Committee, 3.30 pm
T	3	Public Relations Committee, 8.30 am Professorial Board, 10 am Australian Graduate School of Management Executive Committee, 1.40 pm Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm Student Affairs Committee, 3.30 pm Publication of timetable for June/July examinations
W	4	Science and Mathematics Board of Studies, 2 pm
Th	5	Health Personnel Education Committee, 10 am Architecture Faculty, 2 pm University Safety Committee, 2.15 pm
F	6	Military Studies Higher Degree Committee, 9.30 am Military Studies Faculty, 10.30 am
S7/Su8		
M	9	Computing Science Committee of Professorial Board, 11 am General Education Board of Studies, 11 am Buildings and Equipment Committee, 3 pm Academic Committee, 4 pm
T	10	Library Committee of Professorial Board, 10.30 am Science Faculty, 2 pm Arts Higher Degree Committee, 2.15 pm
W	11	Commerce Faculty, 2 pm Science and Mathematics Executive Committee, 2 pm Law Faculty, 4.30 pm
Th	12	Research and Higher Awards Committee, 10 am Architecture Higher Degree Committee, 2 pm Architecture Executive Committee, 3 pm
F	13	Resources Allocation Advisory Committee, 2 pm Engineering Faculty, 2 pm
S	14	
Su	15	Session 1 ends
M	16	Queen's Birthday — Public Holiday Midyear Recess begins
T	17	Examinations begin Australian Graduate School of Management Board of Studies, 1.40 pm Science Executive Committee, 2 pm Special Mature Age Admissions Scheme Meeting, 7 pm
W	18	Commerce Higher Degree Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm Medicine Faculty, 4.30 pm Special Mature Age Admissions Scheme Meeting, 7 pm
Th	19	Applied Science Higher Degree Committee, 10 am Applied Science Executive Committee, 11 am
F	20	Engineering Higher Degree Committee, 10 am
S	21	
Su	22	Term 2 ends — Medicine III and IV
M	23	Executive Committee of Council, 3 pm
T	24	Science Higher Degree Committee, 2 pm
W	25	Professorial Board Executive Committee, 2 pm
Th	26	
F	27	
S28/Su29		
M	30	Term 3 begins — Medicine III and IV

July 1980

T	1	Professorial Board, 10 am
W	2	Examinations end
Th	3	
F	4	
S5/Su6		
M	7	Matriculation Committee of Professorial Board, 2 pm
T	8	Library Committee of Professorial Board, 10.30 am
W	9	Professional Studies Executive Committee, 2 pm
Th	10	Research and Higher Awards Committee, 10 am Architecture Executive Committee, 2 pm Australian Graduate School of Management Board of Management, 2.30 pm
F	11	Military Studies Higher Degree Committee, 9.30 am Military Studies Executive Committee, 10.30 am
S12/Su13		
M	14	Personnel Sub-Committee, 12 noon Council, 2 pm
T	15	Science Executive Committee, 2 pm Examination results mailed to students
W	16	Medicine Higher Degree Committee, 2 pm Science and Mathematics Executive Committee, 2 pm Medicine Executive Committee, 3 pm Examination results displayed on University noticeboards
Th	17	Applied Science Executive Committee, 10 am Students to amend enrolment programs following receipt of June examination results
F	18	
S	19	
Su	20	Midyear Recess ends
M	21	Session 2 begins Biological Sciences Faculty, 2 pm Last day for applications for review of June examination results
T	22	Arts Executive Committee, 2.15 pm
W	23	Commerce Executive Committee, 2 pm Professional Studies Faculty, 2 pm
Th	24	Architecture Faculty, 2 pm
F	25	Engineering Executive Committee, 10 am
S	26	
Su	27	Term 3 ends — Medicine V
M	28	Admissions Committee of Professorial Board, 2.15 pm Executive Committee of Council, 3 pm
T	29	Law Executive Committee, 11 am Law Higher Degree Committee, 12 noon Australian Graduate School of Management Executive Committee, 1.40 pm
W	30	Professorial Board Executive Committee, 2 pm
Th	31	Foundation Day (no classes held)

August 1980

F	1	Last day for students to discontinue without failure subjects which extend over the whole academic year
S2/Su3		
M	4	Term 4 begins — Medicine V Biological Sciences Higher Degree Committee, 2 pm Biological Sciences Executive Committee, 3.30 pm
T	5	Public Relations Committee, 8.30 am Professorial Board, 10 am Australian Graduate School of Management Higher Degree Committee, 1.40 pm Science Higher Degree Committee, 2 pm Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm Student Affairs Committee, 3.30 pm
W	6	Commerce Faculty, 2 pm
Th	7	Applied Science Faculty, 2 pm Architecture Higher Degree Committee, 2 pm
F	8	Military Studies Higher Degree Committee, 9.30 am Military Studies Faculty, 10.30 am Resources Allocation Advisory Committee, 2 pm
S9/Su10		
M	11	General Education Higher Degree Committee, 11 am General Education Executive Committee, 12 noon Buildings and Equipment Committee, 3 pm Academic Committee, 4 pm
T	12	Administrative Procedures Committee, 10 am Australian Graduate School of Management Board of Studies, 1.40 pm Science Executive Committee, 2 pm Arts Faculty, 2.15 pm
W	13	Commerce Higher Degree Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm Medicine Faculty, 4.30 pm
Th	14	Research and Higher Awards Committee, 10 am Applied Science Higher Degree Committee, 10 am
F	15	Engineering Higher Degree Committee, 10 am
S	16	Term 2 ends — Faculty of Military Studies
Su	17	
M	18	
T	19	Arts Higher Degree Committee, 2.15 pm
W	20	Science and Mathematics Executive Committee, 2 pm Law Faculty, 4.30 pm
Th	21	
F	22	Engineering Executive Committee, 10 am
S23/Su24		
M	25	August Recess begins Executive Committee of Council, 3 pm
T	26	
W	27	Professorial Board Executive Committee, 2 pm
Th	28	University Safety Committee, 2.15 pm
F	29	
S	30	
Su	31	August Recess ends Term 3 ends — Medicine III and IV

September 1980

M	1	General Education Board of Studies, 11 am Biological Sciences Higher Degree Committee, 2 pm Biological Sciences Executive Committee, 3.30 pm
T	2	Professorial Board, 10 am
W	3	Professional Studies Executive Committee, 2 pm
Th	4	Applied Science Executive Committee, 10 am Health Personnel Education Committee, 10 am Architecture Executive Committee, 2 pm
F	5	Last day for undergraduate students to discontinue without failure subjects which extend over Session 2 only

S6/Su7

M	8	Term 4 begins — Medicine III and IV Term 3 begins — Faculty of Military Studies Personnel Sub-Committee, 12 noon Council, 2 pm
T	9	Library Committee of Professorial Board, 10.30 am Science Higher Degree Committee, 2 pm
W	10	Commerce Executive Committee, 2 pm Medicine Higher Degree Committee, 2 pm Science and Mathematics Board of Studies, 2 pm Medicine Executive Committee, 3 pm List of graduands for October graduation ceremonies published in daily press
Th	11	Research and Higher Awards Committee, 10 am
F	12	Military Studies Higher Degree Committee, 9.30 am Military Studies Executive Committee, 10.30 am Engineering Faculty, 2 pm <i>Confirmation of Enrolment</i> forms despatched to all students

S13/Su14

M	15	Last day to notify intention of attending October graduation ceremonies
T	16	Science Executive Committee, 2 pm
W	17	Professional Studies Faculty, 2 pm Science and Mathematics Executive Committee, 2 pm
Th	18	Applied Science Higher Degree Committee, 10 am
F	19	Engineering Higher Degree Committee, 10 am

S20/Su21

M	22	Executive Committee of Council, 3 pm Last day for applications from undergraduate students completing requirements for degrees and diplomas at the end of Session 2 to submit <i>Application for Admission to Degree</i> form
T	23	
W	24	
Th	25	
F	26	Last day for acceptance of corrected <i>Confirmation of Enrolment</i> forms
S	27	
Su	28	Term 4 ends — Medicine V
M	29	
T	30	Australian Graduate School of Management Executive Committee, 1.40 pm Arts Higher Degree Committee, 2.15 pm

October 1980

W 1 Professorial Board Executive Committee, 2 pm
 Commerce Higher Degree Committee, 2 pm
 Last day to apply to UCAC for transfer to another university in New South Wales

Th 2 Applied Science Executive Committee, 10 am
 Architecture Faculty, 2 pm
 Publication of provisional examination timetable

F 3
 S4/Su5

M 6 **8 Hour Day — Public Holiday**

T 7 **Term 5 begins — Medicine V**
 Public Relations Committee, 8.30 am
 Professorial Board, 10 am
 Australian Graduate School of Management Higher Degree Committee, 1.40 pm
 Science Faculty, 2 pm
 Arts Executive Committee, 2.15 pm
 Personnel Sub-Committee, 2.30 pm
 Finance Sub-Committee, 3.15 pm
 Student Affairs Committee, 3.30 pm

W 8 Commerce Faculty, 2 pm
 Medicine Higher Degree Committee, 2 pm
 Professional Studies Higher Degree Committee, 2 pm
 Medicine Executive Committee, 3 pm

Th 9 Graduation Ceremonies, 10 am and 2 pm

F 10 Military Studies Higher Degree Committee, 9.30 am
 Military Studies Executive Committee, 10.30 am
 Resources Allocation Advisory Committee, 2 pm
 Last day for students to advise of examination timetable clashes

S11/Su12

M 13 Biological Sciences Higher Degree Committee, 2 pm
 Buildings and Equipment Committee, 3 pm
 Biological Sciences Executive Committee, 3.30 pm
 Academic Committee, 4 pm

T 14 Science Higher Degree Committee, 10 am
 Administrative Procedures Committee, 10 am
 Australian Graduate School of Management Board of Studies, 1.40 pm

W 15 Science and Mathematics Executive Committee, 2 pm

Th 16 Applied Science Higher Degree Committee, 10 am
 Architecture Higher Degree Committee, 2 pm

F 17 Engineering Higher Degree Committee, 10 am

S18/Su19

M 20

T 21 Law Executive Committee, 11 am
 Law Higher Degree Committee, 12 noon
 Publication of examination timetable

W 22 Commerce Executive Committee, 2 pm

Th 23 Research and Higher Awards Committee, 10 am
 Applied Science Faculty, 10 am
 Architecture Executive Committee, 2 pm

F 24
 S25/Su26

M 27 Biological Sciences Faculty, 2 pm
 Executive Committee of Council, 3 pm

T 28 Arts Faculty, 2.15 pm

W 29 Professorial Board Executive Committee, 2 pm

Th 30

F 31

November 1980

S	1	
Su	2	Session 2 ends
M	3	Study Recess begins General Education Higher Degree Committee, 11 am General Education Executive Committee, 12 noon Admissions Committee of Professorial Board, 2.15 pm
T	4	Professorial Board, 10 am Science Executive Committee, 2 pm
W	5	Law Faculty, 4.30 pm
Th	6	University Symposium
F	7	Military Studies Higher Degree Committee, 9.30 am Engineering Executive Committee, 10 am Military Studies Faculty, 10.30 am
S	8	Term 3 ends — Faculty of Military Studies
Su	9	Study Recess ends
M	10	Examinations begin Personnel Sub-Committee, 12 noon Council, 2 pm
T	11	Library Committee of Professorial Board, 10.30 am Arts Higher Degree Committee, 2.15 pm Australian Graduate School of Management Board of Management, 2.30 pm
W	12	Commerce Higher Degree Committee, 2 pm Science and Mathematics Executive Committee, 2 pm Medicine Faculty, 4.30 pm
Th	13	Research and Higher Awards Committee, 10 am Health Personnel Education Committee, 10 am
F	14	
S	15	
Su	16	Term 4 ends — Medicine III and IV
M	17	Matriculation Committee of Professorial Board, 2 pm
T	18	
W	19	Professional Studies Higher Degree Committee, 2 pm
Th	20	Applied Science Executive Committee, 10 am
F	21	Engineering Higher Degree Committee, 10 am
S22/Su23		
M	24	Admissions Committee of Professorial Board, 2.15 pm
T	25	Australian Graduate School of Management Higher Degree Committee, 1.40 pm Science Higher Degree Committee, 2 pm
W	26	Professorial Board Executive Committee, 2 pm Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	27	Applied Science Higher Degree Committee, 10 am Architecture Higher Degree Committee, 2 pm University Safety Committee, 2.15 pm
F	28	
S	29	Examinations end
Su	30	Term 5 ends — Medicine V

December 1980

M	1	General Education Board of Studies, 11 am Biological Sciences Higher Degree Committee, 2 pm Biological Sciences Executive Committee, 3.30 pm
T	2	Professorial Board, 10 am Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm
W	3	
Th	4	
F	5	
S6/Su7		
M	8	Computing Science Committee of Professorial Board, 11 am
T	9	Graduation Ceremony, Duntroon, 9.30 am
W	10	
Th	11	
F	12	Resources Allocation Advisory Committee, 2 pm
S13/Su14		
M	15	Admissions Committee of Professorial Board, 2.15 pm Executive Committee of Council, 3 pm
T	16	Examination results mailed to students
W	17	Examination results displayed on University noticeboards
Th	18	Research and Higher Awards Committee, 10 am
F	19	
S20/Su21		
M	22	
T	23	
W	24	
Th	25	Christmas Day — Public Holiday
F	26	Boxing Day — Public Holiday
S27/Su28		
M	29	
T	30	
W	31	

1981

Faculties other than Medicine

Session 1 (14 weeks)	2 March to 10 May May Recess: 11 May to 17 May 18 May to 14 June Midyear Recess: 15 June to 19 July
Examinations	16 June to 1 July
Session 2 (14 weeks)	20 July to 23 August August Recess: 24 August to 30 August 31 August to 1 November Study Recess: 2 November to 8 November
Examinations	9 November to 28 November

Faculty of Medicine

First and Second Years	As for other faculties
Third and Fourth Years*	Term 1 (10 weeks) 27 January to 5 April Term 2 (9 weeks) 13 April to 10 May May Recess: 11 May to 17 May 18 May to 21 June Term 3 (9 weeks) 29 June to 30 August Term 4 (10 weeks) 7 September to 15 November
Fifth Year	Term 1 (8 weeks) 27 January to 22 March Term 2 (8 weeks) 30 March to 24 May Term 3 (8 weeks) 1 June to 26 July Term 4 (8 weeks) 1 August to 27 September Term 5 (8 weeks) 6 October to 29 November

*Subject to revision

January	Th	1	Public Holiday
	F	2	Last day for applications for review of results of annual examinations
	F	9	Last day for acceptance of applications by Admissions Office for transfer to another undergraduate course within the University
	M	26	Australia Day — Public Holiday
February	M	2	Enrolment period begins for new undergraduate students and undergraduate students repeating first year
	T	3	Council
	M	16	Professorial Board
March	M	16	Enrolment period begins for second and later year undergraduate students and students enrolled in formal graduate courses
	M	2	Session 1 begins — all courses except Medicine III, IV and V
April	F	17	Easter — Public Holiday
	to		
	M	20	Anzac Day — Public Holiday
	S	25	

The Calendar

The Calendar is planned as a summary volume. The Faculty Handbooks are supplementary, giving detailed information about courses, subjects and requirements of a particular faculty (see back cover for details). It contains material common to all faculties and, mainly through its Index, readers are directed to particular handbooks for the information they need in expanded form.

Preface

The University

The University, the second to be established in New South Wales, is situated on 38 hectares in Kensington, an inner south-eastern suburb of Sydney. Outside that site it operates a Faculty of Military Studies, located at the Royal Military College at Duntroon in the Australian Capital Territory, the W. S. and L. B. Robinson University College at Broken Hill, New South Wales, and it has a number of research stations in other parts of New South Wales.

The University's academic activities are divided among the following faculties: applied science; architecture; arts; biological sciences; commerce; engineering; law; medicine; military studies; professional studies and science. A wide range of first degrees, higher degrees and graduate diplomas is offered and there are appropriate research facilities in these faculties. The University also operates a number of research and teaching activities and a national school of management — the Australian Graduate School of Management — which offers higher degree and other courses in management.

The enrolment in 1979 was 18,466 made up of 14,746 proceeding to bachelor degrees, 2,807 to higher degrees and 390 to graduate diplomas and 523 not seeking to proceed to any qualification.

The full-time staff supporting these activities numbers 3,769 of whom 1,367 are teaching and research staff, and 2,402 are library, technical, administrative, clerical and other staff. The Library contains approximately 920,000 volumes.

The University's total recurrent expenditure in 1979 was approximately \$77 million. There are buildings at a value in excess of \$200 million on the Kensington site.

Brief History

The University was incorporated by Act of the Parliament of New South Wales in 1949 as *The New South Wales University of Technology*. This name reflected the wish of the founders that the University should place special emphasis on science and technology and attempt to meet 'the urgent demand in Australia for increasing numbers of technologists and applied scientists'.

The first courses, leading to the degree of Bachelor of Engineering, were begun in 1948 in civil, electrical, mechanical, and mining engineering. These courses were planned to give students full-time lecture and laboratory instruction at the University for approximately half the year, with planned industrial experience for the remainder. Courses

leading to the degree of Bachelor of Science were introduced in applied chemistry and chemical engineering for the 1949 academic year, and in applied physics and wool technology for the 1951 academic year. A first degree course in architecture was established in 1950, and in 1954 a further full-time bachelor of science course (in metallurgy) and a four-year degree course in applied geology leading to the degree of Bachelor of Engineering (Geology) were offered. A four-year full-time bachelor of science course in food technology also began in 1954.

Part-time degree courses were introduced in 1954 in applied biology, applied chemistry, applied geology, chemical engineering, civil engineering, electrical engineering, food technology, general science, industrial chemistry, leather chemistry, mechanical engineering and metallurgy to enable students to remain continuously in employment related to their studies throughout the course. A part-time course was begun in applied psychology in 1955, leading to the degree of Bachelor of Science in psychology.

In 1957 full-time and part-time courses leading to the degree of bachelor of commerce and providing for specialization in accountancy, economics, statistics or applied psychology were begun; advanced courses in business administration were introduced. At the same time the full-time degree courses in textile technology and industrial engineering and hospital administration were also begun.

Although emphasis on science and technology remained a major objective, the University decided in 1958 that it should broaden its academic scope to include studies in the fields of humanities and medicine. Changes were made to the Act of Incorporation in 1958 and the name of the University changed to *The University of New South Wales*. Degree courses were begun in 1960 in arts, in 1961 in medicine, and in 1971 in law; in 1977 higher degree and other courses in business and public administration were first offered by the recently established Australian Graduate School of Management.

The act incorporating the University gives the Council power to establish colleges and departments. Under these powers a college was established in 1951 at Newcastle (it became the Independent University of Newcastle in 1965) and a college was established in 1962 at Wollongong (it became the University of Wollongong in 1975). The University has used these powers to establish and operate the W. S. and L. B. Robinson University College at Broken Hill.

Under an agreement between the University and the Department of Defence, first entered into in 1967, a Faculty of Military Studies was set up within the Royal Military College at Duntroon in the Australian Capital Territory. Courses leading to bachelor degrees of the University in arts, science, and engineering are taught by academic staff most of whom are employed by the University. The undergraduate students are cadets training to be army officers. Higher degree work and research are also undertaken. All costs are met by the Department of Defence.

The University is governed by a council of forty-three members from the State Parliament, industry and commerce, agriculture, the trade unions, professional bodies, the staff, the students and the graduates of the University. The principal academic body is the Professorial Board which receives advice on academic matters from the faculties of applied science, architecture, arts, biological sciences, commerce, engineering, law, medicine, military studies, professional studies and science and the boards of study. The faculties and boards are responsible for the teaching and examining of subjects within their scope and the Professorial Board co-ordinates and furthers the work of the faculties and boards.

Government

The chief executive officer of the University is the Vice-Chancellor and Principal who is assisted by three Pro-Vice-Chancellors. The administrative work of the University is divided between the Registrar, the Bursar and the Business Manager (Property). In addition to management duties each divisional head advises the Vice-Chancellor and Pro-Vice-Chancellors.

There are eleven full-time Deans (one for each faculty) who have considerable delegated authority in relation to the affairs of their faculties.

Donations, Gifts and Bequests

Since its foundation in 1949 the University of New South Wales has played an important role in tertiary education and, through its teaching and research, has contributed to the prosperity and development of industry and commerce in New South Wales and indeed throughout Australia. The quality of community life of the individual has also been enhanced by its work in medicine, environmental studies, engineering, the sciences and the humanities. While it receives a large measure of support from governments, the University relies to a considerable extent on funds from other sources to maintain and expand its research and to provide facilities for students and, also, to give it that additional measure of independence and freedom so necessary for the continuation of research and teaching.

In this context, as in the past, the benefactions of far-sighted individuals and companies foster the University's independent advancement. For convenience a suggested form of bequest which may be used by an intending benefactor is set out below:

'I give to the University of New South Wales 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 Council thereof may determine.'*

The University could also be nominated as a residuary beneficiary in the event that other beneficiaries predecease the testator/testatrix. Solicitors would assist drafting an appropriate will.

It is desirable that any request as to the application of a bequest be expressed in terms as general as possible unless, of course, previous consultation has taken place with a representative of the University. Otherwise the University may be hampered in carrying out the real intention of a testator by detailed directions which become unsuitable in some future conditions.

A bequest to the University frequently takes the form of shares and inscribed stock. 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.

* Any request or conditions which the testator may wish to be attached to the bequest may be added here.

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, and any income earned thereon in shares, stocks, bonds, notes, debentures or other securities or obligations of any company which is listed on any Stock Exchange in Australia.'

A bequest to the University is at present exempt from the payment of death duty and estate duty.

Gifts (not being testamentary gifts) of the value of two dollars and upwards of money, or of property other than money which was purchased by the taxpayer within twelve months immediately preceding the making of the gifts, and made by the taxpayer in the year of income, are at present allowable taxation deductions under a provision of the Income Tax Assessment Act (Commonwealth).

**Death Duty and
Estate Duty**

**Donations and Gifts—
Taxation**

The University of New South Wales

Chancellor

The Hon. Mr Justice Gordon J. Samuels, MA *Oxf.*

Deputy Chancellor

Francis Mackenzie Mathews, BE *Syd.*, Hon. DSc *N.S.W.*,
FSTC, FIEAust

Vice-Chancellor and Principal

Professor Rupert Horace Myers, CBE, MSc PhD *Melb.*,
Hon. LL.D. *Strath.*, Hon. DSc *W'gong.*, CEng, FIM, FRACI,
FAIM, FTS, MAusIMM

Pro-Vice-Chancellors

Professor Raymund Marshall Golding, MSc *Auck.*,
PhD *Camb.*, FNZIC, FInstP, FRACI

Professor John Basil Thornton, BA BSc *Syd.*

Professor Rex Eugene Vowels, ME *Adel.*, SMIEEE, CEng,
FIEAust, MIEE

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Manager-Garments, Bradmill Industries Limited

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Botany, Head, School of Botany

George Bell, ASTC, FIO

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Laurance John Brereton, MLA

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Australian Telecommunications Commission

Dixie Martha Coulton, Student, Faculty of Arts

Therese Frances Mary Delanty, MA *Syd.*, DipLib *N.S.W.*, ALAA, Senior Research Officer, Department of Youth and Community Services

Malcolm Robertson Fisher, MA *N.Z.*, PhD *Camb.*, Professor, Australian Graduate School of Management

Walter Ernest Glover, MD BCh BAO *Belf.*, Professor of Physiology, Head, School of Physiology and Pharmacology

Sir John Goodsell, CMG, Hon. DSc *N.S.W.*, FASA

James Murray Gosper, OBE, BE *Syd.*, LGE, FFB, FIArb, FIARBA, FIEAust, FAIB, Civil Engineering and Building Consultant

Peter William Harvey Grieve, CSJ, MB BS *Syd.*, FRACGP

Heinz Richard Harant, BE *N.S.W.*, ASTC, Engineer, Australian Telecommunications Commission

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Alan Hamilton Loxton, LLB *Syd.*, Solicitor, Allen, Allen & Hemsley

Guy Barrington Marks, Student, Faculty of Medicine

Francis Mackenzie Mathews, BE *Syd.*, Hon. DSc *N.S.W.*, FSTC, FIEAust

Douglas MacRae McCallum, BA *Syd.*, MA BPhil *Oxf.*, Professor of Political Science, Head of the School of Political Science, and Chairman of the Professorial Board

Lyn McCarthy, Student, Faculty of Arts

David McLeish, Secretary, Electrical Trades Union (NSW)

Cedric Edwin May, MSc *Auck.*, PhD *N.S.W.*, Research Agronomist, Agricultural Research Institute, Wagga Wagga

Roderick Pitt Meagher, QC, BA LLB *Syd.*

Ian Francis Morrison, BSc BE PhD *Syd.*, CEng, MIEAust, MIEE, MIEEE, Associate Professor, School of Electrical Engineering

Professor Rupert Horace Myers, CBE, MSc PhD *Melb.*, Hon. LLD *Strath.*, Hon. DSc *W'gong.*, CEng, FIM, FRACI, FAIM, FTS, MAusIMM, Vice-Chancellor and Principal

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Claud William Stockings, Member, General Council, United Farmers' and Woolgrowers' Association of New South Wales

John Lloyd Symonds, BSc *Adel.*, PhD *Birm.*, FInstP, FAIP, Program Manager, Power and Energy, Australian Atomic Energy Commission Research Establishment

The Hon. Joe Slater Thompson, MLC

Peter James Wildblood, PhC *Syd.*, BSc(Econ) MSc *Lond.*, Assistant Registrar

Raymond Arthur Nicol, Secretary to Council

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The Deputy Chancellor
The Vice-Chancellor and Principal
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Dr H. F. Heath
Mr P. Huggins
Professor D. M. McCallum
Mr R. M. Porter
Associate Professor S. J. Prokhovnik

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The Vice-Chancellor and Principal
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The Deputy Chancellor
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Mr J. M. Gosper
Mr P. Huggins
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Mr G. R. Ireland
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Dr C. E. May
Professor D. M. McCallum
Mr R. P. Meagher
Associate Professor I. F. Morrison
Associate Professor S. J. Prokhovnik
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Mr H. R. Harant
Professor R. J. Lawrence
Mr A. H. Loxton
Professor D. M. McCallum
Mr W. P. Nicholas
Associate Professor S. J. Prokhovnik
The Hon. J. S. Thompson
Mr P. J. Wildblood

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The Deputy Chancellor
Member of Council nominated by association representing staff members or member of Council nominated by appellant students

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Professor D. M. McCallum

Vice-Chairman

Professor K. C. Marshall

Members Ex Officio

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The Deputy Chancellor

The Vice-Chancellor

The Registrar

Members

School

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Electrical Engineering

Professor J. E. Andersen

Science (Broken Hill)

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Botany

Professor P. V. Angus-Leppan

Surveying

Professor R. Baker

Social Work

Professor R. J. Ball

Australian Graduate School of Management

Professor R. J. Bearman

Chemistry (Military Studies)

Professor F. C. Beavis

Applied Geology

Professor B. D. Beddie

Government (Military Studies)

Professor G. Bennett

Mechanical & Industrial Engineering

Professor J. Beveridge

Paediatrics

Professor R. B. Blacket

Medicine

Professor J. M. Blatt

Mathematics

Professor W. R. Blunden

Transport & Highways

Professor J. S. Bowles

Metallurgy

Associate Professor D. Broadbent

Division of Postgraduate Extension Studies

Professor C. H. P. Brookes

Accountancy

Professor G. Brown

Mathematics

Professor L. B. Brown

Psychology

Professor R. A. A. Bryant

Mechanical & Industrial Engineering

Professor V. T. Buchwald

Mathematics

Professor J. C. Burns

Mathematics (Military Studies)

Professor H. M. Carey

Obstetrics & Gynaecology

Professor A. S. Carrington

Accountancy

Professor G. W. K. Cavill

Chemistry

Professor M. Chaikin

Textile Technology

Professor T. G. Chapman

Civil & Mechanical Engineering (Military Studies)

Professor J. S. J. Chaussivert

French

Professor M. R. Chesterman

Law

Professor T. Cizova

Russian

Professor G. N. Cooper

Microbiology

Professor M. Cooper

Education

Professor K. R. Cox

Centre for Medical Education Research and Development

Professor F. K. Crowley

History

Professor E. C. Daniels

Architecture

Professor H. L. Davies

Wool & Pastoral Sciences

Professor L. W. Davies

Electrical Engineering

Professor J. Davis

Australian Graduate School of Management

Professor T. J. Dawson

Zoology

Professor D. J. Drinkwater

Education

Professor R. K. Duggins

Mechanical Engineering (Military Studies)

Professor D. C. Dunphy

Marketing

Professor R. A. N. Edwards

Food Technology

Professor S. Encel

Sociology

Professor F. J. Evans

Electrical Engineering

Professor M. Feughelman

Textile Technology

Professor M. R. Fisher

Australian Graduate School of Management

Professor R. B. Forrest

Surveying

Professor R. T. Fowler

Chemical Engineering

Professor J. M. Freeland
Architecture

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Geography

Professor W. E. Glover
Physiology & Pharmacology

Professor R. M. Golding
Chemistry

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Mathematics

Professor J. R. Hewson
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John Malcolm Hutcheson, MC, BE *Syd.*, BCom *Qld.*,
MBA *N.S.W.*, FIEAust, FID, FIArbA, AAUQ, LGE,
AASA(Snr), AFAIM, AAIB, ACIS
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Graham Edward Levido, BBuidl MSc(Building) *N.S.W.*, AAIB
James Francis Mooney, MBuidl *N.S.W.*, ASTC, FIQSA, FIArbA

Lecturers

Ojars Indulis Grete, ME *N.S.W.*, DEng *Calif.*
Bruce Hedford Hawkins, BE *W.Aust.*
Martin Marosszeky, BE *N'cle.(N.S.W.)*, MEngSc *N.S.W.*,
MIEAust
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Thomas Edward Uher, BBuidl MSc(Building) *N.S.W.*, AAIB

School of Town Planning

Professor of Town Planning and Head of School

Hans Leo Westerman, ME *Delft*, FRAPI, MIEAust

Associate Professor

Elias David Duek-Cohen, MA *Oxf.*, BArch *Liv.*, DipTP *Lond.*,
FRAPI, MRTPI, ARIBA, ARAIA

*Retired from the University, 31 December 1979.

Senior Lecturers

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James Leslie King, BArch MTCP *Syd.*, FRAPI
Zula Nittim, BArch *Melb.*, DipCD PhD *N.S.W.*, FRAIA, MRAPI
Robert Bolles Zehner, BA *Amh.*, MA PhD *Mich.*

Lecturers

Stephen Harris, BTP *N.S.W.*, MRAPI
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Professor of Architecture and Head of School

John Maxwell Freeland, DFC, MArch DTRP *Melb.*, MArch DLitt *N.S.W.*, LFRAIA, FRSA

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Nelly Andrée Pointis, LèsL *Paris*

Françoise Josette Saint, MèSL LèsL CAPES *Paris*

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Konrad Kwiet, DrPhil habil *F.U. Berlin*

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Professor of History and Head of School

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Lecturer

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Professor of Sociology and Head of School
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Professor of Sociology
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CertD'EtudesSup *Bordeaux*
Mira Crouch, BA *Syd.*
Kate Frances Inglis, BA *Hull*

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MA *Univ. of Nebraska*, PhD *The Vanderbilt Univ.*
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John Stevenson, MA *Essex and Lond.*

*Resigned from the University, 31 December 1979.

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Edward Owen Paul Thompson, MSc DipEd Syd.,
PhD ScD Camb., ARACI

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Michael Richard Edwards, MA PhD *Camb.*
Ian James McFarlane, BSc PhD *Syd.*
Kenneth Edward Moon, BSc PhD *N.S.W.*

Senior Tutor

Jill Lorraine Gibbons, BSc *Syd.*

Tutors

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Professor of Botany and Head of School

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Senior Tutor

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Pamela Athalie Deidre Rickard, BSc *Syd.*, MSc *N.S.W.*,
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Lecturer

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Professor of Microbiology
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Professor
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Iain Couperwhite, BSc PhD *Strath.*

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Executive Assistant

Nina Kingston

Administrative Assistant

Lesley Ritchie, BA Syd., DipEd N.S.W.

Department of Accounting

Senior Lecturers

Ronald Gordon Dryen, BA N.S.W., FASA

Victor Andrew Fatseas, MCom N.S.W., AASA(Senior)

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Malcolm Conrad Miller, MCom N.S.W., FASA, FCA, ACIS

Lecturers

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Lawrence Albert Blackett, MCom N.S.W.

Brian Booth, BCom Qld., MCom N.S.W., AASA(Senior), AAUQ

Albert Ewart Hussey, BEc Syd., AASA(Senior), ACIS

Nina Kingston, MCom N.S.W., DipCom Syd., AASA(Senior)

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AAUQ(Prov), AASA(Senior)
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MA(HospAdmin) *Iowa*, AHA
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AASA(Senior), ACIS
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ACA, AASA(Senior)
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Department of Industrial Engineering

Includes Operations Research and Production Engineering.

Associate Professors

Michael Geoffrey Stevenson, BSc(Tech) PhD *N.S.W.*, ASTC, CEng, FIEAust, MIProdE
Jack Taylor, BSc *Nott.*, CEng, FIMechE

Senior Lecturers

Leonard Edward Farmer, BE MEngSc PhD *N.S.W.*, MIEAust
Thomas Richard Jefferson, MSc *Tor.*, PhD *Northwestern*
Grier Cheng Lin, DipMechEng *P.T.I.T., Taiwan*, PhD *N.S.W.*, MIEAust
Bruce Albert Murtagh, ME *Cant.*, PhD *Lond.*, DIC, CEng, MICHemE
Raymond Norman Roth, BE PhD *N.S.W.*, CEng, MIEAust
Carlton Henry Scott, BSc *Qld.*, PhD *N.S.W.*
Graham Smith, BE MEngSc PhD *N.S.W.*, ASTC, MIEAust

Lecturer

Daniel Goodridge, DiplIngChim *L'Aurore, Shanghai*, DiplIndEng *N.S.W.*

School of Nuclear Engineering

Professor of Nuclear Engineering and Head of School

James Joseph Thompson, BE PhD *Syd.*, FIEAust

Associate Professors

Paul Robert Barrett, MSc PhD *Birm.*, FAIP, MinstP
Zdenek Josef Holy, DiplIng *Prague*, MSc *Birm.*, MEngSc PhD *N.S.W.*, MIEAust

Senior Lecturer

Leslie George Kemeny, BE *Syd.*, MIEAust

Lecturer

Olaf Oscar Carlos Alexander Bills, DiplIng *Berl.*, PhD *N.S.W.*

Professional Officer

Peter Yo Pin Chen, BSc MEngSc ME PhD *N.S.W.*, ASTC

School of Surveying

Professor of Surveying, Head of School and of Department of Geodesy

Peter Vincent Angus-Leppan, BSc(Eng) *Rand.*,
PhD DipTP *Natal*, FISAust, MILS(Natal), MAIC

Professor of Surveying and Head of Department of Photogrammetry

Robert Brewster Forrest, BA *Minn.*, DGeodSci *Ohio State*

Associate Professor of Surveying and Head of Department of Surveying

George Gordon Bennett, MSurv *Melb.*, PhD *N.S.W.*,
RegSurv(NSW), FISAust, MIN

Administrative Officer

Joseph Valentine Fonseca, BA *Lond.*

Professional Officers

Norman John Brinsden, BE *N.S.W.*

Linda Louise Dawson, BSc *Syd.*

Colin Edward Wardrop, BSc *N.S.W.*

John Charles Trinder, BSURV PhD *N.S.W.*, MSc *I.T.C. Delft*,
RegSurv(NSW), MISAust

Senior Lecturer

Bruce Crosby Forster, MSurv *Melb.*, MSc *R'dg.*, MISAust,
LS(Vic)

Lecturers

Pratap Shivabhai Amin, BSc *T.H. Delft*, MSc *Lond.*, MISAust,
MISK, CLSEA, ARICS

Leonard Berlin, BSc(LS) *Cape T.*, BSc *T.H. Delft*

Lynn Charles Holstein, MIS *N.Z.*, DipPhotogram *U.C.L.*,
RegSurv(NSW), ARICS

Ian Philip Williamson, BSURV MSURVSc *N.S.W.*, RegSurv(NSW),
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Department of Geodesy

Senior Lecturers

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MAIC, MISAust

Artur Stolz, BSURV PhD *N.S.W.*, RegSurv(NSW)

Department of Surveying

Associate Professor

John Stuart Allman, BSURV PhD *N.S.W.*, MISAust, MAIC

Senior Lecturer

Anthony John Robinson, BSURV MBA PhD *N.S.W.*,
RegSurv(NSW), MISAust, MAIC

Lecturers

Sabapathy Ganeshan, BSc *Ceyl.*, MISAust

Klaas Ids Groenhout, BSURV MSURVSc *N.S.W.*, RegSurv(NSW),
MISAust, AMAIC

Gregory Justin Hoar, BSURV PhD *N.S.W.*, RegSurv(NSW),
MISAust, MAIC

John Richard Pollard, BSc *Qld.*, BTech *S.A.I.T.*

Jean Marc Rueger, DiplIng *E.T.H. Zurich*, SIA, LS(Switz),
MISAust

Department of Photogrammetry

Includes Land Studies and Cartography.

Associate Professors

George James Forster Holden, DipPhoto *Lond.*, PhD *N.S.W.*,
FRGS, FRICS, MISAust, MAIC

Tutors

Paul Charles Covell, BSURV *N.S.W.*

Thomas Sinclair Morrison, BSURV *N.S.W.*, RegSurv(NSW)

School of Transport and Highways

Professor of Traffic Engineering and Head of School

William Ross Blunden, BSc BE Syd., FCIT(Lond), FITE(Wash), FIEAust, MStatSocAust

Senior Lecturers

Alec James Fisher, BSc Lond., PhD N.S.W., FIESAust

Robert Alexander Jones, BE W.Aust., ME Auck., MSc Lond., DIC, MSINZ, MIEAust, LS(NZ)

Ross Donald Munro, BSc W.Aust., BA Melb., FSS

Brian Shackel, BE Sheff., MEngSc PhD N.S.W., MIEAust, MASCE

Theo ten Brummelaar, BE MEngSc N.S.W., MIEAust

John Irwin Tindall, BE Qld., BCom ME N.S.W., AMIEAust

Lecturers

John Andrew Black, BA Manc., PhD Brad., MTCP Syd., AMIT

Michael Clarence Dunne, BSc PhD Adel.

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Roger Roy Hall, BSc A.N.U., MSc N.S.W., FESANZ, MIESAust

Clement Edward Quinlan, GradDip N.S.W., ASTC, MIEAust

Andrzej Waldemar Raczkowski, MgrInz T.U. Warsaw, MIEAust

Colin John Wingrove, BSc MEngSc N.S.W.

Centre for Biomedical Engineering

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Professional Officer

Walter Flicker, BE N.S.W.

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Tibor Timothy Vajda, DDS Bud., FRSM, FACBS

Faculty of Law

Comprises School of Law.

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Administrative Assistant

Judith Joan Tonkin, BA Syd.

School of Law

Professor of Law and Head of School

Ronald Sackville, LLB Melb., LL.M Yale

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Julius Stone, BA DCL *Oxf.*, LLM Hon.LLD *Leeds*, SJD *Harv.*

Professors of Law

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Donald Edward Harding, BA LLB *Syd.*, LLM *Calif.*
Robert Garth Nettheim, AM *Tufts*, LLB *Syd.*
Ivan Anthony Shearer, LLM *Adel.*, SJD *Northwestern*
Harold Whitmore, LLB *Syd.*, LLM *Yale*

Associate Professors of Law

Mark Isaac Aronson, BJuris LLB *Monash*, DPhil *Oxf.*
Robert Alexander Hayes, LLB *Melb.*, LLB *Qld.*, PhD *Monash*
Krishna Mohan Sharma, MA LLM DipLabourLaws *Raj.*,
LLM *SJD Harv.*

Senior Lecturers

John Basten, LLB *Adel.*, BCL *Oxf.*
Brian Bromberger, LLB *Melb.*, LLM *Penn.*
Brian Thomas Brooks, BA *Well.*, MA *N.Z.*, LLM *Cant.*
Terence Lionel Buddin, BA LLB *Syd.*, BCL *Oxf.*, LLM *Ill.*
Philip Newell Burgess, LLM *Well.*
Richard Colin Chisholm, BA LLB *Syd.*, BCL *Oxf.*
Michael David Coper, BA LLB *Syd.*
Malcolm David Farrier, LLB *Lond.*, DipCrim *Camb.*, LLM *Col.*
Richard Arthur Gelski, BA LLB *Syd.*, LLM *Lond.*
Patricia Hyndman, LLM *Lond.*
Jane Rue Levine, AB *Duke*, JD *Chic.*
Francis Marks, LLM *Syd.*
Norman Stephen Reaburn, LLB *Melb.*
Paul Murray Redmond, BA LLM *Syd.*
Stanley David Ross, BA *C.U.N.Y.*, MA *S.F. State*, JD *Calif.*
Michael Gerard Sexton, LLB *Melb.*, LLM *Va.*
George Graham Winterton, LLM *W.Aust.*

Lecturers

Alexander Adamovich, BEc LLB DipEd *Syd.*, LLM *Lond.*
Salahuddin Ahmed, BA LLB *Dacca*, LLM *Lond.*
Mark Charles Armstrong, BA LLB *Syd.*, LLM *N.S.W.*
Shenagh Barnes, LLM *Syd.*
Michael Leslie Blakeney, BA LLB *Syd.*
David Bentley Brown, LLB *Auck.*, DipCrim *Camb.*
Ian Malcolm Cameron, LLM *Cant.*, DipEd *Monash*,
LRSM LTCL *Lond.*
Stephen William Cavanagh, LLB *Syd.*, LLM *Lond.*
Jane Rosina Chart, BA *Syd.*, LLB *N.S.W.*
Denis John Harley, BA LLM *Syd.*, LLB *Camb.*
Ian Gordon Harrison, BA LLB *Syd.*
Catherine Marion Hetherington, BA LLB *Auck.*
Owen David Jessep, BA LLB *Syd.*, PhD *A.N.U.*
John Warren Kirkwood, BA LLB *Syd.*
Dirk John Meure, LLB *Tas.*, LLM *Sheff.*
Christopher John Rossiter, BA LLB *Syd.*
Daniel Rowland, MA *Johns H.*, LLB *Leeds*

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Simon David Wynn, BA LLB *Melb.*, LLM *Lond.*
George Zdenkowski, BA LLB *Syd.*

Tutors

Michael Robert Aitken, BA LLB *Well.*
Keven Hartley Booker, LLB *W. Aust.*
John Alexander Cole, BCom LLB *N.S.W.*
John Richard Pyke, BSc *Syd.*, LLB *N.S.W.*

Senior Research Assistants

Arthur Efen Garcia, LLB *Madrid* and *Manila*, LLM *Syd.*
Jill Barbara Hunter, BA LLB *N.S.W.*
Zena Sachs, LLB *Syd.*

Research Assistant

Francisco Esparraga, BJuris LLB *N.S.W.*

Faculty of Medicine

Comprises Schools of Anatomy, Community Medicine; Centre for Medical Education Research and Development; Schools of Medicine, Obstetrics and Gynaecology, Paediatrics, Pathology, Physiology and Pharmacology, Psychiatry, and Surgery.

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Professor of Anatomy and Head of School

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Associate Professors

Jonathan Stone, BSc(Med) PhD DSc Syd.

Charles Roger Rolleston Watson, BSc(Med) MB BS Syd. MD N.S.W.

Senior Lecturers

Darrel Ananda Fernando, BVSc Ceyl., PhD Lond.

Saw Kin Loo, MB BS Malaya, PhD Sing.

Murray Stanley Smith, BSc PhD Cant.

Istvan Joseph Türk, MD Bud.

Lecturers

Ewa Krystyna Bystrzycka, MD Lodz.

Brian Warwick Freeman, BSc Syd., PhD N.S.W.

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Michael Howard Rowe, BSc Loyola, MA PhD Calif.

Senior Tutors

Roslyn Carol Bohringer, BSc PhD N.S.W.

Prem Gemmell, PhD Punj.

Tutors

Deborah Jane Ayscough, BSc Syd.

Judith Helen Burrell, BVSc Syd., MVSc Melb.

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Shirley Gladys Maclean, BSc DipEd Syd.

Ann Swee Oon Oh, MB BS N.S.W.

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Professional Officer

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Honorary Associate

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Honorary Visiting Fellow

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School of Community Medicine

Professor of Community Medicine and Head of School

Ian William Webster, MD BS *Melb.*, FRACP

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Robert John Walsh, AO, OBE, MB BS *Syd.*, FRACP, FAA, FRCPA

Professor of Geriatrics

Peter Frank Sinnett, MD BS *Syd.*, FRACP

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*George Garrett Burniston, CMG, OBE, MB BS *Syd.*, DPRM, FACMA, FRSH

Senior Lecturers

Lawrence Yook Chee Lai, BSc PhD *W.Aust.*

Edward Maxwell Nicholls, MD BS *Adel.*

Alan Edmund Stark, BA *Adel.*, MA PhD *N.S.W.*, DipT *Adel T.C.*

Lecturer

Peter Podmore Manzie, ED, BA MB BS *Syd.*, FRACGP

Senior Tutor

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Senior Instructor

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Honorary Associate

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Centre for Medical Education Research and Development

Regional Teacher Training Centre for Health Personnel

Professor of Surgery and Director

Kenneth Russell Cox, MB MS *Melb.*, MA *Mich. State*, FRCS, FRACS, FACS

Senior Lecturers

Raja Christie Bandaranayake, MB BS *Ceyl.*, PhD *Lond.*, MEd *S.Calif.*

Michael John Bennett, BA *Keele*, MPhil *Lond.*, PhD *S. Pac.*

Lecturers

Christine Elizabeth Garrick, MB BS PhD *Syd.*

Arie Rotem, BA *Jer.*, MA PhD *Calif.*

Visiting Fellow

Geoffrey George Saville, BSc *N.S.W.*, MS EdS *Wis.*, PhD *Mich. State*, ASTC

Administrative Officer

Iris Shirley Gilfillan

Graduate Assistants

Concepcion Trelles Bretos, BA *Oberlin*

William Gee, BA *Calg.*, MEd *N.S.W.*

School of Medicine

Chairman

Professor R. B. Blacket

The Prince Henry and The Prince of Wales Hospitals

Professor of Medicine and Head of Department

Ralph Beattie Blacket, MD BS *Syd.*, FRCP, FRACP

Professor of Neurology

*James Waldo Lance, CBE, MD BS *Syd.*, FRCP, FRACP

Associate Professors

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Hal John Hester Colebatch, MD BS *Adel.*, FRACP

Alan Edward Davis, MD BS *Syd.*, BSc MA *Oxt.*, FRACP, MRCP

*Bryan Harle Gandevia, MD BS *Melb.*, FRACP

*Ian Provan Cathcart Murray, MD ChB *Glas.*, FRCPed, FRACP

Alfred W. Steinbeck, MD BS *Syd.*, PhD *Lond.*, FRCP, FRACP

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Senior Lecturers

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FRACP, MRCP

Professional Officers

Clifford Ng, MSc *N.S.W.*
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St. George Hospital

Professor of Medicine and Head of Department

William Robert Pitney, MD BS *Melb.*, FRACP, FRCPA

Associate Professor

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Senior Lecturer

Donald Sidney Pryor, MD BS *Syd.*, FRACP

Clinical Senior Lecturer

††John Patrick Edmonds, MB BS *Syd.*, FRACP

Lecturer

David John de Carle, MB BS *N.S.W.*, FRACP

Clinical Lecturers

††Peter Anthony Barrett, MB BS *N.S.W.*, FRACP, FACC
††John James Burke, MB BS *Syd.*, FRACP

St. Vincent's Hospital

Professor of Medicine and Head of Department

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Michael Francis O'Rourke, MD BS *Syd.*, FRACP

Senior Lecturers

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FRCPA
Donald John Frommer, BSc MD BS *Lond.*, FRACP, MRCP
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FRACP

Lecturer

**James Michael Hayes, MB BS *Syd.*, FRACP

Clinical Lecturer

††David Hamilton Bryant, MD BS *Syd.*, FRACP

Professional Officer

Mary Rowe, BSc *Lond.*

Department of Diagnostic Radiology

Lecturer

*Geoffrey James Harrington, MB BS *Syd.*, FRACR

**School of Obstetrics and
Gynaecology**

Professor of Obstetrics and Gynaecology and Head of School

Harvey McKay Carey, MB BS MSc DGO *Syd.*, FRACS, FRCSEd,
FRCOG

Senior Lecturers

David Charles Ross Macourt, MB BS *Syd.*, FRCSEd, MRCOG
Barry George Wren, MB BS *Syd.*, MD *N.S.W.*, MRCOG

Clinical Senior Lecturer

§Cuthbert Collingwood Fisher, MB BS *Syd.*, FRACGP,
FAustCOG, MRCOG

School of Paediatrics

Professor of Paediatrics and Head of School

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Associate Professors

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 Jagdish Mitter Gupta, MB BS *Malaya*, MD *Sing.*, DCH *Lond.*,
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 Darcy William O'Gorman Hughes, MB BS *Syd.*, MD *N.S.W.*,
 FRACP
 Leslie Herbert Stevens, MB ChB BSc *N.Z.*, PhD *Lond.*, FRACP

Senior Lecturers

Gabriel Antony, MD *Bud.*, FRACP, LRCPSEd, LRFPSGlas,
 DABP, DABPE
 John Douglas Mitchell, MB BS *Melb.*, FRACP

Lecturer

*John Bernard Ziegler, MB BS *Syd.*, FRACP

School of Pathology

Professor of Pathology and Head of School

Athol William John Lykke, MD BS *Adel.*, FRCPA, MRCPATH

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*Douglas Duncan Smith, MD ChB *Glas.*, FRCPA, MRCPATH

Senior Lecturers

Cameron Rolfe Howlett, BVSc PhD *Syd.*, MRCVS, MACVSc
 Ruth Evelyn Mitchell, BMedSc MD ChB *Otago*,
 DCH(RCP&RCS)
 **Vincent Frederick Munro, MB BS DCP *Syd.*, FRCPA
 Jimmy Leng Chai Yong, BSc(Med) MB BS PhD *N.S.W.*

Clinical Senior Lecturer

§Robert Andrew Osborn, MD BS BSc *Lond.*, FRCPA, FRCPATH,
 MRCPED, MAACB, MIAC

Lecturers

Brian Thomas French, MB BS DCP *Syd.*, MRCPATH
 Rakesh Kamal Kumar, MB BS *All India IMS*
 Shirley Grace Higgins, MB BS *Syd.*, MD *N.S.W.*

Honorary Associates

Gordon Thomson Archer, MB BS DCP *Syd.*, FME, FRCPA
 Robert James Bartholomew, AO, BSc *Syd.*, PhD *Lond.*, ASTC,
 FRACI, FAACB
 George Michael Watson, MB BS *Adel.*, DPhil *Oxf.*, FRCPA,
 MRCP, MRACP

School of Physiology and Pharmacology

Professor of Physiology and Head of School

Walter Ernest Glover, MD BCh BAO *Bell.*

Professor†

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 FAA

Professor of Clinical Pharmacology

Denis Newell Wade, BSc(Med) MB BS *Syd.*, DPhil *Oxf.*,
 FRACP

Associate Professors

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 Douglas Ian McCloskey, BSc(Med) MB BS *Syd.*, DPhil *Oxf.*,
 FRACP
 Mark Joseph Rowe, BPharm MSc *Syd.*, PhD *N.S.W.*

Senior Lecturers

Peter Hosford Barry, BSc PhD *Syd.*
 John Joseph Carmody, MD BS *Qld.*
 Peter Raymond Carroll, BPharm MSc PhD *Syd.*
 David George Garlick, BSc(Med) MB BS *Syd.*, PhD *A.N.U.*
 **David Brunton Gibb, BSc(Med) MB BS *Syd.*,
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 Eugenie Ruth Lumbers, MD BS *Adel.*

Lecturers

Gary George Graham, MSc PhD *Syd.*
 Bruce Stanley Nail, BSc *W.Aust.*, DPhil *Oxf.*
 **Robert Charles Wright, MB BS *Syd.*, FFARACS, FRACP

Senior Tutors

Helen Allars, BSc *Syd.*
 Michael Alan Perry, MRurSc *N.E.*, PhD *N.S.W.*

Tutors

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 Denise Anne Edwards, BSc *Syd.*
 Rekha Sharma, MSc *Delhi*

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†In the field of physiology

Professional Officer
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School of Psychiatry

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*John Ewart Cawte, MD BS *Adel.*, DPM *Melb.*, PhD *N.S.W.*,
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Nathaniel McConaghy, MB BS *Qld.*, BSc MD DPM *Melb.*,
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Senior Lecturers

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Susie Eva Maria Owen, MB BS *Syd.*, MD *N.S.W.*, DCH *Glas.*,
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Lecturers

Gaye Emily Butt, BA PhD *N.S.W.*
**James Graham Durham, MB BS *Adel.*, DPM *Melb.*,
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*Richard John Perkins, MB BS *Lond.*, DPM(RCP&RCS),
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*Noel Maurice Wilton, MB BS *Syd.*, FRACP, FRANZCP

Tutor

Helen Margaret Christensen, BA *Syd.*

School of Surgery

Chairman
Professor R. M. Mitchell

The Prince Henry and The Prince of Wales Hospitals

Professor of Surgery and Head of Department
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Associate Professor of Ophthalmology
Frederick Cossom Hollows, MB ChB *N.Z.*, DO *Lond.*, FRCS

Associate Professor
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*John Saxon Wright, MB BS *Syd.*, FRACS, FACS

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Lecturer
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Associate Professor

Reginald Sidney Albert Lord, MD BS Syd., FRCS, FRACS

Lecturers

Antony Robert Graham, MB BS N.S.W., FRCS, FRACS

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Department of Anaesthetics and Resuscitation

Senior Lecturers

*George Madgwick Davidson, MB BS DA Syd., FFARACS

**Gordon Alfred Harrison, MB BS Syd., FFARACS

*Thomas Andrew Gabriel Torda, MB BS Syd., MD N.S.W.,
DA Lond., DipABA, FFARCS, FFARACS

Lecturer

§Colin Richmond Climie, MB ChB N.Z., FFARCS, FFARACS

Department of Traumatic and Orthopaedic Surgery

Hugh Smith Professor of Traumatic and Orthopaedic Surgery
and Head of Department

Ronald Lawrie Huckstep, CMG, MA MD Camb., FRCSEd,
FRCS, FRACS

Animal Facilities

Director

Roderick Lachlan McEwin, BVSc Qld., MRCVS

Biomedical Mass Spectrometry Unit

Manager

Alan Malcolm Duffield, BSc PhD W.Aust., FRACI

Professional Officer

Raymond Keith Christopher, FRMIT, ARACI

Electron Microscope Unit

Electron Microscopist

Melvyn Roderick Dickson, BSc N.Z., PhD A.N.U., DipRMS

Medical Illustration Unit

Officer-In-Charge

Kenneth Walter Deason, AIMBI, ARPS, AIAP

Clinical Teaching Administration

Teaching Hospitals

The Prince Henry and Prince of Wales Hospitals

Senior Administrative Officer (Medical)

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St. George Hospital

Warden of Clinical Studies

Benedetto Haneman, MB BS Syd., FRACP

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Warden of Clinical Studies

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Royal Hospital for Women

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Associated Hospitals

Canterbury Hospital

Honorary Clinical Supervisor

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Lewisham Hospital

Clinical Supervisor

Gregory John Leslie, MB BS Syd., FRCS, FRACS

Sutherland Hospital

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George Meredith Stathers, MB BS Syd., FRACP

Royal Military College, Duntroon, ACT

Faculty of Military Studies

Comprises Departments of Economics, Geography, Government, History, Language and Literature, Mathematics, Chemistry, Physics, Civil Engineering, Electrical Engineering, Mechanical Engineering; with tuition in Military Art, Military Science, and Military Technology.

Dean

Professor G. V. H. Wilson

Chairman

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 Jozef Wilczynski, BSc(Econ) PhD Lond., BEd Melb.,
 MEc A.N.U., DSc N.S.W.

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 DipLib N.S.W.

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 Beverley Mary Male, BA PhD A.N.U.
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Research Assistant

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Vacant

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 Roger Clark Thompson, BA DipEd Melb., PhD A.N.U.
 Gerald Patrick Walsh, MA DipEd Syd., MA A.N.U.

Lecturer

Peter John Dennis, BA Adel., MA PhD Duke,
 DipT(Sec) Adel.T.C., FRHS, FRSA

Tutor

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Research Assistant

Marion Kay Stell, BA A.N.U.

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Neville John de Mestre, BSc DipEd Syd., MSc W.Aust.,
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Tutor
How-Hie Ling, BE Monash

Teaching Fellow
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DipT Christchurch T.C.

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George William Gerrity, MSc Sask., PhD A.N.U.

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Eldon Percy Serjeant, MSc N.S.W., ARACI
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William Gregory Jackson, BSc PhD Melb.
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Research Scientist
Benjamin Colin Freasier, BSc PhD Louisiana

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Donn Lewis Jolly, BSc PhD Flin.

Department of Physics

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FAIP

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 PhD *N.S.W.*, FAIP, MInstP
 Edwin Dennis, MSc *Adel.*, PhD *A.N.U.*, GradAIP
 Herbert Reginald Foster, BSc *Syd.*, MSc *A.N.U.*
 Peter Lynam, BSc *Birm.*, PhD *S'ton.*, MInstP

Lecturers

Dennis Keith Fowler, MSc *N.E.*, GradAIP
 Robert William Noel Kinnear, MSc *N.Z.*, GradAIP

Teaching Fellow

Vincent DelPizzo, Laurea in Fisica *L'Aquila*, PhD *A.N.U.*

Research Associate

Donald Carruthers Price, BSc PhD *Monash*

Department of Civil Engineering

Professor of Engineering and Head of Department

Thomas Grandin Chapman, BSc *Leeds*, PhD *S'ton.*, FIEAust

Senior Lecturers

Alan John Bonham, BSc(Eng) *Lond.*, MEngSc *N.S.W.*, AKC,
 CEng, MICE, MIWE, MIEAust
 Bruce Wilfrid Golley, BE *Adel.*, MSc(Eng) PhD *Qu.*, MIEAust,
 AMASCE
 John Sneddon, BSc(Tech) *N'cle. (N.S.W.)*, BE PhD *N.S.W.*,
 MIEAust

Lecturers

Alan Alexander Curtis, BE PhD *N.S.W.*, MIEAust
 Muhammad Naseerul Haque, BSc (Engg) *Punj.*,
 MEng *A.I.T. Bangkok*, PhD *N.S.W.*, MASCE, MACI

Tutor

Joseph Petrolito, BE *Qld.*, DipE *R.M.I.T.*

Professional Engineer

Machumpurath Koru Kutty Gopalan, BSc(Eng) *Kerala*,
 PhD *N.S.W.*

Department of Electrical Engineering

Professor of Electrical Engineering and Head of Department

Harry Edward Green, ME *Adel.*, PhD *Ohio State*, CEng,
 FIEAust, FIREEAust, SMIEEE, jssc

Senior Lecturers

John Desmond Cashman, BE PhD *N.S.W.*, BA MSc *A.N.U.*
 Geoffrey Cochrane, BSc *Lond.*, PhD *N.E.*, MInstP, MIREEAust
 Cyril George Joseph Streatfield, BSc(Eng) *Lond.*, CEng, MIEE,
 MIEAust

Lecturers

Michael Charles Cavenor, BSc *Aston*, PhD *N.E.*
 Gordon Albert Moyle, ME *Auck.*, CEng, MIEAust, MIREEAust,
 MIEE, MIEEE

Teaching Fellow

John Frederick Arnold, BE MEngSc *Melb.*

Professional Engineer

Leonard Charles Farmer Whyte, BSc *A.N.U.*, MSc *Essex*

Department of Mechanical Engineering

Professor of Mechanical Engineering and Head of Department

Robert Kirby Duggins, BSc(Eng) *Lond.*, PhD *Nott.*, CEng,
 FIEAust, MIMechE

Lecturers

John Patrick Baird, BSc PhD *A.N.U.*
 Ian William Linnett, BE MEngSc *Syd.*
 David Brian Stewart, BE *N.S.W.*, ME PhD *N'cle (N.S.W.)*,
 ASTC, MIEAust
 Noel Edward Thompson, BSc *Syd.*, MSc *Birm.*

Tutor

John Stuart Childs, BE *Syd.*

Teaching Fellow

Peter Charles Wilson Frith, BE *Melb.*, MEngSc *N.S.W.*

Professional Officer

Alan Harrison Higgins, BSc *Wales*

Engineering Support Group

Professional Engineer

Ronald Edward Cottis, BSc(Eng) N.S.W.

Computer Centre

Manager

Malcolm Charles Smith, ME N.S.W.

Programmers

Russell Sydney Knock

Willma Stibbards, BSc Qld.

The following members of the staff of the Royal Military College, Duntroon, have been appointed members of the Faculty:

Department of Mechanical Engineering

A. R. Watson, BE Qld., MSc Manc., CEng, MIMechE, MIEAust

Department of Mathematics

D. L. Hoffman, BA A.N.U.

Bridges Memorial Library

Judith A. Wing, BA Syd., ALAA

The following military officers have also been appointed members of the Faculty:

Commandant, Royal Military College, Duntroon

Major-General A. L. Morrison, DSO, MBE, rcds, psc

Director of Military Art, Royal Military College, Duntroon

Colonel A. Clunies-Ross, MBE, jssc, psc, psc(US)

Student Counsellor

Lieutenant Colonel A. R. Craig, BA DipSocStud Syd., AAPsychCorps

Commanding Officer of the Corps of Staff Cadets

Lieutenant Colonel W. McDonald, BA BLitt N.E., psc, psc(US), RAInf

Chief Instructor

Lieutenant Colonel P. Davies, AM, jssc, psc, qtc, RAInf

Staff Officer 2 (Co-ordination)

Major A. Harkness, BA A.N.U., psc, pl, RAA

Staff Officer 2 (Projects)

Major R. J. McKinnon, BTech Adel., MIEAust, qtc, RAE

Company Commanders

Major R. N. Buchanan, RASigs

Major P. N. Gibson, MC, BA A.N.U., AustIntCorps

Major G. R. Hill, BA(Mil) N.S.W., RAInf

Instructors

Major K. C. Ashman, psc, RAAC

Major G. A. H. Dugdale, psc, RAInf

Major E. T. Finnimore, RNZAC

Director of Training Requirements

Colonel R. S. Flint, psc, psc(a)

Director of Training Studies

Colonel P. G. Cole, jssc, psc, psc(US)

The following members of the University located at Kensington have also been appointed members of the Faculty:

Head of the School of Chemistry: Professor S. E. Livingstone

Head of the School of Civil Engineering: Professor I. K. Lee

Head of the School of Economics: Professor J. R. Niland

Head of the School of Electrical Engineering: Professor M. W. Allen

Head of the School of English: Professor H. J. Oliver

Head of the School of Geography: Professor J. A. Mabbutt

Head of the School of History: Professor F. K. Crowley

Head of the School of Mathematics: Professor V. T. Buchwald

Head of the School of Mechanical and Industrial Engineering: Professor N. L. Svensson

Head of the School of Metallurgy: Professor H. Muir

Head of the School of Physics: Professor K. N. R. Taylor

Head of the School of Political Science: Professor P. King

Pro-Vice-Chancellor: Professor R. M. Golding

Registrar of the University: Mr K. L. Jennings

Associate Registrar of the University: Mr J. M. Gannon

Faculty of Professional Studies

Comprises Schools of Education, Health Administration, Librarianship and Social Work.

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Professor A. A. Hukins

Chairman

Professor M. Weinstock

School of Education

Professor of Science Education, Director of Science Teachers' Courses and Head of School

Austin Adolphus Hukins, MSc DipEd Syd., PhD *Alta.*, MACE

Professors of Education

Martin Cooper, BSc *Manc.*, MA(Ed) *Dal.*, PhD *Ott.*, DipEd Syd.
Desmond John Drinkwater, MA Syd., MA PhD *Lond.*, ABPS, MAPS, MACE

Professor of Education

Vacant

Senior Lecturers

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Colin Fraser Gauld, BSc DipEd PhD Syd.
James Harry Gribble, BA PhD *Melb.*, MPhil *Lond.*
Colman Kevin Harris, BA MEd Syd.
Barry Charles Newman, BA MSc PhD Syd.
Shelley Phillips, BA *Melb.*, PhD Syd.
John Sweller, BA PhD *Adel.*

Lecturers

Richard Martin Bibby, MA BD *Otago*, PhD *Monash*
Rachel MacDonald Boyd, MA PhD *Otago*
Patricia Davies, BA *C.U.N.Y.*, MSc *Lond.*
Michael Robert Matthews, BA BSc MEd DipEd Syd.
Michael Francis Petty, BA *Durh.*, DipEd MEd *Calg.*, PhD *Wis.*
Shirley Louise Smith, BA PhD Syd.
Robert Thomas Solman, BSc *N.S.W.*, BSc *Tas.*, PhD *A.N.U.*
Frederick Edward Trainer, MA PhD Syd.

Senior Administrative Officer

Jane Wholohan, BA DipEd Syd.

Research Assistant

Eric Marshall Zeppenfeld, BSc DipEd *N.S.W.*

Staff Detached from the New South Wales Department of Education

Lecturers

John Joseph Oliver Brehon, BA HDipEd *N.U.I.*, LèsL *Louvain*, MEd *N.S.W.*
Christopher Evans, BSc DipEd Syd.
Timothy Douglas Stirton Hull, BSc *N.S.W.*
Alan Laughlin, BSc MEd DipEd Syd.
Christopher Raymond Murray, BA Syd., DipEd Syd.*T.C.*, MA *Macq.*
Patricia Mary Palmer, BA DipEd Syd.
Gaye Laurette Rosen, BSc DipEd *N.S.W.*

School of Health Administration

Professor and Head of School

George Rupert Palmer, BSc *Melb.*, MEd Syd., PhD *Lond.*, FSS, FHA, Hon. FACMA

Associate Professor

John Colin Harris Dewdney, BA MD BS *Melb.*, SM *Harv.*,
DPH *Lond.*, DipFinMangt DipTertEd *N.E.*, FACMA, FHA,
MFCM, MACE

Senior Lecturers

Erica Margaret Bates, BA DipSocStud *Syd.*, PhD *N.S.W.*
Colin Grant, MA *Oxf.*, FHA
John Roger Bancks Green, ARIBA, ARAIA, AADipl

Lecturers

Philip William Bates, BCom LLB *N.S.W.*
Roger Ryerson Collins, BSc *N.S.W.*
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Helen Madeleine Lapsley, BA *Auck.*, MEc *Syd.*
Timothy John Philips, MCom *N.S.W.*, DipEd *Syd.*
Graeme Kendle Rawson, BA *N.E.*, MA *Macq.*, PhD *N.S.W.*

Tutor

Elizabeth McMaugh, BA *Syd.*, MSc *Lond.*

Administrative Assistant

Adrian L. Landa, BA *N.S.W.*

Honorary Associate

Trevor James Wood, MB BS *Melb.*, MHA *N.S.W.*, FRACP,
FACMA, FHA

Research Assistant

Mirella Frideswide Hyla Heath, BA *Lond.*

Lecturers

Baiba Beata Irving, BA *Syd.*, MA DipArchivAdmin *N.S.W.*
Michael Robert Middleton, BSc *W.Aust.*,
DipLib GradDip *N.S.W.*, ALAA
Patricia Willard, BA *N.E.*, MLib *N.S.W.*, ALAA
Concepción Shimizu Wilson, BA *Pomona*, MSLS *N.C.*, ALAA

Senior Tutor

Merilyn Jean Bryce, BA *Syd.*, DipLib *N.S.W.*, ALAA

Tutors

John Barclay, BA DipEd DipLib *N.S.W.*, ALAA
Susan Fay Burgess, BA *Cant.*, Dip *N.Z.L.S.*, ALAA

Administrative Assistant

Raymond John Locke

Research Assistant

Rosemary Helen McLauchlan, BA *Syd.*, DipLib *N.S.W.*, ALAA

School of Social Work

Professor of Social Work and Head of School

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PhD *A.N.U.*

Professor of Social Work

Ron Baker, MA *Brad.*, CertPSW *Manc.*, DipSocStud *Leic.*,
SRN, SRMN

Senior Lecturer

Gwendoline Audrey Rennison, MA *Camb.*,
CertSocSci&Admin *L.S.E.*

Lecturers

Shirley Jessie Barnes, BA DipSocWk *Syd.*, MSW *N.S.W.*
Maisry Elspeth Browne, BA DipSocStud *Syd.*, MSW *N.S.W.*
Charles Maxwell Ross Cornwell, BA BSocStud *Qld.*
Brian Anthony English, BSW *N.S.W.*

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Professor of Librarianship and Head of School

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Associate Professor

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Peter Orlovich, MA DipEd *Syd.*, MLib *N.S.W.*, ALAA

June Huntington, BA *Lond.*
Norman John Kelk, BA BSW *Qld.*, PhD *N.S.W.*
Margaret Teresa Lewis, BSocStud *Qld.*, MSW *N.S.W.*
Colin John Marshall, BA DipSocWk DipCrim *Syd.*
Martin Scott Mowbray, BSW *N.S.W.*, MSW *Syd.*
Yvonne Georgina Nadas, MSW *N.S.W.*
Erkan Ongel, BS *Ankara*, MSW PhD *Pitt.*
Sandra Regan, BA *Boston S.C.*, MSW EdM *N.Y.State*
Richard John Roberts, BA DipEd *N.E.*, BSocStud *Syd.*
Jennifer Warner Wilson, BA BSocStud *Syd.*

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Elizabeth Aureena Fernandez, MA *Madr.*

Tutors

Carmel Petrea Flaskas, BSW *Qld.*
Betty Simon, BSSW *Ohio*

Administrative Officer

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Research Officer

Diane Maree Zulfacar, BA DipSocWk *Syd.*, MSW *Smith*

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Chairman

Professor K. N. R. Taylor

Co-ordinator of Studies in Science and Mathematics

Associate Professor K. G. Rienits

Graduate Assistant

Emma Shackleton Rossi, BA *Syd.*

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Professor of Organic Chemistry

Vacant

Professor† and Head of Department of Organic Chemistry

George William Kenneth Cavill, MSc *Syd.*, PhD DSc *Liv.*, FAA, FRACI

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Professor of Chemistry

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Professor of Analytical Chemistry and Head of Department of Analytical Chemistry

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Executive Assistant to Head of School

W. J. Dunstan

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Ralph Sutton, MVO, AFAIM, psc

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Richard James Finlayson, BSc *N.S.W.*, ARACI
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Oen Bin Tio, BE *N.S.W.*

Michael Keys Withers, MSc *N.S.W.*

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Lecturers

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Paul Raymond Haddad, BSc PhD *N.S.W.*, ARACI

Department of Applied Organic Chemistry

Senior Lecturer and Head of Department

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Senior Lecturer

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Lecturer

Norman William Herbert Cheetham, BSc PhD *Qld.*

Senior Tutor

Satya Narayana Murthy Durvasula, MSc *And.*, PhD *Syd.*, ARIC

Department of Inorganic Chemistry

Associate Professor

Harold Andrew Goodwin, BSc PhD *Syd.*, ARACI

†In the field of organic chemistry.

**In the field of inorganic chemistry.

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 David John Phillips, BSc PhD *Lond.*, ARACI

Lecturer

Benjamin Sidney Morris, MSc *Syd.*, ARACI

Tutors

Manoranjan Das, BSc *Calc.*, MSc *Patna*, PhD *Boston* and *N.S.W.*, FRIC
 Rodney Jack Secomb, BSc DipEd *W.Aust.*
 William Anton Zimmermann, BSc DipEd *N.S.W.*

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Douglas John Carswell, MSc PhD DipEd *Syd.*, FRACI

Senior Lecturers

Norman Thomas Barker, MSc PhD *N.S.W.*
 Mervyn Allan Long, MSc PhD *Auck.*, ANZIC

Tutor

Anu Mikhelson, MSc DipEd *N.S.W.*, PhD *Syd.*, ARACI

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 Ronald Arthur Eade, MSc *Syd.*, PhD *Liv.*, FRACI
 Michael John Gallagher, MSc *Qld.*, PhD *Camb.*, ARACI
 John Johnson Henry Simes, MSc DipEd *Syd.*, PhD *Liv.*, FRACI

Senior Lecturers

John Lawrence Courtney, BSc PhD *N.S.W.*, ASTC, ARACI
 William John Dunstan, MSc *Syd.*, ARACI
 John David Stevens, BSc *Tas.*, PhD *N.E.*, ARACI

Lecturer

George Vernon Baddeley, BSc *Manc.*, DPhil *Oxf.*

Senior Tutor

Inno Salasoo, BSc PhD *N.S.W.*, ASTC, ARACI

Department of Physical Chemistry**Senior Lecturer and Head of Department**

Tristan John Victor Findlay, BSc PhD *St. And.*, FRACI

Associate Professors

John Lyndon Garnett, MSc *N.S.W.*, PhD *Chic.*, ASTC, ARACI
 Brian John Orr, MSc *Syd.*, PhD *Brist.*, FRACI

Senior Lecturers

David Scott Alderdice, MSc *Syd.*, PhD *Lond.*
 Brian Raymond Craven, MSc PhD *N.S.W.*, ASTC
 Gregory Stewart Buchanan, MSc *Syd.*, ARACI
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 Prosper David Lark, BEc *Syd.*, MSc PhD *N.S.W.*, ASTC, FRACI
 Alan David Rae, MSc PhD *Auck.*, ANZIC

Lecturer

Ruby Foon, MSc PhD *Melb.*

Senior Tutor

Martin Peter Bogaard, BSc PhD *Syd.*

Tutor

Judith Ellen Batts, BSc *Qld.*

First Year Chemistry**Director of First Year Classes in Chemistry**

Trevor Norman Lockyer, MSc PhD *N.S.W.*

Lecturers

Roger Bishop, BSc *St. And.*, PhD *Camb.*
 Helen Jane Dyson, BSc PhD *Syd.*
 Clive Reginald Taylor, BSc *Syd.*

Senior Tutor

Peter See Kien Chia, MSc PhD *N.S.W.*

Tutors

Joan Pauline Ross, BSc *Syd.*
 Kim Hoa Tran, BSc PhD *N.S.W.*
 Martin Richard Waterworth, BSc *Lond.*

School of Mathematics

Professor of Applied Mathematics and Head of School

Viliam Teodor Buchwald, BSc *Manc.*, MSc PhD *Lond.*, FIMA

Professor of Applied Mathematics

John Markus Blatt, BA *Cinc.*, PhD *C'nell.* and *Prin.*, FAA, FACS

Professor of Pure Mathematics

Gavin Brown, MA *St. And.*, PhD *N'cle.(U.K.)*

Professor of Statistics

Abraham Michael Hasofer, BEE *Faruk*, BEc PhD *Tas.*, MIEAust

Professor of Pure Mathematics

Derek William Robinson, MA DPhil *Oxf.*

Associate Professor and Director of First Year Studies

Angus Henry Low, MSc DipEd *Syd.*, PhD *N.S.W.*

Senior Tutors

Mandel Brender, BSc *McG.*

Donald Sidney Craig, BSc *Qld.*

Thomas Rolf Turner, BA *Vic. B.C.*, MSc *Qu.*, PhD *Mich.*

Tutors

David James Clements, BSc *Qld.*, ME PhD *N'cle.(N.S.W.)*

Felicity Alison Dewar, BSc *Qu.*

Ivan George Graham, MA *Edin.*

Janette Patricia Keevers, BSc *N.S.W.*

Paul McNamara, BSc *N.S.W.*

Bruce Clement Preston, BSc PhD *N.E.*

Fernando Viera, BE MEngSc *N.S.W.*

Robert John Wells, BSc *Tas.*

Administrative Assistant

Margaret Alison Potter, BA DipEd *Syd.*

Professional Officer

Loy Tong Yeo, BSc BE *N.S.W.*

Department of Pure Mathematics

Senior Lecturers

Peter Windeyer Donovan, BA *Syd.*, DPhil *Oxf.*

Jack David Gray, BA *Syd.*, PhD *N.S.W.*

David Christopher Hunt, BSc *Syd.*, MSc PhD *Warw.*

Ezzat Sami Noussair, BA BSc *Cairo*, PhD *Br.Col.*

John Frederick Price, MSc *Melb.*, PhD *A.N.U.*

John St. Alban Sandiford, MSc *Syd.*

Lecturers

Charles Dixon Cox, BSc DipEd *Qld.*

Shaun Anthony Requa Disney, BA BSc *Adel.*, DPhil *Oxf.*

Mary Ruth Freislich, BA *Witw.*, MA *N.S.W.*

Rodney Kelvin James, BSc PhD *Syd.*

John Harold Loxton, MSc *Melb.*, PhD *Camb.*

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Assistant Engineer

Barrie Glenn Windhurst, MEngSc *N.S.W.*, ASTC, MIEAust

Supervisor, Engineering Services

Patrick Joseph Prior

Curator

William Gregory Hart

Property Section

Senior Administrative Officer

Terence John Flitcroft, BEc *Syd.*

Administrative Assistants

Philip Cheong, BA *N.S.W.*

Roger Michael Parks, BEc *Monash*

Patrol and Cleaning Services

Superintendent

Dennis Michael McMahon

Supervisor (Patrol)

Brian Stanley

Supervisor (Cleaning)

Ronald William Knox

The University Union

Warden

Adam Taylor Cuningham, ED, BEc *Syd.*, FAIM, FCIA

The Kensington Colleges

Master

Kenneth William Bromham, ED, BA MEd DipEd *Syd.*

Warden, Basser College

Vacant

Warden, Goldstein College

Professor Anthony John Wicken, BSc PhD *Cape T.*,
MA *Camb.*, FNZIC, ARIC

Warden, Philip Baxter College

Vacant

International House

Warden

Emeritus Professor John Spurgeon Ratcliffe, MSc PhD *N.S.W.*,
ASTC, CEng, FIREE, FIEAust, FICHEME

Assistant Warden

June Hall

Prince Henry/Prince of Wales/Eastern Suburbs Hospitals

Chief Executive Officer

John Edward Delaney, BHA *N.S.W.*

Unisearch Limited

General Manager and Secretary

Barry Rosenberg

Assistant Manager

Ross Arch Lewis, BCom *N.S.W.*

Administrative Assistant

Kenneth McGregor Dick, BSc *N.S.W.*, DipEd *N'cle. (N.S.W.)*

Library

Administration Unit

University Librarian

Allan Roy Horton, BA *Syd.*, FLAA

Associate Librarian

Robert Ziegler Langker, BA *Syd.*, ALAA

Senior Administrative Officer

Ronald Walter Gilmour, BSc *N.S.W.*, DipTech *N.S.W.I.T.*

Technical Services Division

Technical Services Librarian

Adalbert Dobrovits, BA *Syd.*, DipLib *N.S.W.*, ALAA

Acquisitions Department

Acquisitions Librarian

Dora Petrie Berman, BA *Syd.*, DipLib *N.S.W.*, ALAA

Senior Librarians

Margaret Pam Glock, BA *N.E.*, ALA, ALAA

Lester Gerald Hovenden, BA *Tas.*, ALAA

Johanne Elizabeth McLachlan, BA *Qld.*, ALAA

Isabella Doris Trahn, BA *Qld.*, DipLib *N.S.W.*

Librarians

Deborah Lee Encel, BA Syd., DipLib N.S.W.
Philippa Mary Hill, BA Syd., DipLib Canberra C.A.E.
Elizabeth Jane Marcinko, BA Sask., DipLib N.S.W.
Christine Maria van der Leeuw, BA Macq., DipLib N.S.W.
Roberta Seymour Whitehead, BA Syd., DipLib N.S.W.

Senior Clerk

Warren Alan Duggin

Cataloguing Department

Head Cataloguer

Kerrie Edith Talmacs, BA Syd., DipLib N.S.W.

Deputy Head Cataloguer

Shora Gertrude de Saxe, BA HDipLib Witw.

Senior Librarian

Janne Worsley, BA DipEd Tas.

Librarians

Ronald Sherby Berman, BA Brandeis, MLS Pratt Inst., N.Y.
Margaret Brierley, BA Syd., DipLib N.S.W., ALAA
Elizabeth Hau, BA A.N.U.
Bogdan Kazimierz Lewik, MEngPhil Lodz, DipLib N.S.W.
Thomas Pill, BA Syd., DipLib N.S.W. ALAA
Janet Lyndall Robinson, BA Macq., ALAA
Irene Smith, BA DipLib N.S.W.

Systems Section

Systems Supervisor

Geoffrey Alexander Vitlin, BSc BA Syd.

Systems Analyst

Andrew Michael McBurnie, DipTech N.S.W.I.T.

Reader Services Division

Deputy University Librarian (Reader Services)

Brian Douglass Foote, BSc Qld., DDS Tor., ALAA

Audio Visual Librarian

Drummond William George McBain, MA St. And.,
DipLib N.S.W., ALAA

Reader Education Librarian

David George Reeder, BA Syd., DipLib N.S.W., ALAA

Librarian

Brigitte Ingrid Hamann, BSc Syd., DipLib N.S.W., ALAA

Joint Services

Senior Librarian

Roslyn Margaret Walker, BA Syd., ALAA

Biomedical Library

Biomedical Librarian

George Thomas Franki, BDS Syd., DipLib N.S.W., ALAA

Deputy Biomedical Librarian

Betty Waddell McEwin, BSc Adel., ARMIT, ALAA

Librarians

Monica Cecilia Davis, BA DipEd Chile, DipLib N.S.W.
Marilyn Grace Hardy, BSc Auck., DipNZLS

Prince Henry Hospital

Librarian

Joyce Barry Pate, BA Syd., DipLib N.S.W.

Law Library

Law Librarian

Robert Francis Brian, BA A.N.U., DipLib N.S.W., ALAA

Deputy Law Librarian

John Paul Moulos, BEc Syd., LLB DipLib N.S.W., ALAA

Librarians

Margaret Selina Bettison, BA DipEd Adel., ALAA
Donald William Goodsell, BA LLB Auck., DipNZLS

Physical Sciences Library

Physical Sciences Librarian

Marian Elizabeth Bate, MSc Syd., DipLib N.S.W.

Deputy Physical Sciences Librarian

Dorothy Anne Basili, BA Syd., DipLib N.S.W.

Librarians

Rhonda Joan Langford, BA Monash, DipLib R.M.I.T.
Susan McGowan, BA Wales, DipLib N.S.W.
Lionel John Robson, BA N.S.W., ALAA
Walter Duncan Rutherford, BA Syd., DipLib N.S.W.
Phin That Tjhai, BE DipLib N.S.W.

Water Research Library

Senior Librarian

Judyth Ann Shaw, MA *Syd.*, ALAA

Social Sciences and Humanities Library

Social Sciences and Humanities Librarian

Alan John Walker, BA *Syd.*, DipLib *N.S.W.*, ALAA

Deputy Social Sciences and Humanities Librarian

Pamela Margaret O'Brien, BEc *Adel.*, DipLib *N.S.W.*

Senior Librarian

Pasu Visvalingham Pasupathy, BA *Malaya*, DipEd *Syd.*,
DipLib *N.S.W.*, ALAA

Librarians

Mohammed Kazim, BA DipLib *N.S.W.*, ALAA

Rosaline Wai-Shan Lam, BSocSci *H.K.*, DipLib *N.S.W.*, ALAA

Penelope Morrell, BA DipEd *N.E.*, DipLib *Canberra C.A.E.*

Suzanne Cheryl Peters, BA *N.S.W.*

Anne Wilhelmina Van Wienen, DrEcon *Hamburg*, DipCom *Berl.*,
DipLib *N.S.W.*, ALAA

Undergraduate Library

Undergraduate Librarian

Patricia Frances Howard, BA *Syd.*, ALAA

Deputy Undergraduate Librarian

Carol Valerie Terry, BA *Syd.*, DipLib *N.S.W.*

Senior Librarian

Helen Elaine Lorne-Smith, BSc *Syd.*, DipLib *N.S.W.*, ALAA

Librarians

Judith Mary Bonner, BSW BA *Qld.*, ALAA

Caroline Ann Bowyer, BA DipEd *Syd.*, DipLib *N.S.W.*, ALAA

Douglas George Hynd, BCom DipLib *N.S.W.*

Rani Khuman, BA *PunJ.*, DipLib *N.S.W.*

Margaret Mary Penson, BA DipEd DipLib *N.S.W.*

Part-time Librarians

Cecilia Croaker, BA *Syd.*, DipLib *N.S.W.*

Prudence Mary Taylor, BA *Monash*, DipLib *N.S.W.*

Broken Hill Division

Director

Professor J. E. Andersen

W.S. and L.B. Robinson University College

Head of Department of Science

Professor John Everard Andersen, BE *Melb.*, PhD *N.S.W.*,
FIEAust, MAusIMM, ARACI

Head of Department of Mining and Mineral Sciences

Professor Leon John Thomas, BSc PhD *Birm.*, CEng, FIEAust,
MAusIMM, MIMinE

Department of Mining and Mineral Sciences

Professional Officer

Kenneth James Murray, BSc Syd., MSc N.S.W., AMAusIMM

Mechanical Engineering

Lecturers

Llewellyn Ramsay Jones, BSc N.Z., DipAm MEng Sheff.,
PhD Wales, MIEAust, MIMechE

Ian Lachlan MacLaine-cross, BE Melb., PhD Monash, MIEAust,
MAIRAH, MSES

Chakravarti Varadachar Madhusudana, BE Mys., ME I.I.Sc.,
PhD Monash, MIEAust

Mining Engineering

Senior Lecturer

Venkata Satyanarayana Vutukuri, BSc(Eng) Ban., MS Wis.,
MMGI, AIME, AMAusIMM

Mineral Science

Senior Lecturer

Barenja Kumar Banerji, MSc Patna, PhD Leeds, MAusIMM

Geology

Senior Lecturer

Gerrit Neef, BSc Lond., PhD Well., FGS

Lecturers

Ian Rutherford Plimer, BSc N.S.W., PhD Macq., AMAusIMM,
AMIMM

Kevin David Tuckwell, BSc PhD N.S.W., AMAusIMM

Department of Science

Chemistry

Lecturer

Derek Richard Smith, BSc PhD Wales

Senior Tutor

Robert Edward Byrne, MSc N.S.W., ARACI, AMAusIMM

Mathematics

Senior Lecturer

Zdenek Kviz, DipPhys Brno, CSc RerNatDr Charles, PhD
Prague

Lecturers

David Charles Guiney, BSc PhD Adel.

Dennis William Trenerry, BSc PhD Adel.

Physics

Senior Lecturer

Robert John Stening, MSc Syd., PhD Qld., DipTertEd N.E., MAIP

Lecturer

Kenneth Reid Vost, BSc Glas., MSc N.S.W., AMAusIMM

Fowlers Gap Research Station

Officer-in-Charge

John Alfred Reynolds, BSc PhD N.S.W.

Former Officers of the University

Chancellors

Wallace Charles Wurth, CMG, LLB, Hon.LLD, FSTC
1949-1960
The Hon. Sir John Clancy, KBE, CMG, LLB, Hon.DLitt,
Hon.LLD 1960-1970
Sir Robert Webster, CMG, CBE, MC, Hon.DSc, FASA
1970-1975

Deputy Chancellors

Roy William Harman, MSc, DS, FACI 1949-1953
The Hon. Sir John Clancy, KBE, CMG, LLB, Hon.DLitt,
Hon.LLD 1953-1960
Sir Robert Webster, CMG, CBE, MC, Hon.DSc, FASA
1960-1970
The Hon. Sir Kevin Ellis, KBE, LLB, BEc 1970-1975

Director

Arthur Denning, BSc DipEd, Hon.DSc, ASTC 1949-1952

Vice-Chancellor

Sir Philip Baxter, KBE, CMG, BSc PhD, Hon.DSc, FAA, FRACI,
FIEAust, MIChemE 1953-1969

Pro-Vice-Chancellors

David Watkin Phillips, BSc PhD, DipMetMin, FGS, MIMinE,
MAmerIME, MAusIMM 1955-1962
Rupert Horace Myers, CBE, MSc PhD, Hon.LLD, Hon.DSc,
CEng, FIM, FRACI, FAIM, FTS, MAusIMM 1961-1969
John Faithfull Clark, BSc MA DipEd PhD 1962-1967
Albert Henry Willis, DSc(Eng), CEng, FIMechE, FIEAust,
MemASAE, WhSc 1967-1978

Chairmen of the Professorial Board

Arthur Denning, BSc DipEd, Hon.DSc, ASTC 1949-1952
David Watkin Phillips, BSc PhD, DipMetMin, FGS, MIMinE,
MAmerIME, MAusIMM 1953-1959
Rex Eugene Vowels, ME, CEng, SMIEEE, MIEAust, FIEE
1959-1968
Horace Newton Barber, MA ScD PhD, FRS, FAA 1968-1970
Robert John Walsh, AO, OBE, MB BS, FRACP, FAA, MCPA
1970-1973

Professores Emeriti

Henry Ingham Ashworth, OBE, MA BA(Arch), FRIBA, FRAIA,
Hon.FRAIC, FAIB, MRAP
Emery Balint, MCE, PhD, FIEAust, FICE, FAIB, Hon.FAICS
Sir Philip Baxter, KBE, CMG, BSc PhD, Hon.DSc, FAA,
FRACI, FIEAust, MIChemE
Geoffrey Bosson, MSc
Eric Paul George, BSc PhD DSc, FInstP, FAIP
Arthur Stanley Hall, BSc(Eng), DIC, FIEAust, MACI
Patrick Reginald McMahon, MAgSc, PhD, FAIAS, FASAP,
ARIC
David Paver Mellor, DSc, FRACI
Christopher John Milner, MA PhD, FInstP, FAIP
Crawford Hugh Munro, BE, FRSH, FRSA, FIEAust, MASCE,
MIWE
Dennis Frank Orchard, BSc PhD, DIC, ACGI, FIEAust, FCIT,
MICE
Cecil Robert Burnet Quentin, MA
John Spurgeon Ratcliffe, MSc PhD, ASTC, CEng, FIREE,
FIEAust, FIChemE
Francis Felix Rundle, MD BS BSc, FRCS, FRACS, FACS
Eugene Bryan Smyth, Hon.DSc, ASTC, FASA, FCAA, FCIS
George Szekeres, DipChemEng, FAA, Hon.DSc
Frederick Edward Anthony Towndrow, FRIBA, FRAIA, FAPI
Leonard Charles Frederick Turner, MA, FASSA
James Matthew Vincent, DScAgr, DipBact, FAIAS
Albert Henry Willis, DSc(Eng), CEng, FIMechE, FIEAust,
MemASAE, WhSc
John Fell Dalrymple Wood, BSc BE, FIEAust, MACE

Registrar Emeritus

Godfrey Lionel Macauley, BEc 1950-1974

Bursars

Joseph Ormond Aloysius Bourke, BA 1954-1965
Edwin Hall Davis, AASA, ACIS 1966-1972

Registrars

John Charles Webb, MSc, DipMetMin, FGS, MIMinE
1949-1950
Colin George Plowman, BEc 1974-1976

Librarian

John Wallace Metcalfe, BA, FLA 1960-1966

Former Members of the Council

Stephen John Charles ANGYAL (Professor) 1957-1959
 Henry Ingham ASHWORTH (Emeritus Professor) 1970-1972
 James Johnston AUCHMUTY (Professor) 1959-1961
 Kevin James AUSTIN 1977-1979
 Frederick William AYSCOUGH (Professor) 1953-1957
 Lloyd Sydney BAKER 1955-1957
 Horace Newton BARBER (Professor) 1968-1970
 Lindley John Forbes BARRACLOUGH MLA 1974-1976
 Sidney Edgar BARRATT 1965-1977
 James Noel BARRETT 1955-1958
 William Harold BARWICK 1975-1977
 John Dennis BAXTER 1965-1967, 1975-1977
 Philip BAXTER (Emeritus Professor Sir) 1950-1969
 Richard John BECKETT 1973-1975
 Charles Brian BELCHER 1961-1965
 Ralph Beattie BLACKET (Professor) 1970-1973
 Robert Frank Etherington BOLTON 1963-1973
 Kenneth George BOOTH MLA 1962-1965
 Geoffrey BOSSON (Emeritus Professor) 1953-1955
 Frank Symonds BRADHURST 1955-1957
 Harold James BROWN (Professor) 1949-1952
 Morven Sydney BROWN (Professor) 1961-1963
 Walter Ralston BUNNING 1971-1977
 Robert Charles Philip CAIRNS (Dr) 1963-1969
 Athol Sprott CARRINGTON (Professor) 1973-1977
 Thomas Garden CARTER 1959-1962
 Malcolm CHAIKIN (Professor) 1961-1963, 1965-1969
 Colin John CHARLTON 1977-1979
 John CLANCY (The Hon. Sir) 1949-1970
 William Edward CLEGG 1947-1957

Jeffrey COHEN 1971-1973
 Kenneth COLES (Sir) 1961-1965
 Harold Graydon CONDE 1947-1959
 Michael David COPER 1973-1977
 Gerald King CRANNY 1950-1953
 John Cowan CRAWFORD 1969-1971
 Evelyn Douglas DARBY MLA 1976-1977
 Arthur DENNING 1947-1958
 Eric Alexander DICKSON 1958-1962
 Lorimer Fenton DODS (Emeritus Professor Sir) 1962-1964
 Ross Anthony DOONAN 1976-1978
 James Bartram DOUGLAS (Associate Professor) 1971-1975
 Philip John DRUMMOND 1973-1975
 Randolph Edward DUNBAR 1962-1971
 Kevin ELLIS (The Hon. Sir) 1965-1975
 Ian Thomas ERNST 1960-1965
 Raymond James Wood Le FEVRE (Professor) 1947-1948
 Francis Joseph FINNAN (The Hon.) MLA 1949-1953
 Geoffrey Francis FISHBURN (Dr) 1971-1975
 Douglas Lyons FORD 1965-1973
 Robert Thomas FOWLER (Professor) 1975-1977
 John Maxwell FREELAND (Professor) 1963-1965
 Robert Clarence GIBSON 1955-1959
 John Patrick GLASHEEN 1947-1954
 William McCulloch GOLLAN (The Hon.) MLA 1953-1962
 John Martin GREEN 1974-1976
 George Vincent HALL (Dr) 1969-1977
 Ralph Frederick HALL (Professor) 1978-1979
 Berthold HALPERN 1971-1973
 Roy William HARMAN 1947-1953
 Francis Neil HARPLEY 1975-1979
 Robert Carr HARRISON 1947-1953
 Ronald Max HARTWELL (Professor) 1955-1956
 Robert James HEFFRON (The Hon.) MLA 1947-1949
 Jeremiah HIRSCHHORN 1962-1966
 Richard Meredyth HUEY (Associate Professor) 1967-1971
 Austin Adolphus HUKINS (Professor) 1971-1975
 George Ian Dewart HUTCHESON (Captain) 1956-1965
 Richard Richmond JEREMY (Dr) 1964-1969
 Allan Robert JOHNSTON 1958-1967
 John Patrick KENNEDY 1957-1959
 James Denis KENNY (The Hon.) MLC 1960-1967
 William George KETT 1947-1962
 Robert Arthur KING (The Hon.) MLC 1949-1960
 James Norman KIRBY 1947-1955
 Walter Heath LAMBERT 1969-1977
 William Rae LAURIE (Dr) 1949-1970
 Milton Patrick McCARNEY 1968-1974
 Neil Robert McDONALD (Dr) 1973-1975
 John Gordon McKENZIE 1947-1952

David Lyon McLARTY	1957-1962	Alfred Jacobus van der POORTEN	1967-1973
James Kenneth MacDOUGALL	1948-1960	Harold Rupert VALLENTINE (Professor)	1975-1977
Reginald William John MACKAY	1960-1969	Rex Eugene VOWELS (Professor)	1959-1968
David John MAGNUSSON	1959-1961	Greig Richard WALLWORK (Associate Professor)	1973-1975
James Joseph MALONEY (The Hon.) MLC	1949-1967	Robert John WALSH (Professor)	1969-1973, 1977-1979
John Harold MASTERS	1977-1978	Geoffrey WARD	1953-1955
Julie Ann MATTHEWS	1977-1979	Edward WARREN (The Hon. Sir) MLC	1965-1977
David Paver MELLOR (Emeritus Professor)	1963-1967	Robert WEBSTER (Sir)	1947-1975
Jessica Ruth MILNER	1965-1971	Fred WILSON	1947-1953
Allan George MOYES	1969-1977	John Fell Dalrymple WOOD (Professor)	1950-1975
Paul Raymond MULRONEY	1977-1979	Jeremy Maughan WRIGHT	1975-1979
Crawford Hugh MUNRO (Emeritus Professor)	1955-1959, 1961-1965	Wallace Charles WURTH	1947-1960
Robert Kenneth MURPHY	1950-1953	Harold Stanley WYNDHAM	1952-1968
Claude Edward Courtenay NICHOLLS	1963-1969	Hedley Lawry YELLAND	1969-1977
Harold James OLIVER (Professor)	1970-1971	Diane YERBURY (Professor)	1977-1979
Peter John O'NEILL	1957-1961		
John Mitchell O'TOOLE	1977-1979		
Richard Godfrey Christian PARRY-OKEDEN (Dr)	1947-1969		
David Watkin PHILLIPS (Professor)	1952-1959		
Simon Jacques PROKHOVNIK	1966-1969		
Alan Philip PROSSER (Dr)	1975-1977		
Edward Sydney QUAY	1971-1973		
Bernhard John Frederick RALPH (Professor)	1959-1961, 1971-1975		
Leo Richard RAWSON	1971-1974		
Edward Oswald RAYNER (Dr)	1965-1969		
Gerald Frederick RHOADES	1957-1963		
Percy Dryden RIDDEL	1947-1950		
Ronald Henry RIGBY	1969-1971		
Roslyn Jane Stafford RIORDAN	1975-1977		
Gareth Edward ROBERTS (Professor)	1975-1979		
Stephen Henry ROBERTS (Emeritus Professor Sir)	1947-1969		
William Milton ROBERTSON	1971-1973		
Arthur Alfred ROBINSON	1953-1957		
John Allan RODGERS	1969-1977		
Albert Ernest ROGERS	1960-1965		
Raymond Louis ROGERSON	1953-1955		
Francis Felix RUNDLE (Emeritus Professor)	1963-1967		
Ian Antony SMITH	1975-1977		
Eugene Bryan SMYTH (Emeritus Professor)	1957-1961, 1965-1969		
Colin Arthur STAPLETON (Associate Professor)	1977-1979		
Phillip Albert SULLIVAN	1959-1960		
Robert Henry SUTHERLAND	1957-1969		
Gregory Bede THOMAS (His Hon. Judge)	1949-1970		
John Basil THORNTON (Professor)	1957-1962, 1967-1969		
Frans Willem TIMMERMAN	1973-1975		
John Joseph TOOMEY	1961-1973		
Frederick Edward TOWNDROW (Emeritus Professor)	1950-1955, 1961-1963		

Acts Relating to the University

Prior to 1969 there were four Acts which together were cited as the Technical Education and University of New South Wales Act, 1949-1965. These four Acts were (i) the *Technical Education and New South Wales University of Technology Act, 1949*; (ii) the *Technical Education and New South Wales University of Technology (Amendment) Act, 1955*; (iii) the *University of New South Wales Act, 1958*; and (iv) the *University of New South Wales Act, 1961*.

The last two of these Acts, together with portions of the first two Acts mentioned were repealed by the *University of New South Wales Act, 1968*, which commenced on 1st January, 1969. The *University of New South Wales Act, 1968*, was amended by the *University of New South Wales (Amendment) Act, 1970*, and has been further amended by the *University of New South Wales (Amendment) Act, 1978*. The incorporable amendments made by that Act have been included in the Act printed herein.

University of New South Wales Act, 1968

An Act to consolidate, with amendments, the statutory provisions relating to The University of New South Wales; to make certain consequential amendments to certain Acts; and for purposes connected therewith. [Assented to, 22nd October, 1968.]

BE it 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:

1. (1) This Act may be cited as the "University of New South Wales Act, 1968".

Short title and commencement.

(2) This Act shall commence upon a day (in this Act referred to as the "appointed day") to be appointed by the Governor and notified by proclamation published in the Gazette.

2. (1) The Acts specified in the Schedule to this Act are, to the extent therein expressed, hereby repealed.

Repeals and savings.

(2) The repeals effected by subsection one of this section and otherwise by this Act shall not

(a) prejudice or affect the continuity of the body corporate continued under the amendments made by the University of New South Wales Act, 1958, and that body corporate shall continue, subject to this Act, notwithstanding those repeals; or

(b) except to the extent that there would be an inconsistency with this Act, prejudice or affect

(i) any property of the University; or

(ii) any right, privilege or legal proceeding that, but for those repeals, might have been enforced, enjoyed, instituted or continued,

and, except to the extent of any such inconsistency, any such right, privilege or legal proceeding may be enforced, enjoyed, instituted or continued as if it had been conferred by, or had arisen under, this Act.

(3) A reference in any Act, by-law, regulation or other statutory instrument or in any certificate evidencing a degree or in any other instrument whatsoever to The New South Wales University of Technology shall be read as a reference to The University of New South Wales.

(4) A branch, department or college established by the University and being maintained by the University immediately before the appointed day may be maintained by the University as if this Act had been in force when it was so established.

(5) All regulations and by-laws made under the Acts specified in the Schedule to this Act and in force immediately before the appointed day shall, so far as they could have been made under this Act had it been in force at the relevant time, be deemed to have been made under this Act and may be amended, repealed or replaced by regulations or, as the case may require, by by-laws, made under this Act.

(6) Any delegation made by the Council under the Acts specified in the Schedule to this Act and in force immediately before the appointed day shall be deemed to be a delegation by the Council made under this Act.

**Amended, Act No. 170
1978, s. 4 (1), Schedule 2.**

**Definitions.
Act No. 11, 1949, s. 15.**

4. In this Act, unless the context or subject-matter otherwise indicates or requires
"by-laws" means by-laws made under this Act;
"Chancellor" means the Chancellor of the University;
"Council" means the Council of the University;
"Deputy Chancellor" means the Deputy Chancellor of the University;
"prescribed" means prescribed by this Act or by the regulations or by the by-laws;
"regulations" means regulations made under this Act;
"the University" means The University of New South Wales;
"Vice-Chancellor" means the Vice-Chancellor of the University.

**The University of New
South Wales.
Act No. 11, 1949, s. 16,
Act No. 24, 1958, s. 2 (a)
and Act No. 49, 1961, s. 2
(1) (a).**

5. (1) The University of New South Wales is the body corporate continued by this Act and shall consist of the Council, the professors, such other classes of persons giving instruction within the University as may be prescribed by the by-laws, such superior officers within the University as may be so prescribed, the graduates of the University and students enrolled as candidates proceeding to a degree or diploma at the University.

(1A) Notwithstanding subsection (1), a graduate of the University or a student enrolled as a candidate proceeding to a degree or diploma at the University may be exempted by the council, on grounds of conscience, from membership of the body corporate.

(2) The University shall have perpetual succession and a common seal, and shall by its corporate name of "The University of New South Wales" be capable of suing and of being sued, and of doing and suffering all such other acts and things as bodies corporate may by law do and suffer.

(3) The University shall, subject to this Act and the regulations, have power to take, purchase, hold, grant, alienate, demise, or otherwise dispose of real and personal property:

Provided that the University shall not, except with the approval of the Minister, grant, alienate, mortgage, charge or demise any real property except by way of lease for any term not exceeding twenty-one years from the time when the lease is made, in and by which there is reserved during the whole of the term, the highest rent that can reasonably be obtained without fine.

**Common seal.
Act No. 11, 1949, s. 17.**

6. (1) The common seal of the University shall be kept in such custody as the Council directs, and shall not be used except upon resolution of the Council.

(2) All courts, judges and persons acting judicially shall take judicial notice of the common seal of the University affixed to any document, and shall presume that it was duly affixed.

7. The objects of the University shall include

- (a) the provision of facilities for higher specialised instruction and advanced training in the various branches of technology and science in their application to industry and commerce;
- (b) aiding, by research and other suitable means, the advancement, development, and practical application of science to industry and commerce; and
- (c) the provision of instruction and the carrying out of research in the disciplines of humane studies and medicine and in such other disciplines as the Council may from time to time determine.

Objects of the University.
Act No. 11, 1949, s. 18.

8. (1) The governing authority of the University shall be the Council and the Council shall have and may exercise and discharge the powers, authorities, duties and functions conferred and imposed upon it by or under this Act.

The Council.
Act No. 11, 1949, s. 19.

(2) Subject to section three of this Act, the Council shall consist of

- (a) parliamentary members;
- (b) official members;
- (c) elected members, being
 - (i) elected non-student members; and
 - (ii) elected student members; and
- (d) appointed members.

Substituted paragraph,
Act No. 75, 1970,
s. 3 (1) (a).

(3) The parliamentary members of the Council shall be

- (a) a member of the Legislative Council elected by that Council as soon as practicable after the commencement of the term of service of the members of that Council elected at each election held as required by section 17F (5) of the Constitution Act, 1902; and
- (b) a member of the Legislative Assembly elected by that Assembly as soon as practicable after each general election of members of that Assembly.

Amended,
Act No. 75, 1970,
s. 2 (1) (a) (I).

Amended,
Act No. 75, 1970,
s. 2 (1) (a) (II).

(4) The official members of the Council shall be

- (a) the person for the time being holding the office of Chancellor, where he is not otherwise a member of the Council;
- (b) the person for the time being holding the office of Vice-Chancellor; and
- (c) the person for the time being holding the office of Chairman of the Professorial Board of the University.

(5) The elected non-student members of the Council shall be qualified and elected as in each case or for each class may be prescribed by this subsection and the by-laws and shall comprise

Amended,
ibid., s. 3 (1) (b).

(a)

ibid., s. 3 (1) (c).

(b) seven persons so elected by the graduates of the University;

(c) one person so elected by the professors and such other persons, being persons giving instruction within the University and superior officers within the University, as may be prescribed by the by-laws;

(d) six persons, of whom one has been so elected by each of such six of the faculties and boards of studies as the Council has, not less than one month before the closing of nominations for the election of those persons, specified for the purposes of this paragraph; and

Substituted paragraph,
ibid., s. 3 (1) (d).

(e) one person, being a full-time member of the non-academic staff of the University, so elected by the full-time members of the non-academic staff of the University;

**New proviso added,
Act No. 75, 1970,
s. 2 (1) (a) (iii).**

Provided that a person who is a full-time member of the staff of the University shall be ineligible to be elected as a member of the Council under paragraph (b) of this subsection.

**New paragraph added,
ibid.**

The by-laws may make provision for or with respect to determining whether or not a person is a full-time member of the staff of the University for the purposes of this subsection.

For the purposes of this subsection "graduate" means a person whose name appears on the list, prepared in accordance with the by-laws, of graduate electors.

**New subsection added,
Act No. 75, 1970,
s. 3 (1) (e).**

(5A) The elected student members of the Council shall comprise three persons, each qualified and elected as prescribed by the by-laws:

Provided that

(a) a person who is not a student of the University shall be ineligible to be elected as a member of the Council under this subsection; and

(b) a person who is a full-time member of the staff of the University shall be ineligible to be elected as a member of the Council under this subsection.

For the purposes of this subsection "student" means a person who is enrolled as a candidate proceeding to a degree or diploma of the University.

The by-laws may make provision for or with respect to determining whether or not a person is a full-time member of the staff of the University for the purposes of this subsection.

The by-laws may make provision for or with respect to determining whether or not a person is a full-time member of the non-academic staff of the University.

**Amended,
Act No. 75, 1970,
s. 2 (1) (a) (iv).**

(6) The appointed members of the Council shall be appointed by the Minister and, subject to subsection seven of this section, shall comprise

(a) five persons nominated in accordance with that subsection as being persons who are practising, or who have practised, in the professions;

(b) five persons nominated in accordance with that subsection as being persons experienced in industry or commerce;

(c) three persons nominated in accordance with that subsection as being persons associated with trade unions or other organisations of employees;

(d) two persons nominated in accordance with that subsection as being experienced in agricultural, pastoral or other rural affairs; and

**Amended,
ibid., s. 2 (1) (a) (v).**

(e) six other persons nominated by the Minister.

(7) For the purposes of subsection (6) (a), (b), (c) and (d)

(a) nominations may be submitted to the Minister in accordance with regulations prescribing, in relation to each such paragraph

(i) the person or persons, or the class or classes of persons, who may submit nominations;

(ii) the number of nominations that may be submitted by each such person or class of persons; and

(iii) the time within which nominations may be so submitted; or

(b) where, in respect of any such paragraph, a prescribed person or class of persons has failed to comply with the regulations relating to nominations, the Minister may, unless he is satisfied that sufficient nominations have otherwise been received, make such appointments as he thinks fit and any appointments so made by the Minister shall be deemed to have been made pursuant to a valid nomination for the purposes of that paragraph.

The regulations may provide in respect of any such paragraph for the nomination of a number of persons in excess of the number to be appointed.

(8) Subject to this Act, a member of the Council shall hold office

(a) in the case of a parliamentary member, until a member of the House of Parliament that elected him is elected by that House to replace him;

(b) in the case of an official member, while he holds the office by virtue of which he is such a member; and

(c) in the case of an elected or appointed member, for such period not exceeding four years as may be prescribed by the by-laws.

A period of office may be prescribed by the by-laws by reference to determined, or determinable, days of commencement and termination.

The by-laws may prescribe different periods of office in respect of different classes of members.

**Amended,
Act No. 75, 1970,
s. 2 (1) (a) (vi).**

**Amended
ibid., s. 2 (1) (a) (vii).**

(9) A retiring member of the Council shall not, by reason of that membership, be disqualified from again becoming a member of the Council.

**New paragraph added,
ibid., s. 2 (1) (a) (viii).**

(10) A casual vacancy in the office of an elected or appointed member shall be filled

(a) in the case of an elected member, as prescribed by the by-laws; or

(b) in the case of an appointed member

(i) by a person appointed by the Minister for the purpose, being a person who could have been appointed to fill the vacancy had it not been a casual vacancy; or

(ii) where the regulations prescribe the manner of filling such a vacancy, as so prescribed,

and any member filling a casual vacancy under this subsection shall hold office for the residue of the term of office of his predecessor.

**Amended
s. 2 (1) (a) (ix) (x).**

9. A member of the Council shall be deemed to have vacated his office if he

(a) dies;

(b) resigns his office by writing under his hand addressed

(i) in the case of a parliamentary member who is a member of the Legislative Council, to the President of the Legislative Council;

(ii) in the case of a parliamentary member who is a member of the Legislative Assembly, to the Speaker of the Legislative Assembly;

(iii) in the case of an elected member, to the Vice-Chancellor; or

(iv) in the case of an appointed member, to the Minister;

(c) becomes bankrupt, applies to take the benefit of any law for the relief of bankrupt or insolvent debtors, compounds with his creditors or makes an assignment of his remuneration for their benefit;

(d) becomes a temporary patient, 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;

(e) is an elected or appointed member and absents himself from four consecutive meetings of the Council without leave of the Council;

(f) in the case of a parliamentary member elected by the Legislative Council, ceases to be a member of that Council; or

(g) in the case of a parliamentary member elected by the Legislative Assembly

(i) ceases to be a member of that Assembly otherwise than by reason of its dissolution or its expiration by effluxion of time; or

(ii) ceases to be a member of that Assembly by reason of its dissolution or its expiration by effluxion of time and is not re-elected as a member of that Assembly at the next general election of members of that Assembly.

**Vacation of office.
Act No. 11, 1949, s. 20.**

**Amended,
Act No. 75, 1970,
s. 2 (1) (b) (i).**

**Substituted paragraph,
ibid., s. 2 (1) (b) (ii).**

**New paragraph added,
ibid.**

**Chancellor and Deputy
Chancellor.**
Act No. 11, 1949, s. 21.

10. (1) The persons who, immediately before the appointed day, held office as Chancellor and Deputy Chancellor of the University shall, on and from that day, be respectively the Chancellor and Deputy Chancellor and shall hold that office upon the terms and conditions upon which, and for the residue of the period for which, they would respectively have held office had this Act not been enacted, but shall be eligible for re-election.

(2) Where a vacancy occurs in the office of Chancellor or Deputy Chancellor, the Council shall elect a Chancellor or, as the case may require, Deputy Chancellor who may, in the case of the Chancellor, and shall, in the case of the Deputy Chancellor, be one of its members.

(3) The Chancellor and Deputy Chancellor shall, subject to subsection one of this section, hold office for such period and on such terms and conditions as may be prescribed by the by-laws.

Chairman
Act No. 11, 1949, s. 22.

11. At every meeting of the Council the Chancellor or, in his absence, the Deputy Chancellor, shall preside as Chairman, but if the Chancellor and Deputy Chancellor are both absent, the members present shall elect a person from amongst their number to preside as Chairman.

Questions—how decided.
Act No. 11, 1949, s. 23.

12. (1) All questions which come before the Council shall be decided by a majority of votes of the members present at a duly convened meeting of the Council at which a quorum is present.

(2) The Chairman at any such meeting shall have a vote, and in the case of an equality of votes a second or casting vote.

(3) At any meeting of the Council ten members shall form a quorum.

**Validity of acts and
proceedings.**
Act. No. 11, 1949, s. 24.

13. (1) No act or proceeding of the Council or any committee of the Council, or of the Vice-Chancellor or any person acting pursuant to any direction of the Council shall be invalidated or prejudiced by reason only of the fact that at the time when such act or proceeding was done, taken or commenced, or such direction given there was a vacancy or vacancies in the office of any member of the Council.

(2) All acts and proceedings of the Council or any committee of the Council, or of the Vice-Chancellor or any person acting pursuant to any direction of the Council shall, notwithstanding the subsequent discovery of any defect in the appointment or election of any member of the Council, or that any such member was disqualified from acting as, or incapable of being a member of the Council, be as valid as if such member had been duly appointed or elected and was qualified to act as or capable of being a member and had acted as a member of the Council and as if the Council had been properly and fully constituted.

Powers of the Council.
Act No. 11, 1949, s. 25.

14. Subject to this Act and to the regulations and by-laws, the Council

(a) may provide courses in applied science, engineering, technology, commerce, industrial organisation, humane studies and medicine and such other courses as it deems fit and may, after examination, confer the several degrees of Bachelor, Master and Doctor, and such other degrees and such certificates in the nature of degrees or otherwise and such diplomas as it thinks fit;

(b) may from time to time appoint and terminate the appointment of deans, professors, lecturers and other officers and employees of the University;

(c) shall have the entire control and management of the affairs, concerns and property of the University;

(d) may invest any funds belonging to or vested in the University in such securities as may be prescribed by the by-laws; and

(e) may act in all matters concerning the University in such manner as appears to it best calculated to promote the objects and interests of the University.

15. (1) The Vice-Chancellor shall be the chief executive officer of the University.

Vice-Chancellor.

Act No. 11, 1949, s. 26.

(2) The person who, immediately before the appointed day, held office as Vice-Chancellor of the University shall, on and from that day, be the Vice-Chancellor and shall hold that office upon the terms and conditions upon which, and for the residue of the period for which, he would have held that office had this Act not been enacted.

(3) The Vice-Chancellor shall have and may exercise and discharge such powers, authorities, duties and functions as may be prescribed by the by-laws and subject thereto as the Council may determine.

(4) The Vice-Chancellor shall, subject to subsection two of this section, hold office for such period and upon such terms and conditions as the Council determines.

(5) Where a vacancy occurs in the office of Vice-Chancellor the Council shall appoint a person to be Vice-Chancellor.

16. (1) The Council may constitute and appoint such committees as it thinks fit and may delegate all or any of its powers, authorities, duties and functions (except this power of delegation and the power to make by-laws) to any such committee or to any member of the Council, or to any officer or officers of the University.

Delegation to committees, etc.

Act No. 11, 1949, s. 27.

(2) Every delegation under this section shall be revocable by resolution of the Council and no delegation shall prevent the exercise or discharge by the Council of any of its powers, authorities, duties or functions.

17. (1) Where any person has obtained in any university or other educational establishment recognised by the University for the purpose any degree or diploma corresponding or equivalent, in the opinion of the Council, to any degree which the Council is empowered to confer after examination, or has such other qualifications as, in the opinion of the Council, are sufficient for the purpose, the Council may confer such latter degree upon such person without examination.

Ad eundem and honorary degrees.

Act No. 11, 1949, s. 28.

(2) A person upon whom a degree is conferred, under the provisions of subsection one of this section shall be entitled to the same rights and privileges as appertain to persons who have taken the same degree in the ordinary course in the University.

(3) By-laws may be made for or with respect to the conferring of honorary degrees or other distinctions.

18. (1) The Council may establish and maintain such branches, departments or colleges of the University as the Council deems fit and the Minister may approve.

Branches, departments and colleges.

Act No. 11, 1949, s. 29.

(2) The Council may, with the approval of the Minister

(a) authorise the establishment of residential colleges or halls of residence within the University or elsewhere;

(b) authorise the affiliation with the University of residential colleges; or

(c) join or co-operate with any person in the provision or conduct of student hostels and residential accommodation for students.

(3) The Council may authorise any college or educational establishment, whether incorporated or not, to issue to a candidate for any degree or diploma conferred by the University a certificate to the effect that the candidate has completed such course of instruction therefor as the Council by by-law prescribes and any person who presents to the Council any such certificate may be admitted as a candidate for the degree or diploma to which it refers.

19. All degrees conferred by the University shall be evidenced by a certificate under the common seal of the University.

Evidence of degrees conferred.

Act No. 11, 1949, s. 30.

Fees and other charges
Amended,
Act No. 170, 1978,
s. 4 (5), Schedule 1.

20. The Council may make by-laws under section 22 for or with respect to

- (a) the payment of such fees and charges, including fines, as the Council 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.

Investigations.
Act No. 11, 1949, s. 32.

21. (1) The Council may carry out special investigations in any matter at the request of any authority, institution, association, firm or person, and in respect of any such investigation may charge such fees therefor and agree to such conditions in relation thereto as it thinks fit.

(2) The Council may, subject to any conditions imposed under subsection one of this section, publish information relating to any matter investigated by it pursuant to the provisions of that subsection.

By-laws.
Act No. 11, 1949, s. 37.

22. (1) The Council may make by-laws, not inconsistent with this Act or the regulations, with respect to all matters pertaining to the University.

(2) Without prejudice to the generality of subsection one of this section the Council may make by-laws with respect to

- (a) the management, good government, and discipline of the University;
- (b) the method of election of members of the Council (other than the parliamentary members) who are to be elected;
- (c) the manner and time of convening, holding and adjourning the meetings of the Council; the manner of voting at such meetings, including postal voting or voting by proxy; the powers and duties of the Chairman thereof; the conduct and record of the business; the appointment of committees of the Council, and the quorum, powers and duties of such committees;
- (d) the number, stipend, manner of appointment and dismissal of deans, professors, lecturers, examiners and other officers and employees of the University;
- (e) the entrance standards for students;
- (f) the examinations for and the granting of degrees, diplomas, certificates and honours and the attendance of candidates therefor;
- (g) the examinations for and the granting of fellowships, scholarships, exhibitions, bursaries and prizes;
- (h) the admission of students of other universities and institutions of higher education to any status within the University or the granting to graduates of such universities or institutions, or other persons, of a degree or diploma without examination;
- (i) the establishment of residential colleges and halls of residence within the University and their conduct or the affiliation of residential colleges;
- (j) the affiliation with or admission to the University of any educational or research establishment;
- (k) the provision of a scheme of superannuation for the professors of the University.

(3) The by-laws may provide for empowering any authority (including the Council) or officer of the University to make regulations, rules or orders (not inconsistent with this Act or with any by-law) 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, and any such regulation, rule or order shall have the same force and effect as a by-law.

(4) Every by-law made by the Council shall be sealed with the common seal of the University and submitted for consideration and approval of the Governor.

(5) Section 41 of the Interpretation Act, 1897, applies in respect of a by-law approved by the Governor under subsection (4) as if this Act had been passed after the commencement of the Interpretation (Amendment) Act, 1969.

(6) Any such by-law may be proved in any court by the production of a verified copy under the seal of the University or by the production of a document purporting to be a copy of such by-law and to be printed by the Government Printer.

23. (1) There shall be paid by the Treasurer to the University in respect of the year commencing upon the first day of January in the year in which this Act 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 such expenditure requirements and, in the case of the year in which this Act commences, any moneys paid by the Treasurer to the University, in that year, before the appointed day.

Treasurer to meet certain costs.

Act No. 11, 1949, s. 39.

(2) To enable the Treasurer to exercise and perform the powers and functions conferred on him by subsection one of this section, the University shall, either before or as soon as practicable after the first day of January in each year, submit to the Treasurer estimates of the expenditure and income of the University for such year and such other information as the Treasurer may deem necessary.

(3) Any moneys payable by the Treasurer under this section shall be paid out of moneys provided by Parliament.

24. The Treasurer may for the temporary accommodation of the University advance such moneys to the University as the Governor may approve upon such terms and conditions as to repayment and interest as may be agreed upon between the Treasurer and the University.

Advances by Treasurer.

Act No. 11, 1949, s. 40.

25. The University may borrow money for

(a) the purpose of carrying out its objects or exercising or performing any of its powers, authorities, duties and functions;

(b) the renewal of loans; or

(c) the discharge or partial discharge of any indebtedness to the Treasurer or to any bank,

within such limits, to such extent and upon such conditions as to security or otherwise as the Governor upon the recommendation of the Treasurer may approve.

Power of University to borrow.

Act No. 11, 1949, s. 41.

26. The Council shall cause to be kept proper books of account in relation to the funds of the University and shall, as soon as practicable after the thirty-first day of December in each year, prepare and transmit to the Minister for presentation to Parliament a statement of accounts in a form approved by the Auditor-General exhibiting a true and correct view of the financial position and transactions of the University.

Accounts to be rendered.

Act No. 11, 1949, s. 42.

27. The accounts of the University shall be audited by the Auditor-General, who shall have, in respect thereof, all the powers conferred on the Auditor-General by any law now or hereafter in force relating to the audit of public accounts, and the Audit Act, 1902, shall apply to the members of the Council and to the officers and employees of the University in the same manner as it applies to accounting officers of public departments.

Audit.

Act No. 11, 1949, s. 43.

28. 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 office therein, or to graduate thereat, or to enjoy any benefit, advantage or privilege thereof.

No religious test.

Act No. 11, 1949, s. 44.

**Power to accept gifts, etc.
Act No. 11, 1949, s. 45.**

29. (1) The University shall have power to acquire by gift, bequest or devise any property for the purposes of this Act, and to agree to and carry out the conditions of any such gift, bequest or devise.

(2) The rule of law relating to perpetuities shall not apply to any condition of a gift, bequest or devise to which the University has agreed.

**Acquisition of land.
Act No. 170, 1978,
s. 4, Schedule 1.**

29A. (1) For the purposes of this Act, the Governor may, on the recommendation of the Minister, resume or appropriate any land under Division 1 of Part V of the Public Works Act, 1912.

(2) The Minister shall not make a recommendation for the purposes 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.

**Transfer of land to
University.
Act No. 170, 1978,
s. 6, Schedule 1.**

29B. (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 29A (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.

(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.

**Council to co-operate
with other bodies.
Act No. 11, 1949, s. 46.**

30. In the exercise of its powers, authorities, duties and functions under this Act the Council shall, so far as is practicable, co-operate with other institutions devoted to advanced studies and research.

**Report of proceedings.
Act No. 11, 1949, s. 47.**

31. (1) As soon as practicable after the thirty-first day of December in each year, the Council shall prepare and furnish to the Minister a report upon the proceedings of the University during the period of twelve months immediately preceding that day. Such report shall include a summary of the work, researches and investigations carried out by the University during such period.

(2) A copy of such report shall be laid before both Houses of Parliament as soon as practicable after it has been received by the Minister.

**Regulations.
Act No. 11, 1949, s. 48.**

32. (1) The Governor may make regulations not inconsistent with this Act prescribing all matters which by this Act are required or permitted to be prescribed by regulation or which are necessary or convenient to be prescribed by regulation and generally for carrying out or giving effect to the objects of the University and to this Act.

(2) Section 41 of the Interpretation Act, 1897, applies in respect of a regulation as if this Act had been passed after the commencement of the Interpretation (Amendment) Act, 1969.

If either House of Parliament passes a resolution of which notice has been given at any time within fifteen sitting days after such regulations have been laid before such House disallowing any regulation or part thereof, such regulation or part shall thereupon cease to have effect.

33. (1) The Superannuation Act, 1916, as subsequently amended, is amended

(a) (i) by inserting in the definition of "Employee" in subsection one of section three after the words "University of Newcastle," the words "or, subject to subsection four of this section, a professor of The University of New South Wales,";

(ii) by inserting next after subsection three of the same section the following new subsection:

(4) (a) Subject to this subsection, the exclusion from the definition of "Employee" of a professor of The University of New South Wales shall not extend to a person whose rights as a contributor are continued by section two of the University of New South Wales Act, 1968.

(b) A professor of The University of New South Wales shall cease to be a contributor if, after the commencement of the University of New South Wales Act, 1968, he becomes or continues to be a party to any scheme or arrangement to which that University is also a party and under which he is or may become entitled to any pension or annuity or retiring allowance upon retirement from his professorship.

(c) The provisions of subsection three of this section shall apply, mutatis mutandis, to professors of The University of New South Wales other than those who are employees by virtue of paragraph (a) of this subsection.

(b) by omitting from Schedule III the words "The New South Wales University of Technology" and by inserting in lieu thereof the words "The University of New South Wales".

Amendment of Act No. 28, 1916.

Sec. 3
(Interpretation.)

Schedule III.
(Consequential.)

34. (1) The Technical Education and New South Wales University of Technology Act, 1949, as subsequently amended, is amended

(a) by omitting from the long title the words "to provide for the establishment and incorporation of a New South Wales University of Technology";

(b) (i) by omitting from subsection one of section one the words "and New South Wales University of Technology";

(ii) by omitting from subsection two of the same section the matter relating to Part III;

(c) by omitting paragraph (b) of subsection one of section nine and by inserting in lieu thereof the following paragraph:

(b) the co-ordination of the functions of the Department of Technical Education with those of the Department of Education, the University of Sydney, The University of New South Wales and other bodies concerned with education.

(2) The Technical Education and New South Wales University of Technology Act, 1949, as subsequently amended and as amended by this Act, may be cited as the Technical Education Act, 1949-1968.

Amendment of Act No. 11, 1949.

Long title.

Sec. 1.
(Short title and division into parts.)

Sec. 9.
(Functions and duties of Council.)

35. The University of Newcastle Act, 1964, is amended by omitting section thirty-nine.

Amendment of Act No. 72, 1964.

Sec. 39.
(Amendment of Act No. 11, 1949.)

Schedule

Reference to Act	Short Title	Extent of Repeal
No. 11, 1949	Technical Education and New South Wales University of Technology Act, 1949.	Sections fourteen to forty-eight, both inclusive. Subsection two of section forty-nine.
No. 8, 1955	Technical Education and New South Wales University of Technology (Amendment) Act, 1955.	Sections three and four.
No. 24, 1958	University of New South Wales Act, 1958.	The whole.
No. 49, 1961	University of New South Wales Act, 1961.	The whole.

Sec. 3.

Regulations

Interpretation

1. The Regulations made under Part III of the Technical Education and University of New South Wales Act, 1949, as subsequently amended, are hereby repealed.

2. In these Regulations

"The Act" means the University of New South Wales Act, 1968;

"the Schedule" means the Schedule to Regulation 3 of these Regulations.

Submission to Minister of Panels of Names Relating to the Appoint- ment of Certain Members of the Council of the University

3. (1) The organizations named in the Schedule may, subject to this Regulation, submit nominations to the Minister for the purposes of paragraphs (a), (b), (c) and (d) of subsection six of section eight of the Act.

(2) The maximum number of nominations that may be submitted by an organization is the number set opposite the name of that organization in the Schedule.

(3) Nominations may be submitted

(a) for the purposes of paragraph (a) of subsection six of section eight of the Act—only by the organizations named in Part A of the Schedule;

(b) for the purposes of paragraph (b) of that subsection—only by the organizations named in Part B of the Schedule;

(c) for the purposes of paragraph (c) of that subsection—only by the organizations named in Part C of the Schedule; and

(d) for the purposes of paragraph (d) of that subsection—only by the organizations named in Part D of the Schedule.

(4) Nominations shall, in respect of the first appointment of members to the Council of the University in pursuance of the Act, be submitted to the Minister not later than the fourteenth day of May, one thousand nine hundred and sixty-nine, and in respect of any subsequent appointment of members of that Council, be submitted to the Minister not later than the fourteenth day of May in the year in which the appointment is to be made.

Organization	No. of Nominations	Schedule
The Institution of Engineers, Australia, Sydney Division	3	Part A Persons who are Practising or have Practised in the Professions
The Royal Australian Chemical Institute (NSW Branch)	3	
The Australian Optometrical Association (Division of New South Wales)	3	
The Royal Australian Institute of Architects, NSW Chapter	3	
The Institution of Production Engineers (Sydney Section)	3	
The Australian Institute of Physics (NSW Branch)	3	
The Australasian Institute of Mining and Metallurgy Incorporated	3	
The Royal Australasian College of Physicians	3	
The Royal Australasian College of Surgeons	3	
The Australian College of General Practitioners (New South Wales Faculty)	3	
The Law Society of New South Wales	3	
The New South Wales Bar Association	3	
The Australian Institute of Building (New South Wales)	3	
The Chamber of Manufactures of New South Wales	3	Part B Persons experienced in Industry or Commerce
The Sydney Chamber of Commerce	3	
The Metal Trades Employers' Association	3	
The Employers' Federation of New South Wales	3	
The Building Industry Advisory Council, New South Wales	3	
The Australian Institute of Management (Sydney Division)	3	
The Master Builders Association of New South Wales	3	
The Labor Council of New South Wales	3	Part C Persons associated with Trade Unions or Employee Organizations
The University of New South Wales Staff Association	3	
The Public Service Association of New South Wales	3	
The Livestock and Grain Producers' Association of New South Wales	2	Part D Persons experienced in Agricultural, Pastoral or other Rural Affairs
The Primary Producers' Union	2	

By-laws

Chapter I — The Chancellor and Deputy Chancellor

1. (a) The Chancellor shall hold office for a period commencing from his election and terminating at the close of the ordinary meeting of the Council next preceding the expiration of two years from the date of his election.
(b) The Deputy Chancellor shall hold office for a period commencing from his election and terminating at the close of the ordinary meeting of the Council next preceding the expiration of two years from the date of his election.
(c) Any retiring Chancellor or Deputy Chancellor shall be eligible for re-election.
2. (a) The Chancellor and Deputy Chancellor shall, by virtue of their office, be members of any Committee constituted by any By-law or by any resolution of the Council and of any Board or Faculty within the University.
(b) The Chancellor may preside at any meeting of any such Committee, Board or Faculty and shall have all the rights and powers of the Chairman of any such Committee, Board or Faculty.
(c) If the Chancellor is absent or 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.
(d) In the absence of the Chancellor, or if the office of Chancellor is vacant, any powers or duties conferred or imposed upon the Chancellor by these By-laws may be exercised and discharged by the Deputy Chancellor.
(e) This By-law shall have effect notwithstanding the provisions of any other By-law.

Chapter II — The Council Meetings and Rules of Procedure

1. The Council shall ordinarily meet on the second Monday of March, May, July, September and November in each year, and on such other days as may be necessary for the despatch of business, provided that, if any Monday so specified is a public holiday, the meeting shall be held on the following Monday.
2. The Chancellor or, in his absence, the Deputy Chancellor or, in the absence of both, the Vice-Chancellor may call a special meeting of the Council to meet at any time in the interval between ordinary meetings.
3. Upon the written request of any five members of the Council, the Chancellor, Deputy Chancellor or Vice-Chancellor or, in their absence, the Registrar shall convene a special meeting of the Council to be held within fourteen days after the receipt of the request.

The written request shall specify the matters which the five members wish the Council to consider.

4. Any meeting of the Council may be adjourned to a later date.

5. The Secretary to the Council shall transmit by post or deliver to each member of the Council a written or printed Notice of Meeting specifying the date of the next ensuing meeting of the Council, whether such meeting is an ordinary or special meeting, and such Notice of Meeting shall, so far as practicable, be posted or delivered seven clear days prior to the date of the meeting. All matters to be considered at any meeting shall be stated in the said Notice of Meeting or in a supplementary Notice of Meeting which shall be transmitted by post or delivered to each member of the Council, so far as practicable, three clear days before the meeting. Where practicable, the said Notice of Meeting or supplementary Notice of Meeting shall be accompanied by supporting statements in sufficient detail to allow members the opportunity to consider the matters prior to the meeting.

6. (a) At ordinary meetings, unless otherwise decided by the Council, no motion initiating any subject for discussion shall be made except in pursuance of a Notice of Motion given to the Secretary to the Council ten clear days before the meeting of the Council at which the motion is to be moved. The Secretary to the Council shall enter all such Notices of Motion in the Notice of Motion book in the order in which they are received by him.

(b) At special meetings, unless otherwise decided by the Council, no motion shall be made on any matters other than those listed in the Notice of Meeting or supplementary Notice of Meeting.

7. If a quorum of the Council is not present within half an hour after the time appointed for any meeting, the members then present may appoint a convenient future day as the day on which the meeting shall be held. The day appointed may be the day of the next ordinary meeting of the Council but in any case shall be such as to enable the Secretary to the Council to give all members seven clear days' notice of the meeting, in the usual way. Where the day appointed is the day of the next ordinary meeting of the Council, the business which was to have been dealt with at the meeting lacking a quorum shall take precedence over the business of the ordinary meeting of the Council.

8. The minutes of any meeting of the Council which have not been approved as being a true record shall be circulated to members prior to the next ordinary meeting of the Council. Upon being approved as correct, such minutes shall be signed by the Chairman as being a true record.

9. All elections referred to in this chapter shall be conducted by the Registrar, who shall be the Returning Officer. Subject to the Act, to the provisions of these by-laws and to any relevant resolution of the Council, all elections shall be effected in such manner as the Registrar shall determine.

**Returning Officer for
Elections**

10. The election of members of the Council pursuant to paragraph (d) of subsection (5) of section 8 of the Act shall be conducted in accordance with by-laws 11 to 16 of this chapter.

**Members Elected by the
Faculties and Boards of
Studies**

11. (a) The election of a member by the members of each of such six of the faculties and boards of studies as are specified by the Council pursuant to paragraph (d) of subsection (5) of section 8 of the Act shall be held on such day in May, 1971 and on such day in that month in every alternate year thereafter as the Council may from time to time appoint. The term of office of such elected members shall be two calendar years commencing on the first day of July immediately following their election.

(b) Forty clear days' notice of the day appointed for each election shall be given by notices posted at the University and in such other places as the Council may determine.

12. The Registrar shall, in respect of each faculty and board of studies so specified, prepare a list of voters, comprising all persons who are members of the faculty or board of studies, completed to the last day for receiving nominations for the election, and a copy of each list so prepared shall be available for inspection at the University during the period from that day to the day appointed for the election.

**Member Elected by
Professors, Persons Giving
Instruction within the
University and Superior
Officers within the
University**

13. (a) No person shall be a candidate at an election by a faculty or board of studies so specified unless he is a member of that faculty or board of studies and his name has been communicated to the Registrar in writing under the hands of two persons who are members of that faculty or board of studies twenty-eight clear days before the day appointed for the election.

(b) Every nomination of a person for election shall contain the written consent of such person to his nomination and shall specify the faculty or board of studies to which the nomination relates.

14. On the expiration of the time for receiving nominations, the Registrar shall cause the name of each person so nominated and the fact of his candidature to be posted as soon as practicable at the University.

15. Where only one candidate is nominated in respect of a faculty or board of studies so specified the Registrar shall declare the candidate duly elected. Where two or more candidates are nominated in respect of a faculty or board of studies so specified, the election for that faculty or board of studies shall be by postal ballot.

16. The ballot shall be conducted in the manner prescribed in by-laws 45 and 46 of this chapter.

17. The election of a member of the Council pursuant to paragraph (c) of subsection (5) of section 8 of the Act shall be conducted in accordance with by-laws 18 to 23 of this chapter.

18. (a) For the purposes of paragraph (c) of subsection (5) of section 8 of the Act

(i) the prescribed persons being persons giving instruction within the University shall be, in addition to the professors, those members of each class of persons prescribed under paragraph (a) of by-law 2 of Chapter IX of these by-laws, together with the members of the following classes of persons giving instruction within the University—the tutors, the demonstrators and the tutor-demonstrators;

(ii) the prescribed persons being superior officers within the University shall be those prescribed under paragraph (b) of by-law 2 of Chapter IX of these by-laws.

(b) The election shall be held on such day in May 1971 and on such day in that month in every alternate year thereafter as the Council may from time to time appoint. The term of office of such an elected member shall be two calendar years commencing on the first day of July immediately following his election.

(c) Forty clear days' notice of the day appointed for the election shall be given by notices posted at the University and in such other places as the Council may determine.

19. The Registrar shall prepare a list of voters comprising all persons eligible to vote as provided under by-law 18 of this chapter, completed to the last day for receiving nominations for the election, and a copy of such list shall be available for inspection at the University during the period from that day to the day appointed for the election.

20. (a) No person shall be eligible for election unless he is one of the persons referred to in by-law 18 of this chapter and his name has been communicated to the Registrar in writing under the hands of two qualified voters twenty-eight clear days before the day appointed for the election.

(b) Every nomination of a person for election shall contain the written consent of such person to his nomination.

21. On the expiration of the time for receiving nominations, the Registrar shall cause the name of each person so nominated and the fact of his candidature to be posted as soon as practicable at the University.

22. Where only one candidate is nominated the Registrar shall declare the candidate duly elected. Where two or more candidates are nominated, the election shall be by postal ballot.

23. The ballot shall be conducted in the manner prescribed in by-laws 45 and 46 of this chapter.

24. The election of members of the Council pursuant to paragraph (b) of subsection (5) of section 8 of the Act shall be conducted in accordance with by-laws 25 to 31 of this chapter.

Members Elected by Graduates

25. (a) The election shall be held on such day in June 1971 and on such day in that month in every alternate year thereafter as the Council may from time to time appoint. The term of office of such elected members shall be two calendar years commencing on the first day of July immediately following their election.

(b) Seventy clear days' notice of the day appointed for the election shall be given by advertisement in two or more of the daily newspapers published in Sydney, and by notices posted at the University and in such other places as the Council may determine.

26. The Registrar shall prepare a list of voters comprising all graduates of the University, completed to the last day for receiving nominations for the election, and a copy of such list shall be available for inspection at the University during the period from that day to the day appointed for the election. For the purposes of this chapter, a graduate of the University is a person on whom the Council has conferred any degree or to whom the Council has awarded any postgraduate diploma.

27. (a) No person shall be eligible for election

(i) unless he is a graduate of the University; and

(ii) unless his name has been communicated to the Registrar in writing under the hands of two qualified voters thirty-five clear days before the day appointed for the election.

(b) Every nomination of a person for election shall contain the written consent of such person to his nomination.

28. For the purposes of subsection (5) of section 8 of the Act, a person is a full-time member of the staff of the University if he occupies a position which the Council, by order, determines is a full-time position.

29. On the expiration of the time for receiving nominations, the Registrar shall cause the name of each person so nominated and the fact of his candidature to be posted as soon as practicable at the University and in such other places as the Council may determine.

30. If the number of nominations received is equal to or less than the number of candidates to be elected, the Registrar shall declare the candidate or candidates duly elected. If the number of candidates exceeds the number of candidates to be elected, the election shall be by postal ballot.

31. The ballot shall be conducted in the manner prescribed in by-laws 45 and 46 of this chapter.

32. The election of the elected student members (in this chapter referred to as the "student members") pursuant to subsection (5A) of section 8 of the Act shall be conducted in accordance with by-laws 33 to 44 of this chapter.

Elected Student Members

33. The student members shall be elected by the students of the University.

34. Three student members shall be elected on such day in June 1971 as the Council may appoint and their terms of office shall be

(a) in the case of two of them, two calendar years commencing on the first day of July immediately following their election;

(b) in the case of the other, one calendar year commencing on the first day of July immediately following his election.

35. (a) The student members referred to in paragraph (a) of by-law 34 of this chapter shall be the two elected candidates who secured, on the final count, the largest and second largest number of votes at the election held in June 1971.

(b) The student member referred to in paragraph (b) of by-law 34 of this chapter shall be the elected candidate who secured, on the final count, the third largest number of votes at the election held in June 1971.

(c) Where only one or two candidates are duly nominated at the election held in June 1971, their terms of office shall be two calendar years commencing on the first day of July immediately following their election.

(d) Where only three candidates are duly nominated at the election held in June 1971 or where all three of the elected candidates secure an equal number of votes on the final count in that election, the Registrar shall determine by lot which of them shall hold office for two calendar years and which of them shall hold office for one calendar year.

In this paragraph, "determine by lot" means determine in accordance with the following directions:

The name of each student member concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed and drawn at random, the two student members whose names are first and second drawn shall hold office for two calendar years and the other student member shall hold office for one calendar year.

(e) Where two student members secure on the final count an equal number of votes and they are placed equal second in the election held in June 1971, the Registrar shall determine by lot which of them shall hold office for two calendar years and which of them shall hold office for one calendar year.

In this paragraph, "determine by lot" means determine in accordance with the following directions:

The name of each student member concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed and drawn at random, the student member whose name is first drawn shall hold office for two calendar years and the other student member shall hold office for one calendar year.

36. An election by the students of one student member shall be held on such day in June 1972 and on such day in that month in each alternate year thereafter as the Council may from time to time appoint. The term of office of the student member elected in 1972 and in each alternate year thereafter shall be two calendar years commencing on the first day of July immediately following his election.

37. An election by the students of two student members shall be held on such day in June 1973 and on such day in that month in each alternate year thereafter as the Council may from time to time appoint. The term of office of the two student members elected in 1973 and in each alternate year thereafter shall be two calendar years commencing on the first day of July immediately following their election.

38. Forty clear days' notice of the day appointed for the election of student members shall be given by notices posted at the University and in such other places as the Council may determine.

39. The Registrar shall prepare a list of the students qualified to vote at the election and a copy of such list, completed to the last day for receiving nominations for the election, shall be available for inspection at the University during the period from that day to the day appointed for the election.

40. (a) No person shall be eligible for election unless his name has been communicated to the Registrar under the hands of two qualified voters twenty-eight clear days before the day appointed for the election.

(b) Every nomination of a person for election shall contain the written consent of such person to his nomination.

41. For the purposes of subsection (5A) of section 8 of the Act, a person is a full-time member of the staff of the University if he occupies a position which the Council, by order, determines is a full-time position.

42. On the expiration of the time for receiving nominations, the Registrar shall cause the name of each person so nominated and the fact of his candidature to be posted as soon as practicable at the University.

43. If the number of nominations received is equal to or less than the number of candidates to be elected, the Registrar shall declare the candidate or candidates duly elected. If the number of candidates exceeds the number of candidates to be elected, the election shall be by postal ballot.

44. The ballot shall be conducted in the manner prescribed in by-laws 45 and 46 of this chapter.

45. In the case of members to be elected by the graduates twenty-one and in all other cases fourteen clear days before the day appointed for an election the Registrar shall transmit a voting paper through the post to each person whose name appears on the relevant list of voters, addressed to the last known address of the person as noted in the records of the Registrar. Each voting paper shall be accompanied by an envelope marked "voting paper" and by a second envelope addressed to the Registrar on the inside of which shall be printed a form of declaration to be signed by the voter stating that he is duly qualified to vote at the election.

**Conduct of Elections
where Ballot is Necessary**

46. (a) The voting paper shall contain the names of all duly nominated candidates arranged in the order which the Registrar shall determine by lot. The voter shall record his vote by placing the number "1" opposite the name of the candidate to whom he desires to give his first preference vote. He may then, at his discretion, give contingent votes to some of or to all of the remaining candidates by placing the numbers "2", "3", "4" and so on, as the case may require, opposite the names of such candidates respectively so as to indicate by numerical sequence the order of his preference for them. In this paragraph "determine by lot" means determine in accordance with the following directions:

The name of each candidate concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed and drawn at random, the candidates' names shall be listed in the order drawn.

(b) Having marked his voting paper and signed the declaration, the voter shall place the voting paper without any other matter in the envelope marked "voting paper", which he shall seal and transmit to the Registrar in the envelope provided for that purpose. All voting papers so transmitted and received by the Registrar not later than 5 p.m. on the day of the election shall, subject to paragraph (e) of this by-law, be counted in the ballot.

(c) In conducting the ballot, the Registrar may be assisted in the counting of the votes by scrutineers to be appointed by the Vice-Chancellor. Each candidate shall be entitled to nominate one scrutineer.

(d) As soon as practicable after the closing of the ballot the Registrar, in the presence of such of the scrutineers as choose to be present, shall proceed to the examinations of the voting papers.

(e) The Registrar shall reject as informal any voting paper in respect of which the provisions of paragraphs (a) and (b) of this by-law have not been complied with.

(f) The method of counting votes at any election where only one candidate is to be elected shall be as prescribed in by-law 47 of this chapter.

(g) The method of counting votes at any election where two or more candidates are to be elected shall be as prescribed in by-law 48 of this chapter.

47. (a) The Registrar shall count the total number of first preference votes given to each candidate.

**Method of Counting Votes
at Elections where only
One Candidate is to be
Elected**

(b) If any candidate has received an absolute majority of votes, the Registrar shall declare that candidate elected; but if no candidate has received an absolute majority of votes, the candidate who has received the fewest votes shall be excluded and each voting paper counted to him shall be allocated to the continuing candidate next in order of the voter's preference.

(c) The Registrar shall then make a second count and, if any candidate then has received an absolute majority of votes, the Registrar shall declare that candidate elected; but if no candidate then has received an absolute majority of votes, the process of excluding the candidate who has received the fewest votes, of allocating each voting paper counted to him to the continuing candidate next in order of the voter's preference, and of making a further count shall be repeated until a count reveals that one candidate has received an absolute majority of votes. The Registrar shall then declare that candidate elected.

(d) If, after any count other than the final count, two or more candidates have received an equal number of votes and one such candidate has to be excluded, the Registrar shall determine by lot which of them shall be excluded. In this paragraph, "determine by lot" means determine in accordance with the following directions:

The name of each candidate concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed and drawn at random, the candidate whose name is first drawn shall be excluded.

(e) If, after the final count in which there are only two continuing candidates, both candidates have received an equal number of votes, the Registrar shall determine by lot which of them shall be elected. In this paragraph, "determine by lot" means determine in accordance with the following directions:

The name of each candidate concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed and drawn at random, the candidate whose name is first drawn shall be elected.

The candidate so elected shall be deemed to have received an additional vote.

(f) In this by-law

"an absolute majority of votes" means a number greater than one half of the total number of ballot papers counted;

"continuing candidate" means a candidate who has not been excluded from the ballot.

**Method of Counting Votes
at Elections where Two or
More Candidates are to be
Elected**

48. (a) The Registrar shall count the total number of first preference votes given to each candidate.

(b) The candidate who has received the fewest votes shall then be excluded and, if the number of continuing candidates is then equal to the number to be elected, the Registrar shall declare such continuing candidates elected; but if the number of continuing candidates is greater than the number to be elected, each voting paper counted to the excluded candidate shall be allocated to the continuing candidate next in order of the voter's preference.

(c) The Registrar shall then make a second count.

(d) The candidate who has received the fewest votes shall then be excluded and, if the number of continuing candidates is then equal to the number to be elected, the Registrar shall declare such continuing candidates elected; but if the number of continuing candidates is still greater than the number to be elected, the process of allocating the excluded candidate's voting papers to the continuing candidate next in order of the voter's preference, of making a further count, and of excluding the candidate who has received the fewest votes shall be repeated until the number of continuing candidates is equal to the number to be elected. The Registrar shall then declare such continuing candidates elected.

(e) If, after any count, two or more candidates have received an equal number of votes and one such candidate has to be excluded, the Registrar shall determine by lot which of them shall be excluded. In this paragraph "determine by lot" means determine in accordance with the following directions:

The name of each candidate concerned having been written on separate and similar slips of paper and the slips having been folded so as to prevent identification and mixed and drawn at random, the candidate whose name is first drawn shall be excluded.

(f) In this by-law

"continuing candidate" means a candidate who has not been excluded from the ballot.

49. When a casual vacancy occurs in the office of an elected member, the Council shall appoint a person to fill the vacancy.

Filling of Casual Vacancy in the Office of an Elected Member

1. The Professors and such other persons as Council may appoint shall form a Board, to be called the Professorial Board.

Chapter III — The Professorial Board

2. The members of the Professorial Board shall elect a Chairman at a duly convened meeting to be held in May in 1950 and in 1951 and in May of every alternate year after 1951.

The Chairman shall hold office for a period of two years from the first day of July following the election: Provided that the first Chairman shall hold office for a period of one year from the first day of July following his election.

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 his predecessor's term of office.

3. The Registrar shall, by virtue of his office, be a member of the Professorial Board and shall act as Secretary to the Board.

4. (i) The Professorial Board shall be specially charged with the duty of furthering and co-ordinating the work of Faculties and Departments and of encouraging scholarship and research and of considering the studies and discipline of the University.

The Board shall consider and report upon all matters referred to it by the Council or by the Vice-Chancellor.

(ii) Subject to By-laws and to any resolution of the Council the Board

(a) may consider and take action upon reports submitted to it by any Faculty;

(b) may refer matters to Faculties for consideration and report;

(c) may appoint internal and external examiners after report from the Faculty or from the Dean of the Faculty concerned;

(d) shall, on the recommendation of the appropriate Faculties, annually prescribe text and principal reference books and descriptions of subjects for examinations in the University, but in any of these subjects pertaining to more than one Faculty when the recommendations of the Faculties concerned do not coincide, the Professorial Board shall, after further communication with the said Faculties, prescribe such books and descriptions of subjects;

(e) may determine the conditions of competition for any postgraduate fellowship, scholarship or prize and make the awards: Provided that any conditions of competition approved by the Board for any postgraduate fellowship, scholarship or prize shall be subject to conditions, if any, with respect thereto made by the founder or donor;

(f) may, after report from the Faculties concerned, decide all questions of admission *ad eundem gradum*. The Professorial Board may by an absolute majority of its members (provided that the Faculty, if any, concerned concurs by an absolute majority of its members) recommend to the Council that a person who has obtained any degree or diploma in another University or educational establishment be admitted to a Degree in the University of New South Wales without any examination;

(g) may submit recommendations to the Council on the invitation of the Council with respect to the selection of Professors, Lecturers, and other teaching and research staff;

(h) may, after a report of the Faculties concerned, decide all questions of admission with advanced standing. The Professorial Board may by an absolute majority of its members (provided that the Faculty, if any, concerned concurs by an absolute majority of its members) recommend to Council that a person who has completed an approved course of study in a University or educational establishment approved by the Council be admitted with such advanced standing as may be permitted in each case to a course leading to a Degree of the University of New South Wales;

(i) may perform the duties of a Faculty for all subjects not pertaining to any Faculty and perform any function committed to it by this By-law, although any Faculty or Faculties may have failed to report;

(j) may submit recommendations to Council with respect to any other matter pertaining to academic standards or facilities.

Where the Board does not approve without amendment any recommendation made by a Faculty, the Board shall, if so requested by the Faculty, transmit the recommendation to the Council.

(iii) The Board shall have such other duties and powers as may from time to time be assigned to it by the Council.

(iv) A report of the proceedings of the Board shall be circulated to members of the Council with the notice or supplementary notice of matters to be considered at the meeting of the Council next following that of the Board and shall be laid upon the table of the Council at that meeting.

(v) The Council may at any time of its own motion or at the request of a Faculty review any decision of the Board.

5. (a) The Vice-Chancellor or any member of the Professorial Board may suspend any student from attendance at classes and examinations for breach of discipline or misconduct, and may impose penalties in accordance with academic usage on any student for breach of discipline or misconduct, provided that the circumstances relating to the suspension or fine shall be reported in writing by the member to the Vice-Chancellor forthwith. This By-law shall only extend to breach of discipline or misconduct committed in or with respect to the classes or work of the Department of such member, or committed in his presence.

(b) On reference by the Vice-Chancellor the Board shall investigate matters which involve any question as to breach of discipline or misconduct of any kind by any student or candidate at any University examination and may impose penalties in accordance with academic usage.

(c) Any person affected by a decision of any member of the Professorial Board (other than the Vice-Chancellor) in respect of breach of discipline or misconduct may appeal to the Vice-Chancellor, and in the case of disciplinary action by the Vice-Chancellor, whether on appeal or otherwise, to the Council.

6. (a) The Professorial Board shall meet at the discretion of the Chairman or upon the written request of the Chancellor, or Vice-Chancellor, or of three members of the Board.

(b) Except where otherwise provided by these By-laws, all questions which shall come before a meeting of the Professorial Board at which a quorum is present shall be decided by the majority of members present, and the Chairman shall have a vote, and in the case of an equality of votes, a casting vote.

The number of members who shall constitute a quorum of the Professorial Board shall be the product obtained by multiplying the total number of members of the Board (exclusive of members who have been granted leave of absence by the Vice-Chancellor) by one-half, any fraction in the product being disregarded.

(c) All meetings shall be convened by written notice from the Registrar, specifying the time and place and agenda of the meeting.

Chapter IV — The Faculties

1. (a) The Council may constitute such Faculties as it may deem fit.

(b) Each Faculty shall consist of the Professors, Associate Professors, Senior Lecturers and Lecturers in the subjects for which the Faculty is responsible and such other persons having appropriate qualifications as the Council may appoint thereto.

(c) The Registrar shall, by virtue of his office, be a member of each Faculty.

2. Each Faculty shall elect a Chairman, in the manner provided in this Chapter, who shall preside over the meetings of the Faculty and shall discharge any other duties which Council may assign to him.

3. A person shall not be eligible to be elected as Chairman of any Faculty unless he is a Professor of that Faculty. The Chairman of a Faculty shall be elected by a postal preferential ballot conducted by the Registrar during the month of March in 1964 and during the month of February in each alternate year after 1964. Nominations for election as Chairman of any Faculty shall be signed by two members of the Faculty and, in the case of the election to be conducted during the month of March in 1964, shall be lodged with the Registrar before 5 p.m. on the 19th March, 1964, and, in the case of subsequent elections before 5 p.m. on the second Monday in the month of February of each alternate year after 1964. Such nominations shall also contain the written consent of the nominee to his nomination. Where there is only one nominee the Registrar shall declare him to be elected as Chairman of the Faculty. Where there is more than one nominee the Registrar shall, within seven days after the close of nominations, transmit to each member of the Faculty a voting paper addressed to the official address of the member. Each voting paper shall be accompanied by an envelope marked "voting paper" and addressed to the Registrar. The voter shall be instructed to record his vote on the voting paper and to return it to the Registrar to reach him not later than 5 p.m. on the last day that is not a Saturday, Sunday or public holiday, in the month of March in the year 1964 and not later than 5 p.m. on the last day that is not a Saturday, Sunday or public holiday in the month of February in each alternate year after 1964.

All voting papers so received by the Registrar not later than 5 p.m. on the day appointed shall be counted in the ballot and the method of counting the votes to ascertain the results of the election shall be as prescribed by by-law 47 of Chapter II of these By-laws.

4. (a) If the office of Chairman becomes vacant by death, resignation, or otherwise before the expiration of the full term, a successor shall be elected generally in the manner prescribed above, as soon as practicable, and in the interval the Dean shall act as Chairman of the Faculty.

(b) If the Chairman is absent from a meeting of Faculty, the meeting may elect a Chairman for that meeting from the Professors present.

5. Each Faculty shall

(a) supervise the teaching in the subjects with which the Faculty is concerned;

(b) be responsible, with the assistance of such examiners as the Professorial Board may from time to time appoint on the report of the Faculty or of the Dean, for the conduct of examinations in those subjects;

(c) take cognizance of and encourage scholarship and research in those subjects;

(d) consider and report upon all matters referred to it by the Council or by the Vice-Chancellor, or by the Professorial Board.

6. Each Faculty shall consider and report to the Professorial Board upon all matters relating to the studies, lectures, examinations and degrees of the Faculty including the annual prescription of text and principal reference books and descriptions of subjects for lectures which the Faculty is responsible to supervise, all admissions *ad eundem gradum* to degrees of the Faculty, and all admissions with advanced standing to courses in the Faculty.

7. Each Faculty shall have such other duties and powers as may from time to time be assigned to it by the Council.

8. Each Faculty shall establish an Executive Committee which shall meet under the Chairman of the Faculty. The Executive Committee shall meet as required, and shall consider all business relating to the Faculty, including the agenda for Faculty meetings, and shall submit to each Faculty meeting recommendations upon the matters contained in the agenda. The Executive Committee of the Faculty shall consist of the Chairman of the Faculty, the Dean of the Faculty, the Registrar, the Heads of Schools of the Faculty, and such other members of the Faculty as the Faculty may appoint thereto.

8A. A Faculty shall not consider any item of business at a meeting that has not received prior consideration by its Executive Committee pursuant to By-Law 8 except with the consent of the Chairman for that meeting and of four-fifths of the members present and voting at that meeting.

9. Each Faculty shall establish a Higher Degree Committee which shall perform such

duties as may be assigned to it by Council on the recommendation of the Professorial Board. The Higher Degree Committee shall consist of the Chairman of the Faculty who shall be the Chairman of the Committee, all the Professors who are members of the Faculty, the Registrar and such other members of the Faculty as the Faculty may appoint thereto. Each Faculty shall be responsible for the general supervision of all matters relating to candidature for a higher degree or graduate diploma of the Faculty and shall indicate to its Higher Degree Committee the broad policy to be followed.

10. All meetings of the Faculty and of its Executive and Higher Degree Committees shall be called by the Registrar, who shall consult with both the Chairman and the Dean before determining the place, date and hour of the meeting.

11A. Except where otherwise provided by these By-laws all questions which come before a meeting of a Faculty at which a quorum is present shall be decided by the majority of the members present and voting and the Chairman shall have a vote, and in the case of an equality of votes, a casting vote.

11B. The number of members who shall constitute a quorum of a Faculty for a period of 12 months commencing with 1st March in any year shall be the greater of (i) 20; or (ii) the product obtained by multiplying the total number of members of that Faculty, as at the commencement of the first day of the period, by one-quarter, any fraction in the product being disregarded.

12. Each Faculty shall deal with all applications for information and other correspondence on subjects appropriate to such Faculty which may be brought before it by the Dean or by the Registrar.

13. Nothing in this chapter shall be construed as affecting the precedence and authority of the Chancellor, Deputy Chancellor, Vice-Chancellor and the Dean of the Faculty, as prescribed in the Act, Regulations and By-laws.

13A. None of the provisions of this chapter shall affect the authority of the Professorial Board under which authority every Faculty shall exercise the powers, authorities and discretions and perform the duties vested in and conferred upon it by these By-laws, provided that, upon request of a Faculty the Professorial Board shall refer to the Council for final decision any matters in dispute between that Faculty and the Professorial Board.

Chapter V — The Deans

1. The Council shall appoint a Dean for each Faculty to serve for such period as Council may determine.

2. The Council may appoint Deans in areas other than Faculties and they shall serve for such periods as Council may determine.

3. The Deans appointed to Faculties, and the Deans appointed in areas other than Faculties, shall work under the supervision of the Vice-Chancellor and shall have such duties as Council may from time to time prescribe.

4. The Dean appointed to any Faculty shall be a member of the Faculty and of any committee within the Faculty, and may, if he so desires, preside at any meeting of such Faculty or committee. Nothing in this By-law shall affect the precedence or authority of the Chancellor, the Deputy Chancellor, or the Vice-Chancellor.

Chapter VI — Vice-Chancellor

1. The Vice-Chancellor shall be specially charged with the duty of promoting the interests and furthering the development of the University.

2. The Vice-Chancellor shall, by virtue of his office, be a member of every Board, Faculty and Committee, within the University, and may, if he so desires, preside at any meeting of such Board, Faculty or Committee.

3. The Vice-Chancellor shall, under the Council, subject to the By-laws and to any resolution of the Council

- (a) manage and supervise the administrative, financial and other activities of the University;
 - (b) consult with and advise the Professorial Board, and all other University Boards, Faculties, Committees, Professors and other Heads of Departments;
 - (c) exercise supervision over the discipline of the University, with power, in the case of students, to impose penalties in accordance with academic usage for breach of discipline or for misconduct of any kind;
 - (d) give effect to the By-laws and to any regulations, rules or orders made, or to any resolution or report passed or adopted, by the Council;
 - (e) have such powers, authorities, duties, functions and discretions as may, from time to time, be assigned to or vested in him by the Council.
4. Nothing in this chapter shall affect the precedence or authority of the Chancellor or Deputy Chancellor.

1. The Council may admit, *Honoris Causa*, to any Degree other than that of Bachelor within the University, any person who is recommended for such admission by an absolute majority of the Professorial Board and by an absolute majority of the Faculty in which the Degree is to be conferred as being a person of distinguished eminence in some branch of learning appropriate to such Faculty.

Chapter VII—Honorary Degrees

2. The Council may admit, *Honoris Causa*, to the Degree of Doctor in an appropriate field in the University any person considered by the Council to be distinguished by eminent service to the community.

1. 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:

Chapter VIII—Investment of University Funds

(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 authorised debentures or securities issued by any city, municipality or shire 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 Council;

(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 Council at a meeting the agenda of which contains express notice of the proposal;

(f) deposit at interest with any bank authorised to carry on banking business under the Banking Act 1959 (as amended by subsequent Acts) of the Parliament of the Commonwealth of Australia or with the Rural Bank of New South Wales or with any institution authorised for the investment of cash under the control or subject to the order of the Supreme Court in its equitable jurisdiction;

(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 Council at a meeting the agenda of which contains express notice of the proposal.

2. Where any property or money is given, devised or bequeathed to or held by the University subject to any trust, the University may, subject to the terms of the trust, retain

such property or money in the same form of investment and in relation thereto exercise all the powers conferred on trustees by the Trustee Act, 1925, as amended by subsequent Acts.

Chapter IX — General

1. In these by-laws, unless the context or subject matter otherwise indicates or requires, "the Act" means the University of New South Wales Act, 1968.

2. For the purposes of subsection (1) of section 5 of the Act

(a) in addition to the professors, the following classes of persons giving instruction within the University are hereby prescribed to be members of the body corporate of the University—the associate professors, senior lecturers, lecturers, senior tutors, senior demonstrators, senior tutor-demonstrators and senior instructors and such other classes of persons giving instruction within the University as the Council may, by order, from time to time determine;

(b) the following superior officers within the University are hereby prescribed to be members of the body corporate of the University—the persons appointed to the positions of Assistant Principal, Registrar, Bursar and University Librarian and to such other positions as the Council may, by order, from time to time determine.

3. For the purposes of paragraph (c) of subsection (8) of section 8 of the Act

(a) the term of office of the nominated members of the Council who were holding office on the twenty-fifth day of March 1971 shall expire on the thirtieth day of June 1973;

(b) the term of office of nominated members of the Council nominated subsequent to the twenty-fifth day of March 1971 shall be four calendar years commencing on the first day of July immediately following their nomination;

(c) the term of office of the elected members of the Council holding office on the twenty-fifth day of March 1971 shall expire on the thirtieth day of June 1971.

Chapter X — Fees and Charges

The Council may make rules or orders for or with respect to —

(a) the payment of such fees and charges, including fines, as the Council 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.

General Information

Intra-University Organizations

Board of Studies in General Education

The provision of elective subjects in general studies, which form a compulsory part of most courses in Faculties other than Arts and Law, was the responsibility of the Faculty of Arts until their growing size and complexity made it necessary for a separate academic authority to be established. For this purpose, Council established a Board of Studies in General Education to be responsible from 1964 for elective subjects in general studies. Essentially the Board of Studies has, in its area responsibilities similar to those of a Faculty.

The Board offers for suitably qualified graduates a program of advanced studies leading to the award of Doctor of Philosophy, offered for the first time in 1978, and the degree of Master of General Studies (MGenStud), offered for the first time in 1977. For details consult the General Studies Handbook.

Board of Studies in Science and Mathematics

The Board of Studies in Science and Mathematics, which was established to facilitate the joint academic administration of the Science and Mathematics degree course

by the Faculty of Biological Sciences and the Faculty of Science, considers and reports to the Professorial Board on all matters relating to studies, lectures and examinations in the Science and Mathematics course (3970).

The Board of Studies in Science and Mathematics includes all members of the Faculty of Biological Science and of the Faculty of Science together with some members of specific Schools in other Faculties contributing to the Science and Mathematics course, a representative of the Department of General Studies, the Registrar or his nominee, and such other persons as Council may appoint.

The Deans of the Faculty of Science (Professor V. T. Buchwald) and of the Faculty of Biological Sciences (Professor B. J. F. Ralph) serve alternately as Dean of the Board.

The Co-ordinator of Studies is Associate Professor K. G. Rienits. The Graduate Assistant is Mrs Emma S. Rossi.

Broken Hill Division

W. S. & L. B. Robinson University College

The Broken Hill Division of the University provides courses in Mechanical Engineering, Mining Engineering, and in Mineral Processing leading to the award of the degrees of BSc(Eng), BE or BSc(Eng), and BSc(Tech) respectively. Details of these courses are set out in the section of the Faculty of Engineering Handbook covering

the School of Mechanical Engineering and in the section of the Faculty of Applied Science Handbook covering the School of Mining Engineering. Courses in Electrical and Civil Engineering can be commenced at Broken Hill Division and completed at Kensington. Science courses in Chemistry, Mathematics and Geology are also offered leading to the award of the degree, Bachelor of Science. Details of this course may be found in the Combined Sciences Handbook.

Further information concerning the facilities at Broken Hill may be obtained from the Director, Broken Hill Division of the University of New South Wales, Box 334, PO, Broken Hill 2880.

Royal Military College, Duntroon

The Royal Military College was established in 1911 to train cadets for service as officers in the Australian and New Zealand Armies. It presents four-year and five-year courses which combine both military and academic studies. In recent years, the courses were developed under the guidance of external academic committees to make them comparable in standard with university undergraduate courses.

In 1967 the University and the Department of the Army agreed to co-operate in developing the Royal Military College into a separate autonomous degree-conferring body within a period of ten years. Acting under the agreement, the University established in 1968 the Faculty of Military Studies at the College. Through it the University now provides courses of study leading to the award of the degrees of BA, BSc and BE in the Faculty of Military Studies at pass and honours level. Opportunities are available for graduate study leading to the award of the University's degrees of Master of Arts (through research), Master of Engineering, Master of Engineering Science, Master of Science and Doctor of Philosophy.

Entry to the Royal Military College is by selection; a candidate must have reached an approved academic standard and must meet certain physical and personal standards. Admission to undergraduate courses in the Faculty of Military Studies is restricted to cadets of the Royal Military College who meet the matriculation requirements of the University and to other members of the regular Defence Forces who meet such requirements and who may be approved by Faculty.

The undergraduate courses offered by the Faculty of Military Studies are listed later in the section **Disciplines of the University** and are published in detail in the annual Royal Military College and Faculty of Military Studies Handbook.

In 1974 the Commonwealth Government announced that it would establish a separate autonomous degree-conferring Defence Force institution. Within that context, in 1977 the University and the Minister for Defence agreed to continue their co-operation in the operation and development of the Faculty.

Enquiries relating to the College should be addressed to the Secretary, Royal Military College, Duntroon, ACT 2600.

Australian Graduate School of Management

In 1969 the Australian Government appointed a committee of overseas experts headed by Dr Richard Cyert to advise on the future needs for graduate management education in Australia. The committee recommended *inter alia*, that 'a new national graduate school of management be established at the University of New South Wales.'

Late in 1973 the Australian Government announced that it would provide the financial resources necessary to proceed with the establishment of the proposed School. To undertake its planning the University appointed an Interim Board of Management, which completed its task early in 1976, and at this point was replaced by a permanent Board of Management. The sixteen members of the permanent Board include the Vice-Chancellor, the School's Director (Professor P. R. Brown), the Chairman of the Professorial Board, representatives of the public and private sectors, of employee and other organizations with interests in management education, and of the academic staff and student body of the School.

The school also has a Board of Studies which operates in similar manner to a faculty so far as the activities of the School are concerned.

The Cyert Committee saw as the basic aim of the new School 'a need to enhance, at a national level, the effectiveness of Australian professional management now and in the future'. The achievement of this goal was seen as involving five programs, different substantially in their academic content and in the time and nature of their impact, but all emphasizing preparation for general management.

The committee saw the most immediate contribution to the development of management capacity as coming from short advanced management programs designed for those already holding important managerial responsibilities in both the private and public sector. These courses commenced in 1977.

In fulfilment of its second aim the School has introduced Masters' degree programs in Business Administration (MBA) and Public Administration (MPA) designed to accelerate the development of talented young persons in top management positions. Enrolment of the first masters candidates occurred at the beginning of 1977 and the first graduates were awarded their degrees in 1979.

The third aim is to develop a doctoral program to meet the future needs of trained academic staff, not only to a limited extent for the national School itself but also in particular for Australian universities and colleges of advanced education.

The committee also saw a need for a program to produce educational materials uniquely designed to meet the needs of Australian management education, and for a program of research aimed at the development of new concepts and techniques to increase the effectiveness of Australian managers.

Visiting Committees

To enhance its contact with outside interests and to advise it, Council has appointed a series of Visiting Committees comprised of senior and experienced people from industry, commerce, government and the professions together with the professorial staff of schools and representatives from the Alumni Association. These Committees appraise particular educational programs in relation to the needs of industry and professional practice, receive and discuss the annual report of the head of the school, report to Council on any special problems facing the school, and aid the development of the school in any other way possible.

The present chairmen are: To be nominated (Accountancy); Mr G. Rose (Applied Geology); Dr W. R. Blevin (Applied Physics); Dr A. A. Cooper (Building); Mr P. Huggins (Chemical Engineering); Dr J. T. Baker (Chemistry); Mr C. H. Monk (Civil Engineering); Mr M. F. Lamrock (Electrical Engineering); Dr V. M. Lewis (Food Technology); Dr S. Sax (Health Administration); Dr J. E. Isaac (Industrial Relations); To be nominated (Mathematics); Mr R. J. Yates (Mechanical and Industrial Engineering); Mr C. H. Martin (Mining Engineering); Mr G. Bell (Optometry); Mr R. B. Alderton (Surveying); Mr R. J. Parsons (WS & LB Robinson University College, Broken Hill).

Other University Organizations

Alumni Unit

The Alumni Unit of the University, within the Registrar's Division, was established to provide a point of contact for the graduates and graduate diplomates who constitute the Alumni. It encourages a continuing relationship with the University, and each alumnus is welcome to contact the office regarding any queries or problems which may arise concerning the University. The Alumni Office is located in the Chancellery. Telephone 663 0351 extn 2998.

A close liaison is maintained with the University of New South Wales Alumni Association.

Australian School of Nuclear Technology

The University of New South Wales and the Australian Atomic Energy Commission have co-operated to establish the Australian School of Nuclear Technology. The School is controlled by a board consisting of representatives of the University of New South Wales, the Australian Atomic Energy Commission and the Australian Institute of Nuclear Science and Engineering. Dr J. N. Gregory, AAEC Research Establishment, is Chairman of the Board.

The School is located adjacent to the Research Establishment at Lucas Heights and has access to the excellent research facilities of the Australian Atomic Energy Commission. It was created primarily to help meet the need for additional facilities for instruction in nuclear science and technology. The principal, Mr D. A. Newmarch, who is responsible to the board for the operation of the School, controls its day to day activities. Lecturing staff is drawn from the University and the Commission as well as from other institutions when appropriate.

Courses, ranging in duration from four to sixteen weeks, are offered in various phases of nuclear technology at a variety of levels. The courses do not lead to a degree or diploma. In relevant cases, however, students of universities may obtain credit for successful attendance at a course by application through the normal university channels. Further details may be obtained from the Principal, Australian School of Nuclear Technology, Private Mail Bag, Sutherland, New South Wales 2232.

Centre for Biomedical Engineering

The Centre was established in 1976 as an interdisciplinary unit to promote and coordinate biomedical engineering studies and research activities being conducted by various departments within the University and its associated teaching hospitals. The Centre, although established within the Faculty of Engineering, is closely allied with the Faculties of Medicine, Applied Science and Biological Sciences.

An Advisory Board, appointed by the Vice-Chancellor and consisting of eminent people from diverse fields, is responsible for the overall policy-making of the Centre. A Management Committee, whose members are drawn from the disciplines of medicine and engineering, implement the policy objectives of the Board. *Ad hoc* project committees look after the progress of specific projects.

The Centre offers graduate programs leading to the award of the degree of Master of Biomedical Engineering and, in association with other schools, the degree of Doctor of Philosophy.

Further information, regarding the MBiomedE degree course and the activities of the Centre, is available from the Director, Associate Professor Peter C. Farrell, Room 420, Geography and Surveying Building. Telephone 662 3710.

Energy Research, Development and Information Centre

The Energy Research, Development and Information Centre was established in 1978, as a result of the University's recognition of the need for steps to be taken to enhance its contribution to the study of Australia's energy problems.

The functions of the Centre are:

1. To identify and report to the Vice-Chancellor on new directions for energy research, including technological, economic, environmental, social, conservation and educational aspects (especially continuing education), with a view to meeting the needs of the Australian community;
2. To facilitate and to generate funding opportunities for energy research within the University, both in existing schools and in new multi-disciplinary areas;
3. To be a vehicle for the receipt by the University of enquiries on energy research and development and for the formulation and submission of multi-disciplinary proposals by the University;

4. To catalyse the flow of information on energy, both within and from the University;

5. To advise on how the University Library might become a resource centre for information on energy in Australia;

6. To consider and report on possible methods of funding the Centre in the future; and

7. To prepare and submit to the Vice-Chancellor within three months of the close of each calendar year an annual report of University activities in the field of energy.

The Management Committee of the Centre comprises the Director, Associate Professor G. D. Sergeant and five other members, under the chairmanship of Professor L. W. Davies. Mr J. W. A. Brain is Technical Secretary of the Centre.

Division of Postgraduate Extension Studies

The Division was formed in 1961 for the purpose of expanding the University's activities in the field of post-graduate extension studies and of providing an organization within which the University's radio and television activities could be established. Lectures, courses and seminars are held at the University's Kensington campus and elsewhere and are given over Radio University VL2UV, and Television University VITU; correspondence courses using audio or video cassette recordings of the radio or television lectures are available at extension centres or wherever a group of students exists.

Special printed notes are provided for students of the radio, television and tape courses, and these are essential for understanding the lectures; seminars are conducted in conjunction with these courses giving the students the opportunity to discuss the lectures and any difficulties they may have with the material.

Domestic radios may be adapted readily to receive VL2UV. TV receivers with a uhf tuner are necessary to receive VITU. Over 120 courses are available in this way, and in country areas, groups of as few as three students may participate at fees comparable to those paid by students in Sydney. Many enrolments are also accepted from students in other States and from overseas.

The emphasis of radio and television courses is on graduate and refresher courses for professional people, and for school-leaving students who are proceeding to an undergraduate course at a university. A wide range of subjects is offered.

In the field of Human Communications, both a graduate diploma course and a Master of Engineering Science

degree course are offered by the Faculty of Engineering, for which the Division makes available lectures on radio and television which are combined with laboratory/tutorial work at the Kensington campus. The Division also makes available a number of subjects on tape in the graduate diploma courses in Energy Developments and Current Science, offered respectively by the Faculties of Engineering and Science. For details see the section Graduate Study in the Engineering and/or Combined Sciences Handbooks.

The research projects in the Division are principally in the field of learning and perception, using the media of radio, computer terminals and television, and in automated educational television program production and presentation.

The Co-ordinator of Postgraduate Extension Studies is Associate Professor D. Broadbent. The Division is located on the top floor of the Mathews Building, High Street, Kensington. Telephone 663 0351 extn 2691.

Field Stations

The University has acquired a number of field stations because real environmental conditions are necessary for teaching and research purposes in many disciplines such as Wool and Pastoral Sciences, Botany, Zoology, Surveying, Geography, Water Engineering, Architecture and Geology.

The agricultural field stations of the University include the Fowlers Gap Arid Zone Research Station, the Central West Field Station Complex (comprising properties at Wellington, Manildra and Stuart Town), the Hay Field Station and the coastal grazing property at Burraduc.

The biological field stations include an area at Cowan and the marine field station at Smith's Lake.

Institute of Administration

The Institute of Administration was established by the University Council in 1960. Continuing management education courses of a residential nature are provided by the Institute for executives from industry, commerce, government and the professions.

Educational and residential facilities are located on the foreshores of Little Bay in the grounds of the Prince

Henry Hospital. The educational facilities comprise large seminar rooms and syndicate rooms furnished to make use of a variety of educational methods. Single-room accommodation as well as catering facilities are sufficient for 70 course members together with two suites for course directors and visiting guest lecturers.

Teaching sessions are conducted by University staff and practising executives from business and government.

Institute of Languages

In 1966 Council approved the establishment of an Institute of Languages within the University. The Institute is an entity in its own right, and is distinct from any School or Faculty. Its main aim is to assist students and staff members to acquire practical skill and proficiency in speaking, reading and, in some cases, writing a foreign language. Its secondary aim is to conduct courses in a number of languages, including English as a Foreign Language for overseas students and others.

The languages offered are determined in the light of needs and demands. Included in the Institute's facilities are two thirty-booth language laboratories, remedial and convertible individual booth laboratories, listening posts, a rapid reading clinic and miscellaneous electronic equipment to aid in the accelerated language learning process.

The Institute is responsible directly to Professor J. B. Thornton, Pro-Vice-Chancellor. The Director is Mr A. J. Garrick.

Institute of Marine Sciences

The Institute comprises members of schools and faculties of the University which have teaching and research interests in some field of marine science. The major part of the work of the Institute is conducted within the administrative framework of the member schools, but it is envisaged that some research projects that span the interests of several schools will be developed as Institute projects. Members of the Institute co-operate in the development and teaching of multidisciplinary marine science programs which are available to undergraduate students through the Board of Studies in Science and Mathematics.

The Institute has a Management Committee which meets under the chairmanship of Professor R. M. Golding, Pro-Vice-Chancellor. Dr Patricia I. Dixon of the School of Zoology is Technical Secretary of the Committee.

Institute of Rural Technology

The Institute of Rural Technology was formed by the University Council in 1959. It was felt that such a body could best co-ordinate and expand the research activities of the various Schools on problems relating to the primary industries of Australia. While the School of Wool and Pastoral Sciences is daily concerned with many problems of the wool industry, other Schools are also engaged in work of importance to the man on the land. For example, various aspects of agricultural engineering are being investigated by the School of Mechanical and Industrial Engineering, and the School of Botany is involved in the development of superior varieties of cereal crops. These different activities are being co-ordinated by the Institute of Rural Technology.

Advisory work in fields not covered by existing advisory services is also carried out by the publication of reports of research.

The Institute through its Chairman is responsible for the development and administration of field research stations placed under its control by the University. The first of these stations is at Wellington, NSW, with subsidiary properties at Manildra and Stuart Town.

The Management Committee of the Institute is made up of representatives of the University's Schools under the chairmanship of Professor R. M. Golding, Pro-Vice-Chancellor. Mr J. W. A. Brain is the Technical Secretary of the Institute.

4. A representative of each of the Royal Colleges in the medical field in Australia, and a representative of the Australian Medical Association.

5. The Chairmen of Postgraduate Committees appointed by teaching and associated hospitals of the University of New South Wales (*ex officio*).

6. The chairman of the Health Commission of New South Wales or a nominee.

7. Such other members of the medical or allied health professions as may from time to time be elected by the Faculty of Medicine.

The terms of reference of the Committee in Postgraduate Medical Education are: to promote graduate education and research in medicine at the University and at its teaching hospitals; to organize courses to aid the continuing education of medical practitioners in all phases of their professional lives; to encourage the use of resources such as radio, cassette tapes and/or television for such continuing education purposes; and to co-operate in its endeavours with relevant Government departments, with boards and staffs of hospitals, with committees in postgraduate medicine at other Australian universities, and with the Australian Postgraduate Federation in Medicine.

Public Affairs Unit

The role of the Public Affairs Unit is to facilitate communication of information and mutual understanding within the University community, and to promote knowledge of the University in the community at large.

The Unit, which is responsible to the Vice-Chancellor, provides information, editorial and community liaison services for the University. The PAU is responsible for several publications including *Uniken* (a fortnightly campus journal for staff and students), *Focus* (a newsletter for staff), *quarterly* (a journal for alumni, staff and general public), the University's *Annual Report*, *Occasional Papers*, *Guide to the Campus*, and a visitor's leaflet.

Other services of the PAU are official news releases, general liaison with the media, a press cuttings service, advice for publications of a general nature, liaison with the community and photography for the University's administration.

The Adviser, Public Affairs, and Head of the Public Affairs Unit is Dr Peter Pockley.

The Unit is located in Rooms 158/159, the Chancellery. Telephone 663 0351 extn 3741.

Committee in Postgraduate Medical Education

The first Postgraduate Committee in Medical Education was established by Council in 1963.

In 1978, that Committee was replaced by the Committee in Postgraduate Medical Education within the Faculty of Medicine with the following membership:

1. The Chairman.

2. The Executive Member — The Honorary Director of the Committee in Postgraduate Medical Education.

3. The following members of the Academic Staff *ex officio*: The Dean and Chairman of the Faculty of Medicine, the Heads of all schools in the Faculty of Medicine, the Professors of Medical Microbiology and Medical Biochemistry in the Faculty of Biological Sciences, and such other members of the Faculty (maximum of four) who may be elected from time to time to hold office for a period of two years.

Publications Unit

Students learn about the University—its rules and courses—through the Calendar, the Handbooks and brochures produced by the Publications Unit in the Registrar's Division. The Publications Unit also brings the activities of the University to the attention of the outside community by preparing publicity material for such events as 'University Open Day'. The unit is also responsible for a number of major publications which appear regularly: the *Research and Publications Report*, *Student Projects in Physical Sciences*, the *Community Medicine Handbook*, the *Ratcliffe Memorial Lectures* (monographs), proceedings of some of the University's seminars and symposia, and for such journals as *The Australian Journal of Management*, the *Centre for Applied Economic Research Papers* and *Urbanology*. The unit also arranges other publications as required by the University and offers a comprehensive consulting service on all aspects of publications production, including graphics design, typesetting and printing supervision.

teaching and learning programs of the University. Consultative and evaluative services are provided to faculties, schools and individual staff members to promote the development of curricula, teaching skills and assessment procedures. Institutional research is also undertaken to assist educational policy-making within the University.

TERC also offers several specialized services. The Film Centre advises on the use of films in teaching and makes hiring arrangements. The Visual Aids Section provides photographic services and produces 16 mm films and video-recordings. The Educational Testing Centre advises on all aspects of student assessment and provides facilities for the machine-reading of objective tests and survey documents.

Radiation and General Safety Unit

The University's initiative in radiation protection was expanded in 1977 by the establishment of the Radiation and General Safety Unit. The Unit is responsible to the Vice-Chancellor for the co-ordination and supervision of the University's safety program. The objectives of the program are to protect the health and safety of staff, students and public; to facilitate the use of equipment by providing advice and assistance on safety matters; to ensure that all work conducted by the University fulfils statutory safety requirements; and to minimise the possibility of an accident occurring within the University.

The University Safety Committee under the chairmanship of Professor R. M. Golding, Pro-Vice-Chancellor, advises the Vice-Chancellor on safety policy, and recommends methods to promote the safety of staff, students and visitors. The executive members of the Committee are the Radiation Protection Officer, Dr R. Rosen, and the Safety Officer, Mr G. Suckling.

Unisearch Limited

Unisearch Ltd was established in April 1959 by the Council of the University for the purpose of furthering one of the major objects of the University as set out in the Act of Incorporation, viz 'to aid by research and other suitable means the advancement, development and practical application of science to industry and commerce'.

Unisearch actively seeks to assist Australian industry in the solution of its research and developmental problems. It provides technical services in a wide variety of industrial fields, and is responsible for the exploitation of inventions arising out of the work of the University. The Company has had considerable success in solving production problems brought to it by industrial organizations in all Australian States and in assisting in the establishment of new industrial processes.

The Articles of Association of Unisearch Ltd, which has no share capital, provide that only members of the Council of the University may be appointed members of the Company, of which there are nine. The business of the Company is conducted by five directors, one of whom is the Vice-Chancellor of the University. The members and directors receive no payment for their services and all profits from the Company's operations are given to the University to further its objects and work in the community.

Tertiary Education Research Centre

Established in 1961, the Centre engages in research and development activities directed at improving the

All enquiries should be addressed to the General Manager, Mr B. Rosenberg, Unisearch Ltd, PO Box 1, Kensington, NSW 2033. Telephone 663 0351 extn 3701.

Associated University Organizations

Drama Foundation

The Foundation was established in 1965 under the auspices of the Council of the University and in association with the Australian Elizabethan Theatre Trust. The Board of Governors is made up of an equal number of members representing the University and the Trust, and a Chairman appointed by the University. The Chairman of the Board is Dr H. F. Heath, Member of Council of the University of New South Wales.

The purpose of the Foundation is to promote and encourage the practice and study of the theatre arts in New South Wales, particularly through the drama organizations already existing at the University, and to receive and administer funds for this purpose.

The Foundation began its operations in 1966.

The Medical Foundation

The present Foundation was established in 1973 by the University Council as a fund-raising body to promote education, training and research in the University's Faculty of Medicine and teaching hospitals. It is controlled by a Board consisting of the Dean of the Faculty of Medicine, the Chairman of the Faculty of Medicine, any medically qualified member of Council and up to twelve other members appointed by Council.

Monomeeth Association

The Monomeeth Association, which takes its name from an aboriginal word meaning 'friendship', is a group of parents and friends of the University, founded in 1963 to promote the University's interests in the Community. It also raises funds for campus amenities, and those provided to date include the large clocks on the outside of four of the major buildings of the University, and the Steinway piano in the Clancy Auditorium.

The Association's members normally meet in the Council Chamber on the last Friday of every second month, and

occasionally hold social functions. Membership is open to all parents and friends of graduates and undergraduates. Other persons interested to learn about the University may attend any of the Association's functions without obligation. Further information may be obtained from the Secretary, Mr C. Elliott, 6 Fauna Street, Earlwood 2206. Telephone 55 1346.

The National Institute of Dramatic Art

The National Institute of Dramatic Art was established in 1958 under the auspices of the University of New South Wales and the Australian Elizabethan Theatre Trust and in association with the Australian Broadcasting Commission. These three bodies are represented on the Board of Directors to which the Director, Mr J. R. Clark, is responsible for the general conduct of the Institute. The Board is advised through the Director by a Board of Studies on such matters as the awarding of scholarships and the arrangement of the curriculum.

NIDA offers full-time, three year courses in: 1. acting; 2. technical production; 3. design. There is a one year graduate Student Directors Course and an Advanced Course intended for graduates with considerable experience of professional theatre. Since 1966, the Advanced Course has been responsible for the Jane Street Seasons of plays which have become a regular feature of the theatrical life of Sydney. Graduates of these courses are currently engaged in theatre, film and television production throughout Australia and abroad.

NIDA enjoys a close association with the University of New South Wales, the Australia Council and the Australian Broadcasting Commission. It is recognized as an institution by the federal Department of Education and students are eligible for TEAS assistance.

Enquiries should be addressed to: The Director, The National Institute of Dramatic Art, PO Box 1, Kensington, NSW 2033. Telephone 663 3815.

The University of New South Wales Alumni Association

Graduation confers on each graduate or diplomate of the University formal membership of the University of New South Wales Alumni Association, which fills a similar function to Convocation, the statutory body to which graduates automatically belong in many other universities.

Over 38,000 alumni have now entered various fields of employment in over 80 countries, and the Association seeks to bring all these people into a mutually beneficial co-operative association. Branches have developed both interstate and abroad, and they provide helpful contacts wherever alumni may travel. This point is emphasized by the Association's membership of the Australian University Graduate Conference, which has already established world-wide contacts in the interests of University alumni.

The Alumni Association was formed in 1967, and now has a broadly representative elected Board. A major section of the Board, which manages the affairs of the Association, consists of a member from the graduating class in each Faculty, who holds office for one year. The remainder of the Board consists of thirteen members elected by the alumni and five persons appointed by the University Council, at least three of whom are members of the academic staff. A limited number of members can also be co-opted by the Board.

There is no subscription for an ordinary member; however, an alumnus may choose to become a contributing member of the organization to assist with continuing expenses and to establish a fund for Alumni Association projects.

If you wish to obtain any further information about the Association, please contact the Alumni Unit, Room 148E, the Chancellery, or telephone 663 0351 extn 2998.

The New South Wales University Press Limited

The New South Wales University Press publishes scholarly works, textbooks and a variety of general books. It was established in 1961 as a joint venture by the University and the Students' Union. In 1978 by agreement with the Students' Union, the University assumed complete ownership of the Press.

In 1976 an Editorial Advisory Committee was formed with a view to encouraging the publication of quality scholarly typescripts. The number of such typescripts it accepts is related both to their quality and available finance.

The Chairman of directors is Mr A. R. Horton. Mr D. S. Howie is general manager of the company.

The editorial and sales offices of the Press are in the Chancellery. Telephone 663 0351 extn 3503.

All enquiries should be addressed to the General Manager, New South Wales University Press, Box 1, PO Kensington, NSW 2033.

U Committee

The U Committee, with members drawn from staff wives and friends of the University, has very much broadened its interests since it was established in 1963 as the U Ball Committee.

Fund-raising is its prime purpose, and the Committee has promoted projects that include the combined Sydney University and UNSW International House furnishing appeal, the stage tower at the Parade Theatre, the acquisition of the Mona Hessing tapestry for the foyer of the Clancy Auditorium, the time clock and its installation at the David Phillips Field, and the visit of the UNSW Opera to the Fifth International Festival of Youth Orchestras in Britain in 1975.

In 1978 the Committee arranged the first series of Kensington Lectures for the benefit of HSC students and in 1979 these continued to be of obvious appeal to large audiences. The Committee has also donated \$73,000 towards the cost of the University Swimming Pool, thus enabling, among other work, the installation of modern, complex timing and score display equipment. The University Art Prize (\$5000) and the Travelling Art Scholarship (\$2000) were also inaugurated in 1979 as a result of the gift of \$70,000 by the Committee.

One of its major activities is the Book Fair, of which the next will be held in 1980.

The Secretary, Mrs Deirdre Bromham, c/- Basser College, High Street, Kensington 2033 (telephone 663 1650) would be pleased to hear from women interested in joining.

Wives' Group

The members of the University Wives' Group are wives of University staff. They meet on the third Wednesday of each month from February to November to share interests and develop friendship and social intercourse. Generally the meetings have a guest speaker and are held in the Roundhouse.

The Group is eager to welcome new members, and in order to attract more young wives has established a child-minding service with a nominal fee. The Group membership fee is \$5 and wives interested in joining may contact the Secretary, Mrs L. Delaney, 119 Botany Street, Randwick 2031. Telephone 398 1767.

Financial Assistance to Students

Tertiary Education Assistance Scheme

Under this scheme, which is financed by the Commonwealth Government, assistance is available for full-time study in approved courses, to students who are not bonded and who are permanent residents of Australia, subject to a means test on a non-competitive basis. The allowances paid are unlikely to be sufficient, even at the maximum rate, for all the living expenses of a student. Family help and/or incomes from vacation or spare-time work would also be needed.

Students in the following types of university courses are eligible for assistance:

- Undergraduate and graduate bachelor degree courses
- Graduate diplomas
- Approved combined bachelor degree courses
- Master's qualifying courses (one year).

The rates of allowance and conditions for eligibility are set out in a booklet obtainable from the Commonwealth Department of Education.

1979 Higher School Certificate candidates and tertiary students receiving an allowance are sent forms in January 1980. Other students may obtain forms from the Admissions Section or the Student Employment and Scholarships Section, or from the Director, Department of Education, 59 Goulburn Street, Sydney, NSW 2000 (telephone 218 8800). Continuing students should submit applications as soon as examination results are available. New students should do so as soon as they are enrolled. All students should apply by 31 March 1980, otherwise benefits will not be paid for the earlier months of the year.

Other Financial Assistance

In addition to the Tertiary Education Assistance Scheme financed by the Australian Government the following forms of assistance are available:

1. Deferment of Payment of Fees Deferments may be granted for a short period, usually one month, without the imposition of a late fee penalty, provided the deferment is requested prior to the due date for fee payments.

2. Short Term Cash Loans Donations from the Students' Union, the University Union and other sources have made funds available for urgent cash loans not exceeding \$100. These loans are normally repayable within one month.

3. Early in 1973 the Commonwealth Government made funds available to the University to provide loans to students in financial difficulty. The loans are to provide for living allowances and other approved expenses associated with attendance at University. Repayment usually commences after graduation or upon withdrawal from the course. Students are required to enter into a formal agreement with the University to repay the loan. The University is unable to provide from the fund amounts large enough for all or even a major part of the living expenses of a student.

From the same source students who are in extremely difficult financial circumstances may apply for assistance by way of a non-repayable grant. In order to qualify for a grant a student must generally show that the financial difficulty has arisen from exceptional misfortune. Grants are rarely made.

The University has also been the recipient of generous donations from the Arthur T. George Foundation, started by Sir Arthur George and his family, for the endowment of a student loan fund.

In all cases assistance is limited to students with reasonable academic records and whose financial circumstances warrant assistance.

Enquiries about all forms of financial assistance should be made at the office of the Deputy Registrar (Student Services), Room 148E, in the Chancellery.

Financial Assistance to Aboriginal Students

Financial assistance is available to help Aboriginal students from the Commonwealth Government's Aboriginal Study Grant Scheme. Furthermore, the University may assist Aboriginal students with loans to meet some essential living expenses.

All enquiries relating to this scheme should be made at the office of the Deputy Registrar (Student Services), Room 148E, in the Chancellery.

Fund for Physically Handicapped and Disabled Students

The University has a small fund (started by a generous gift from a member of staff who wishes to remain anonymous) available for projects of benefit to handicapped and disabled students. Enquiries should be made at the office of the Deputy Registrar (Student Services), Room 148E, in the Chancellery.

Scholarships

Undergraduate Scholarships

As well as the assistance mentioned, there are a number of scholarships available to students. What follows is an outline only. Full information may be obtained from the Student Employment and Scholarships Unit, located on the Ground Floor of the Chancellery.

Unless otherwise indicated in footnotes, applications for the following scholarships should be made to the Registrar by 14 January each year. Please note that not all of these awards are available every year.

Donor	Value	Year/s of Tenure	Conditions
General			
Bursary Endowment Board*	\$150 pa	Minimum period of approved degree/combined degree course	Merit in HSC and total family income not exceeding \$4000
Sam Cracknell Memorial	Up to \$3000 pa payable in fortnightly instalments	1 year	Prior completion of at least 2 years of a degree or diploma course and enrolment in a full-time course during the year of application; academic merit; participation in sport both directly and administratively; and financial need
Girls Realm Guild	Up to \$1500 pa	1 year renewable for the duration of the course subject to satisfactory progress and continued demonstration of need	Available only to female students under 35 years of age enrolling in any year of a full-time undergraduate course on the basis of academic merit and financial need

Applied Science

Applied Geology

Esso Australia Ltd	Up to \$600 pa	1 year	Permanent residence in Australia and eligibility for admission to Year 4 or honours year of full-time Applied Science or Science Course in Geology or Geophysics
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*Apply to The Secretary, Bursary Endowment Board, Box 460, PO, North Sydney 2060 immediately after sitting for HSC.

Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Ceramic Engineering			
Australian Ceramic Society	Up to \$600 pa	1 year renewable for the duration of the course subject to satisfactory progress	Permanent residence in Australia and eligibility for admission to the first or second year of the full-time degree course in Ceramic Engineering
Australian Consolidated Industries Ltd	Up to \$600 pa		
The Brick Manufacturers' Association of New South Wales	Up to \$900 pa		
The State Brickworks	Up to \$900 pa	1 year renewable for the duration of the course subject to satisfactory progress	Permanent resident status in Australia and eligibility for admission to the first or second year of the full-time degree course in Ceramic Engineering
Wunderlich Limited	Up to \$600 pa		
Chemical Engineering			
Shell Refining (Australia) Pty Ltd	Up to \$400 pa	1 year renewable for the duration of the course subject to satisfactory progress	Eligibility for admission to the second year of the full-time course in Chemical Engineering
Dow Chemical (Australia)	Up to \$500 pa		Permanent residence in Australia and eligibility for admission to the second year of the full-time degree course in Chemical Engineering
Australian Waste Disposal Conference Committee	Up to \$300 pa		Permanent residence in Australia and eligibility for admission to any year of the full-time degree course in Fuel Technology
Food Technology			
Bush-Boake-Allen Pty Ltd	Up to \$4000 over 4 years	1 year renewable for the duration of the course subject to satisfactory progress	Permanent residence in Australia and eligibility for admission to the first year of the full-time degree course in Food Technology
Coca-Cola Export Corporation	Up to \$1000 pa		
Food Technology Association	Up to \$1000 pa		Not more than 22 years of age on 1 December preceding the year in which the award commences and eligibility for admission to the full-time degree course in Food Technology
George Weston Foods Ltd	Up to \$4000 over 4 years		
Gillespie/White Wings	Up to \$1000 pa		

Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Fuel Technology			
Australian Waste Disposal Conference Committee	Up to \$300 pa	1 year with possibility of further extension subject to satisfactory progress	Permanent residence in Australia and eligibility for admission to any year of the full-time degree course in Fuel Technology
Metallurgy			
School of Metallurgy	Up to \$500 pa	1 year renewable for the duration of the course, subject to satisfactory progress	Eligibility for admission to the first year of the full-time course in Metallurgy or Metallurgical Process Engineering
Mining Engineering			
Stan Sawyer Memorial Scholarship to Coal Mining Students	Up to \$200 pa		Eligibility for admission to the third or fourth year of the full-time degree course in Mining Engineering
Textile Technology			
The Australian Wool Corporation	\$2348 or \$1523 pa	1 year renewable for the duration of the course, subject to satisfactory progress	Permanent residence in Australia and eligibility for admission to the full-time degree course in Textile Technology
Bonds Industries Ltd	Up to \$4000 over 4 years		
Bradmill Industries Ltd	Up to \$1000 pa		
Wool and Pastoral Sciences			
The Australian Estates Co Ltd	Up to \$1000 pa	1 year renewable for the duration of the course, subject to satisfactory progress	Permanent residence in Australia and eligibility for admission to the full-time degree course in Wool and Pastoral Sciences
The Australian Wool Corporation	\$2348 or \$1523 pa		
Commercial Banking Company of Sydney Limited	Up to \$1000 pa		
Dalgety Australia Limited	Up to \$4000 over 4 years		
Merck Sharp & Dohme (Aust) Pty Ltd	Up to \$1000 pa		
National Council of Wool Selling Brokers of Australia	Up to \$1000 pa		

Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Commerce			
CSR Ltd	Up to \$1200 pa for 1st year; \$600 pa for 3rd and 4th year	1 year renewable for the duration of the course, subject to satisfactory progress	Eligibility for admission to the full-time course in Accounting, Finance and Systems, Economics, Econometrics, Marketing or Industrial Relations. The award is available for full-time study in first year, for part-time study in the second and third year while employed with the Company and for full-time study in the third and fourth years of the course.
Dalgety Australia Limited	Up to \$4000 over 4 years	1 year renewable for the duration of the course, subject to satisfactory progress	Permanent residence in Australia and eligibility for admission to the full-time degree course in Marketing
Engineering			
Electrical Engineering			
The Tyree Electrical Company Pty Ltd	Up to \$4000 over 4 years	1 year renewable for the duration of the course, subject to satisfactory progress	Eligibility for admission to the full-time degree course in Electrical Engineering
Mechanical Engineering			
The Fox Manufacturing Company	Up to \$1500 pa	1 year renewable for the duration of the course, subject to satisfactory progress	Eligibility for admission to the full-time degree course in Mechanical Engineering
James Howden & Co Australia Pty Ltd	Up to \$400 pa	1 year	
Surveying			
The Institution of Surveyors, NSW Division	Up to \$250 per session	In parts 4, 5, 6 and 8 of the full-time course	Permanent residence in Australia and eligibility for admission to the full-time degree course in Surveying

Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Medicine			
The Claude H. Vautin Memorial	Up to \$250 pa	1 year renewable for the duration of the course, subject to satisfactory progress	Child of member or former member of Royal Australian Air Force undertaking the full-time degree course leading to the degrees of Bachelor of Medicine and Bachelor of Surgery

Science
Mathematics

Olivetti Australia Pty Ltd	Up to \$600 pa	2 years subject to satisfactory progress	Eligibility for admission to the third year of an honours program in the School of Mathematics in Pure/Applied Mathematics, Theoretical Mechanics or Statistics and leading to the award of the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Science Diploma in Education
George Szekeres Award	\$200 pa	1 year	Open to students entering the final year of the honours course in Pure Mathematics

Optometry

Gibb & Beeman (Spectacle Makers) Pty Ltd	Up to \$500 pa	1 year renewable for the duration of the course subject to satisfactory progress	Residents of NSW under the age of 21 who are eligible for admission to the full-time degree course in Optometry
Optometric Associates Co-operative Limited	Up to \$250 pa	1 year	Permanent residents of NSW intending to practise optometry in NSW who are eligible for admission to the fourth year of the full-time degree course in Optometry

Graduate Scholarships

Application forms and further information are available from the Student Employment and Scholarships Unit, located on the Ground Floor of the Chancellery. This unit provides information on additional scholarships which may become available from time to time, mainly from funds provided by organizations sponsoring research projects.

Where possible, the scholarships are listed in order of faculty.

Donor	Value	Year/s of Tenure	Conditions
General			
University of New South Wales Research Awards	Living allowance of \$4200 pa. Other allowances may also be paid.	1-2 years for a Masters and 3-4 years for a PhD degree	Applicants must be honours graduates (or equivalent). Applications to Registrar by 31 October (30 November in special circumstances).
Commonwealth Postgraduate Research Awards		As above	Applicants must be honours graduates (or equivalent) or scholars who will graduate with honours in current academic year, and who are domiciled in Australia
Commonwealth Postgraduate Course Awards		1-2 years; minimum duration of course	Preference is given to applicants with employment experience. Applicants must be graduates or scholars who will graduate in current academic year, and who have not previously held a Commonwealth Postgraduate Award. Applications to Registrar by 30 September (in special circumstances applications will be accepted 30 November).
Australian American Educational Foundation Travel Grant*			Applicants must be graduates, senior scholars or post-doctoral Fellows. Applications close 30 September.
Australian Federation of University Women	Amount varies, depending on award	Up to 1 year	Applicants must be female graduates who are members of the Australian Federation of University Women
The British Council Commonwealth University Interchange Scheme	Cost of travel to UK or other Commonwealth country university		Applicants must be: 1. University staff on study leave. Applications close with Registrar by 30 November, for visits to commence during ensuing financial year 1 April to 31 March. 2. Graduate research workers holding research grants. Applications close with Registrar in December for visits to commence during ensuing 1 April to 31 March.

*Application forms are available from The Secretary, Department of Education, AAEF Travel Grants, PO Box 826, Woden, ACT 2606.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
General (continued)			
The Caltex Woman Graduate of the Year	\$5000 pa for further studies in USA, UK, Northern Europe or in special cases Australia. There are no special allowances for travel or accommodation for married graduates.	2 years	Applicants must be female graduates who will have completed a University degree or diploma this year and who are Australian citizens or have resided in Australia for at least seven years. Selection is based on scholastic and literary achievements, demonstrable qualities of character and accomplishments in cultural and/or sporting/recreational activities.
Commonwealth Scholarship and Fellowship Plan	Varies for each country. Generally covers travel, living, tuition fees, books and equipment, approved medical expenses. Marriage allowance may be payable.	Usually 2 years, sometimes 3	Applicants must be graduates who are Commonwealth citizens or British Protected Persons, and who are not older than 35 years of age. Applications close with Registrar by 1 October.
Sam Cracknell Memorial	Up to \$3000 pa		See above under Undergraduate Scholarships, <i>General</i>
Ruth A. Cumming (ESU)	\$500-\$2000		Applicants must be residents of NSW or ACT. Awarded to young graduates to further their studies outside Australia.
Gowrie Graduate Research	Maximum \$2000 pa in Australia, and \$2750 if tenable overseas	2 years	Applicants must be members of the Forces or children of members of the Forces who were on active service during the 1939-45 War
Harkness Fellowships of the Commonwealth Fund of New York*	Living and travel allowances, tuition and research expenses, health insurance, book and equipment and other allowances for travel and study in the USA	Between 12 to 21 months	Candidates must be either: 1. Members of the Commonwealth or a State Public Service or semi-government Authority. 2. Staff or graduate students at an Australian university. 3. Individuals recommended for nomination by the Local Correspondents. The candidate will usually have an honours degree or equivalent, or an outstanding record of achievement, and be not more than 30 years of age. Applications close July.
Frank Knox Memorial Fellowships at Harvard University	Stipend of \$3800 pa plus tuition fees	1, sometimes 2 years	Applicants must be British subjects and Australian citizens, who are graduates or near graduates of an Australian University
Nuffield Foundation Commonwealth Travelling Fellowships†	Living and travel allowances	1 year	Australian citizens usually between 25 and 35 who are graduates preferably with higher degrees and who have at least a year's teaching or research experience at a university. Applications close by February.

*Application forms must be obtained from the Australian representative of the Fund, Mr L. T. Hinde, Reserve Bank of Australia, Box 3947, GPO, Sydney, NSW 2001. These must be submitted to the Registrar by 24 July.

†Applications to the Secretary, The Nuffield Foundation Australian Advisory Committee, PO Box 783, Canberra City 2601.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
General (continued)			
The Rhodes Scholarship**	Approximately £3300-£3600	2 years, may be extended for a third year	Unmarried male and female Australian citizens between the ages 19 and 25 who have been domiciled in Australia at least 5 years and have completed at least 2 years of an approved university course. Applications close in July each year.
Rothmans Fellowships Award‡	\$14000 pa	1 year, renewable up to 3 years	The field of study is unrestricted. Applications close early September each year.

Applied Science

Australian Wool Corporation Research Scholarship in Textile Technology	\$4200 pa plus allowances	1 year subject to satisfactory progress. Renewable annually; maximum tenure of 2 years for a Masters candidate or 3 to 4 years for a PhD	Applicants must be graduates in textile physics, textile chemistry, or textile engineering
Australian Wool Corporation Research Scholarship in Wool and Pastoral Sciences			Applicants must be graduates in applied science, agricultural science or veterinary science
Australian Meat Research Committee Award*		Minimum 2 years. Maximum 3 to 4 years.	Awarded for research into the beef and cattle industry leading to the Masters or PhD degree. Applications close by 31 July.

Architecture

The Master Builders' Association of NSW	\$500 (\$250 at commencement of each year)	2 years	Applicants must be graduates who have enrolled in the Master of Science (Building) degree course
Wightman/University Scholarship	\$2000 pa	1 year	Best final year student in BArch degree course.
The Lindsay Robertson Memorial Travel Award	A maximum of \$1000	1 year	Candidates should be Landscape Architecture graduates of the University of New South Wales. The award is to undertake full-time graduate study or research in Landscape Architecture at an approved overseas university or other approved overseas institution. Applications close 30 May.
Wormald International Scholarship	\$4500 pa	1 year	Applicants must be honours Architecture graduates of the University of New South Wales

**Applications to Mr H. McCredie, Secretary of the NSW Committee, University of Sydney, NSW 2006.

‡Applications to The Secretary, Rothmans University Endowment Fund, University of Sydney, NSW 2006.

*Application forms from Executive Officer, Australian Meat Research Committee, Box 4129, GPO, Sydney 2001.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Arts, Commerce, Law			
Shell Scholarship in Arts	Approximately £3600 stg pa plus travelling expenses	2 years, sometimes 3	Applicants must be Australian citizens, under 25 years of age, with at least 5 years domicile in Australia and who are completing a full-time course in law or a full-time honours course for Bachelor of Arts or Commerce. The successful candidate will attend a British university to pursue an honours or higher degree. Applications close with the Registrar by 1 October.

Australian Graduate School of Management

Commonwealth Postgraduate Course Awards	}	Living allowance of \$4200 pa. Other allowances may also be payable.	2 years; normal duration of MBA or MPA course	Applicants must be graduates or scholars who will graduate in current academic year and who have not previously held an Australian Commonwealth Postgraduate Award. Applications should reach the Registrar by 30 September but late applications may be considered if lodged before 30 November.
University Course Awards				
The Joseph S. Barling Fellowship	}	See below under Engineering		
Harold G. Conde Memorial Fellowship				

Biological Sciences

Queen Elizabeth II Postdoctoral Fellowships in the Physical and Biological Sciences*	Stipend of \$17131 pa increased to \$18403 pa at age 28 years. \$500 pa for dependent wife, \$200 pa for each dependent child, plus other allowances.	2 years	Applicants must be Australian citizens or citizens of the UK, who have gained a PhD or equivalent qualification in one of the physical or biological sciences. Usually applicants should be under 30 years of age. Applications close at the end of the first weeks in March and September.
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*Applications obtainable from the Secretary, Queen Elizabeth Fellowships Committee, Department of Science and the Environment, PO Box 449, Woden, ACT 2606; the Minister (Scientific), Canberra House, 10-16 Maltravers Street, London WC2R 3EH, UK; or the Australian Embassy, 1601 Massachusetts Avenue, Washington DC 20036, USA.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Engineering			
Harold G. Conde Memorial Fellowship	\$4700	1 year. Renewable up to 3 years.	Candidate should be honours graduate permanently domiciled in Australia. The Fellowship is for graduate study or research in a field related to the electricity industry.
University Fellowships in Highway Engineering	\$4200 pa plus allowances	Course Work: 1 year. Research: 1 year, renewable.	The Fellowship enables scholars to complete a Master of Engineering Science Course in Highway Engineering, or alternatively undertake research leading to a Master of Engineering or PhD degree
Kenneth W. Craig Memorial Fellowship		1 year	The Fellowship enables scholars to undertake the degree of Master of Engineering Science in the School of Nuclear Engineering
Australian Institute of Nuclear Science and Engineering Studentships	Single students \$4641 pa. Dependent spouse allowance \$1632 pa, \$390 for each dependent child, plus some University expenses.	1-3 years	Applicants must be graduates in Nuclear Science or Engineering. At least one quarter of the period of tenure must be spent at the Institute at Lucas Heights, NSW.
Australian Institute of Nuclear Science and Engineering Research Fellowship†	\$12000-\$16000 pa plus certain travel and supporting grants	Minimum of 2 years. Maximum of 3 years.	To enable graduates holding a PhD or similar qualification to undertake graduate work in Nuclear Science and Engineering
The Joseph S. Barling Fellowship	Not less than \$7000 less fees	Maximum of 3 years	Candidates should be electrical engineering graduates of the University of New South Wales (in special circumstances mechanical and industrial engineering graduates may apply). The Fellowship is for full-time study for the award of the degree of Master of Business Administration or Master of Public Administration at the University. Applications close 30 November.
Shell Scholarship in Science and Engineering	See below under Science		

†Applications to the Registrar, or AINSE Private Mail Bag, Sutherland 2232.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Medicine			
The following organizations make available grants-in-aid for research in medical and related fields to enable graduates to undertake graduate study and research for higher degrees. They may be applied for through the Student Employment and Scholarships Unit, unless otherwise indicated.			
The National Health and Medical Research Council National Heart Foundation of Australia Life Insurance Medical Research Fund of Australia and New Zealand The New South Wales State Cancer Council** The Asthma Foundation of New South Wales** Sandoz Australia Pty Ltd Graduate Research Fellowship in Neurology** Merck, Sharp & Dohme (Aust) Pty Ltd Graduate Research Fellowship in Clinical Pharmacology	\$10145-\$11598 pa	1 year renewable	Applications by: 30 June 30 June 1 July 24 August 30 September To enable a suitable graduate to undertake a program of research in neurology To enable a suitable graduate to undertake research into clinical pharmacology

Professional Studies

John Metcalfe Scholarship funded by a wide range of subscribers	Up to \$2000 pa	1 year\$	Applicants must be eligible for admission to, or enrolled in, one of the full-time graduate programs of the School of Librarianship. Applications by 14 January.
Hospitals Commission of NSW and the Hospitals and Charities Commission of Victoria*	\$3500 pa plus dependents' allowances and certain university expenses	2 years	A cadetship to enable graduates to qualify for the degree of Master of Health Administration. The holder is required to remain in hospital employment for 2 years after graduation. Applications by 31 July.

Science

The Rutherford Scholarship	Travel, fees, etc. A stipend which, if held in the UK, is worth £2250 stg pa	3 years	To enable graduates under 26 years of age, or if holding a PhD under 28 years, to undertake experimental research in a branch of natural science. It is tenable at a British Commonwealth University other than the country in which the applicant graduated.
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**Applications to the Registrar.

*Further details may be obtained from the Commission in Melbourne, or from the School of Health Administration.

\$Tenure may be varied in exceptional circumstances.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Science (continued)			
Science Research Scholarship of the Royal Commission for the Exhibition of 1851	£2200 stg pa	2 years. Renewal for further year possible.	To enable graduates, usually not more than 26 years of age, to undertake research in some branch of pure or applied science at an overseas university. Applicants must be British Commonwealth citizens or citizens of the Republic of Ireland, Pakistan or South Africa, who have done at least 3 years of a university Science Course.
Shell Scholarship in Science and Engineering	Approximately £3600 stg pa plus travelling expenses	2 years, sometimes 3	Applicants must be Australian citizens, under 25 years of age, with at least 5 years domicile in Australia and who are graduates with at least 1 year's research experience. The successful candidate will undertake 2 years' graduate research leading to the MSc or PhD degree, at a British university.
American Optical Corporation Scholarship	\$1000 pa	1 year renewable	To enable a graduate in optometry to undertake study for the award of the degree of Master of Optometry. Applications to Registrar by 15 January.
Contavue Laboratories Contact Lens Graduate Research Scholarship			To enable a graduate in optometry, medicine, or other appropriate discipline to undertake the degree of Master of Science or PhD in the Department of Optometry. Applications to Registrar by 30 November.
Hydron Laboratories Contact Lens Research Scholarship			
Contact Lens Society of Australia			

Prizes

Undergraduate University Prizes

The following table summarizes the undergraduate prizes awarded by the University. Prizes which are not specific to any School are listed under **General**. All other prizes are listed under the Faculty or Schools in which they are awarded.

Donor/Name of Prize	Value \$	Awarded for
General		
Sydney Technical College Union Award	50.00 and medal	Leadership in the development of student affairs, and academic proficiency throughout the course
University of New South Wales Alumni Association	Statuette	Achievement for community benefit — students in their final or graduating year

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
Faculty of Applied Science		
Institution of Engineers, Australia	Medal and 100.00	The most proficient final year (or last 2 years part-time) student in the Bachelor of Engineering (or Bachelor of Science (Engineering)) degree courses offered by the following Schools: Civil Engineering Electrical Engineering Mechanical and Industrial Engineering Chemical Engineering Mining Engineering Textile Technology (Engineering option only)
Faculty of Commerce		
The Sir Kevin Ellis	700.00	High degree of proficiency throughout combined BCom/LLB degree course
University of New South Wales Commerce Society	50.00	Academic proficiency throughout the Commerce degree course and leadership in student activities
Faculty of Engineering		
Institution of Engineers, Australia	See above under Faculty of Applied Science	
The John Fraser Memorial Award	130.00	Excellence in the first year or equivalent part-time years of a bachelors degree course offered by the Faculty of Engineering
Faculty of Law		
The Sir Kevin Ellis	700.00	High degree of proficiency throughout combined BCom/LLB degree course
Spruson and Ferguson	100.00	Best overall result in 90.424 Industrial and Intellectual Property
Freehill, Hollingdale and Page	200.00	General proficiency in four Business Law subjects
Sir Alan Taylor	50.00	Academic proficiency in subjects common to Year 1 of courses leading to the award of the LLB or BJuris degree

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
Faculty of Medicine		
FRATADD	200.00	Essay on a clinical or scientific aspect of alcoholism or a drug of dependence (one prize available to undergraduates and graduates)
Medical Staff Association	100.00	General proficiency by a graduating student in the clinical years
Prince of Wales Hospital Ladies Auxiliary	100.00	General proficiency in Years 1 and 2 of the medical course
A. H. Robins	500.00	General proficiency and leadership — penultimate year
Wallace Wurth	200.00	General proficiency throughout the medical course
School of Accountancy		
Australian Society of Accountants	75.00	14.501 Accounting and Financial Management IA
	75.00	14.522 Accounting and Financial Management IIA or 14.532 Accounting and Financial Management IIA (Honours)
Chamber of Manufactures of New South Wales	15.00	14.703 Advanced Auditing
Greenwood, Challoner & Co	50.00	14.742 Business Law II
Hungerfords	25.00	14.511 Accounting and Financial Management IB
	25.00	14.593 Accounting and Financial Management IIIB (Honours)
Law Book Co Ltd	50.00 Books	14.511 Accounting and Financial Management IB
Taxation Institute of Australia	75.00	14.783 Taxation Law
John Menzies McKellar White Memorial	200.00	14.859/14.959G Advanced Studies in Taxation
Wilson Bros (Printers) Pty Ltd	30.00	14.583 Accounting and Financial Management IIIB
E. S. Wolfenden Memorial	50.00	14.563 Accounting and Financial Management IIIA
Arthur Young & Co	50.00	14.613 Business Finance II
Datec Pty Ltd	200.00	14.605 Information Systems IIIB
	150.00	Best honours thesis related to information systems design, data management or management science techniques used for commercial applications

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Anatomy		
The Prize in Practical Anatomy	50.00	Practical Anatomy (including Radiological Anatomy) — Year 2 of the medical course
The Gray's Point Prize in Anatomy	50.00	Highest aggregate mark in Year 1 of Anatomy
The Winifred Dickes Rost	30.00	Outstanding merit in Anatomy in Final Year of the Science Course

School of Architecture

Board of Architects of New South Wales	100.00	An outstanding graduand in the School of Architecture
Byrne & Davidson Roll-A-Door	100.00	11.121 History of Architecture I
Chamber of Manufactures of New South Wales	15.00	Subject selected by Head of School
Frank Fox	100.00	11.8511, 11.8521 or 11.8522 Historical Research
James Hardie & Co Pty Ltd	100.00	General proficiency throughout the Bachelor of Architecture degree course
Frank W. Peplow	24.00	Church Architecture
Lindsay Robertson Memorial	100.00	11.512 Landscape Design II
Royal Australian Institute of Architects	100.00	Architectural Design and allied subjects in last two years of Bachelor of Architecture degree course

School of Biological Technology

Mauri Brothers & Thomson (Aust) Pty Ltd	150.00	Best result in the Level II biological technology subject
	150.00	Best result in one of the Level III biological technology subjects
	150.00	Best result in the biological technology honours program

School of Building

Byrne & Davidson Roll-A-Door	100.00	Bachelor of Building degree course, Year 3
James Hardie & Co Pty Ltd	50.00	Bachelor of Building degree course, Year 1
Master Builders' Association of New South Wales	200.00	Merit performance in the Bachelor of Building degree course

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Chemical Engineering		
Abbott Laboratories Pty Ltd	100.00	Bachelor of Engineering degree course in Chemical Engineering — Year 4
Borden Chemical Co (Aust) Pty Ltd	50.00	Best performance in 3.123 Chemical Engineering IIC
Chamber of Manufactures of New South Wales	15.00	Subject selected by Head of School
Esso Australia Ltd	75.00	Best performance in Year 2 Chemical Engineering
Institution of Chemical Engineers	100.00 and medal	Best result for the thesis in the final year, or equivalent part time stage, of the Bachelor of Engineering degree course
The North Shore Gas Co Ltd	40.00	Subject selected by Head of School
The Shell Co of Aust Ltd	100.00	Best performance in Year 3 Chemical Engineering
Simon-Carves Australia	21.00	3.122 Chemical Engineering IIB
Western Mining Corporation Ltd	150.00	Best overall performance in 3.126 Chemical Engineering Laboratory I in the Bachelor of Engineering degree course
	150.00	Best overall performance in 3.134 Chemical Engineering Laboratory II in the Bachelor of Engineering degree course
School of Chemical Technology		
Australian Paper Manufacturers Ltd	21.00	Subject selected by Head of School
Chemical Technology Society	30.00	Bachelor of Science in Industrial Chemistry
	20.00	Bachelor of Science degree course in Industrial Chemistry, Years 1 and 2 or Stages 1 to 4
CSR Limited	50.00	Subject within the discipline of Industrial Chemistry, selected by Head of School
Stauffer Australia Limited	50.00	Subject selected by Head of School
School of Chemistry		
Advanced Analytical Chemistry	100.00	2.013D Advanced Analytical Chemistry
Australian Consolidated Industries Ltd	30.00	} Subject selected by Head of School
Borden Chemical Co (Aust) Pty Ltd	50.00	
Chamber of Manufactures of New South Wales	15.00	
CSR Chemicals Ltd	100.00	
Inglis Hudson Bequest	Advised annually	2.002B Organic Chemistry I

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Chemistry (continued)		
Merck, Sharp & Dohme (Aust) Pty Ltd	52.50	Chemistry — Level II subjects in the Science Course
	52.50	Chemistry — Level III subjects in the Science Course
The Nestlé Co (Aust) Ltd	50.00	} Subject selected by Head of School
UNSW Chemical Society Parke-Pope	20.00	
Tooth & Co Ltd	20.00	
UNSW Chemical Society George Wright	20.00	Subject selected by Head of School

School of Civil Engineering

Australian Conservation Foundation	50.00	Outstanding performance in subjects which develop environmental management concepts
Australian Welding Institute	30.00	Best design using a welding process for students in Years 2, 3 or 4
The Association of Consulting Structural Engineers of New South Wales	100.00	General proficiency — Structures in the Bachelor of Engineering degree course in Civil Engineering
	100.00	General proficiency — Structures in the Bachelor of Science (Engineering) degree course in Civil Engineering
BMI Ltd Systems Engineering	50.00	8.301 Systems Engineering
Chamber of Manufactures of New South Wales	15.00	Subject selected by Head of School
Crawford Munro Memorial	150.00	Highest proficiency in 8.582 Water Resources II taken for the first time
Department of Civil Engineering Materials Staff	50.00	Best aggregate marks in the subjects 8.273 Civil Engineering Materials II and 8.274 Civil Engineering Materials III
Dillingham Australia Pty Ltd	100.00	Academic and professional excellence shown in the field of construction estimating
Harbin Polytechnical Alumni Association	50.00	Subject selected by Head of School
Hornibrook	100.00	Proficiency in Engineering Construction and Management
James Hardie Co Pty Ltd	100.00	Highest proficiency in 8.571 Hydraulics I taken for the first time
Water Board Gold Medal	Medal	Public Health Engineering
Rural Bank of NSW	50.00	Outstanding performance in 8.673 Planning and Management II

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Community Medicine		
2/5 Australian General Hospital Association	150.00	Proficiency in Community Medicine
Australia and New Zealand Society of Occupational Medicine	100.00	Excellence in the Occupational Health option of Community Medicine
Australian Medical Association	100.00	Excellence in a student's period of attachment in general practice
Health Commission of New South Wales	50.00	79.112 Community Medicine
School of Drama		
Fourth Centenary Shakespeare	200.00	Essay on Shakespearean topic
School of Economics		
Australian Finance Conference	50.00	15.083 Public Finance
Brinds Ltd	100.00	15.013 Economics IIIA (Honours) and 15.033 Economics IIIB (Honours)
Economic Society of Australia and New Zealand	20.00 and one year's membership of the Economic Society	Bachelor of Commerce in Economics, Final Year
The Statistical Society of Australia (New South Wales Branch)	50.00	General proficiency throughout the Bachelor of Commerce degree course in Econometrics
School of Electrical Engineering		
Austral Crane	25.00	Bachelor of Engineering Course in Electrical Engineering, Year 3
	25.00	Power or Control elective
Chamber of Manufactures of New South Wales	15.00	Subject selected by Head of School
Electricity Supply Engineers Association of New South Wales	40.00	Overall performance including proficiency in Electric Power Distribution in third year full-time or equivalent part-time course
J. Douglas Maclurcan	30.00 book order	Control Systems
The Wilfred Holmes Memorial Award	120.00	A student eligible to enter the final year of the course and who is deemed to be in necessitous circumstances

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of English		
New South Wales Association of University Women Graduates	20.00	English essays — women students only
School of Food Technology		
Wilfred B. S. Bishop	20.00	General proficiency throughout Bachelor of Science degree course in Food Technology
Department of Fuel Technology		
Australian Institute of Energy	50.00	For a fuel subject or allied course project
The Shell Co of Aust Ltd	100.00	Subject selected by Head of School
School of Health Administration		
Rupert Fanning Memorial	25.00	Bachelor of Health Administration degree course
Anthony Suleau	25.00	16.601 Behavioural Science I
Grace Suleau	25.00	14.023 Accounting for Health Administration
School of History		
The Ritchie Medal for Australian History	Medal	Excellence in Australian history — within the Bachelor of Arts degree course
The Winifred Mitchell Medal	Medal	Highest result in first year History subjects by a mature age student
School of Marketing		
BP Marketing	250.00	27.073 Strategic Marketing and 27.083 Managerial Marketing
Lintas International Advertising	250.00	Bachelor of Commerce degree course in Marketing — general proficiency throughout course
Ken Bentley — awarded by the Market Research Society of Australia (NSW Division)	100.00	28.053 Information Management
Philips Industries Holdings Ltd	100.00	28.012 Marketing Systems

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Mathematics		
ICI Theory of Statistics IV	50.00	Theory of Statistics IV
School of Mathematics	30.00	Excellence in 10.011 Higher Mathematics I
	30.00	Excellence in basic second year Higher Mathematics subjects (10.121A, 10.1213, 10.1214, 10.2211, 10.2212)
	30.00	Excellence in 5 or more Level II Mathematics subjects (Arts: 20 credit points or more)
Head of School's	50.00	Excellence in 5 or more Level II Mathematics subjects (Arts: 20 credit points or more)
The Pure Mathematics	40.00	Excellence in Level III Pure Mathematics subjects
The Applied Mathematics	40.00	Excellence in Level III Applied Mathematics subjects
The Theoretical Mechanics	40.00	Excellence in Level III Theoretical Mechanics subjects
Statistical Society of Australia (New South Wales Branch)	50.00	General proficiency — Theory of Statistics subjects
The Broken Hill Proprietary Theory of Statistics II	50.00	Higher Theory of Statistics II
W. D. & H. O. Wills (Aust) Ltd Theory of Statistics III	50.00	Higher Theory of Statistics III

School of Mechanical and Industrial Engineering

Atlas Copco	75.00	General proficiency in Bachelor of Engineering degree course in Mechanical Engineering
Austral Crane	50.00	Full-time Year 3 Mechanical Engineering
Babcock & Wilcox Aust Ltd	30.00	} Subject selected by Head of School
Chamber of Manufactures of New South Wales	15.00	
CSR Limited	50.00	
Ford Motor Co of Aust Ltd	25.00	
David Carment Memorial	350.00 and medal	Highest proficiency in Final Year of Naval Architecture course
Harbin Polytechnical Alumni Association	50.00	Subject selected by Head of School
Jeremy Hirschhorn	20.00	Theory of Machines
Royal Institution of Naval Architects	40.00	Bachelor of Engineering or Bachelor of Science (Engineering) degree course in Naval Architecture, final year or stage
Staedtler (Pacific) Pty Ltd	50.00 (order)	General proficiency in Bachelor of Engineering degree course in Mechanical Engineering, Year 2

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
Department of Industrial Engineering		
Austral Crane	50.00	Bachelor of Engineering degree course in Industrial Engineering, Year 3
Chamber of Manufactures of New South Wales	15.00	Subject selected by Head of School
R. E. Jefferies Memorial	100.00	Performance in final year/stage of Bachelor of Engineering degree course in Industrial Engineering
TRW Australia Ltd	20.00	Bachelor of Science (Engineering) degree course in Industrial Engineering, Stage 6

School of Medicine

W. G. Telleson Memorial	31.50	80.013 Clinical Studies III
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School of Metallurgy

Alcan Australia Ltd	100.00	} Subject selected by Head of School
Austral Crane	100.00	
Australian Institute of Metals	50.00	
Australian Welding Institute	30.00 book order	
Chamber of Manufactures of New South Wales	15.00	
The Broken Hill Proprietary Co Ltd	50.00	} Best overall performance in Year 3 full-time (or its equivalent part-time) in the Bachelor of Engineering (or Bachelor of Science (Technology)) degree course
The Eagle & Globe Steel Co Ltd	50.00	
The Electrolytic Refining and Smelting Co of Australia Ltd	20.00	
Western Mining Corporation Ltd	150.00	
	150.00	Best overall performance in Year 4 full-time (or its equivalent part-time) in the Bachelor of Engineering (or Bachelor of Science (Technology)) degree course
Zinc Corp Ltd	40.00	Subject selected by Head of School

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Mining Engineering		
Joint Coal Board	100.00	Bachelor of Engineering degree course in Mining Engineering, Year 2
	100.00	Bachelor of Engineering degree course in Mining Engineering, Year 3
	200.00	Bachelor of Engineering degree course in Mining Engineering — general proficiency throughout course
Western Mining Corporation Ltd	75.00	Bachelor of Engineering degree course in Mining Engineering — general proficiency throughout the course
	150.00	Best overall performance in Year 3 of Bachelor of Engineering degree course
	150.00	Best overall performance in Year 4 of Bachelor of Engineering degree course
School of Obstetrics and Gynaecology		
Royal Hospital for Women Senior Medical Staff	50.00	Final written and practical examinations in Obstetrics and Gynaecology
Gordon Lowe Memorial	50.00	Clinical and oral examinations in Obstetrics and Gynaecology
School of Optometry		
Australian Optometrical Association	50.00	} Subject selected by Head of School
Chamber of Manufactures of New South Wales	15.00	
Cocks & Halls	25.00	
Bausch & Lomb Soflens	Diagnostic set of contact lenses	31.841 Clinical Optometry
Contavue	Trial fitting set of contact lenses	Best essay or project on contact lenses
L. G. Darcey Memorial	30.00	31.811 Optometry I
Filmer Sceats Memorial	30.00	31.812 Optometry II
Hoya Australia Pty Ltd	250.00	Highest aggregate academic record in the Optometry degree course
Hydron (Australia) Pty Ltd	25.00	31.813 Optometry III
	25.00	Optometry Year 4
Theo Kannis	250.00	31.841 Clinical Optometry

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Optometry (continued)		
Martin Wells Pty Ltd	150.00	31.821 Special Anatomy and Physiology
	150.00	31.831 Diseases of the Eye
	150.00	Final Year Essay
G. Nissel & Co Aust Pty Ltd	Trial fitting set of contact lenses	31.813 Optometry III and 31.841 Clinical Optometry — Contact Lenses sections
Optical Products Pty Ltd	50.00	} Subject selected by Head of School
Opticians and Optometrists' Association of NSW	40.00	
The Optometric Vision Research Foundation	100.00	Research project
Optyl (Australia) Pty Ltd	100.00	31.812 Optometry II

School of Pathology

G. R. Cameron Memorial	50.00	Excellence in the Pathology component of 80.311 Paraclinical Science
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School of Paediatrics

Carnatlon Award	105.00	Best academic attainment in Paediatrics in the second term of the final year of the medical course
Margaret Dance Memorial Award	100.00	Best academic attainment in Paediatrics in the third term of the final year of the medical course
Margaret Dance Memorial Award	100.00	Best academic attainment in Paediatrics in the fourth term of the final year of the medical course
Mead Johnson Award	100.00	Best academic attainment in Paediatrics in the first term of the final year of the medical course
Paediatrics Staff	100.00	Paediatrics

School of Physics

Institute of Physics	50.00	Highest aggregate marks in three of the Units 1.013, 1.023, 1.033 and 1.043
Head of School's in Physics	30.00	Most creditable Year 4 honours thesis
Physics Staff for Applied Physics	30.00	Highest aggregate marks in two units of the following subjects: 1.133, 1.3033, 1.3133, 1.3233, 1.3333, 1.343 and 1.3533

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Physics (continued)		
Physics Staff for Physics I	50.00	Highest mark in 1.011
Physics Staff for Physics II	50.00	Highest aggregate mark in 1.012, 1.022 and 1.032
Physics Staff for Physics IV Honours	50.00	Highest mark in 1.104, 1.304 or 1.504
Physics Staff for Theoretical Physics	30.00	Highest aggregate marks in 1.513 and 1.523

School of Political Science

Australian Institute of Political Science	50.00 and one year's subscription to the <i>Australian Quarterly</i>	Political Science Year 1
Staff of the School of Political Science	50.00	Best performance in 54.112 Political Science II
The Shell Co of Aust Ltd	100.00	Distinguished performance in the Political Science degree course
The Sydney Morning Herald	100.00	Political Science second year or later

School of Psychiatry

John Kerridge Memorial	50.00	Psychiatry
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School of Psychology

Psychology Staff	10.00	Best Psychology Year 2
Australian Psychological Society	100.00	A Year 4 Psychology subject selected by Head of School

School of Surgery

The Royal Australian College of Ophthalmologists	50.00	Essay on Ophthalmological subject
The Graduation Prize in Surgery	100.00	Surgery — Final Year

School of Surveying

Board of Surveyors Medal	Medal	Bachelor of Surveying degree course, Final Year
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Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Textile Technology		
J. B. Speakman	20.00	Undergraduate thesis
R. J. Webster	100.00	General proficiency throughout the Bachelor of Science degree course in Textile Technology

School of Town Planning

The NSW Planning and Environment Commission	150.00	Bachelor of Town Planning degree course, Year 5
Royal Aust Planning Institute, NSW Division	150.00	Bachelor of Town Planning degree course, Year 3
John Shaw Memorial	100.00	Best result in Thesis in the Bachelor of Town Planning degree course

School of Wool and Pastoral Sciences

Bayer Australia Asuntol Sheep Dip	25.00	General proficiency — Wool and Pastoral Sciences degree course, Year 2 and 3
Parkes Wool Promotion Committee	A shield held in the School of Wool and Pastoral Sciences on which the successful student's name is engraved each year	Bachelor of Science degree course in Wool and Pastoral Sciences, Year 3
Samuel Clive Graham	50.00	Bachelor of Science degree course in Wool and Pastoral Sciences, Year 4 — Thesis
C. R. Lucock	A book or a voucher to the value of 50.00 payable to University Co-op Bookshop Limited	Meat Science
P. R. McMahon Memorial	100.00	Excellence in Wool Science

W. S. and L. B. Robinson University College

Mining Managers Association Broken Hill	70.00	Best overall performance in a complete course
Mining Managers Association	40.00	Three prizes: one for each best pass in any complete stage of the degree courses in, respectively, Mechanical Engineering, Mining Engineering, Science

Graduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
W. S. and L. B. Robinson University College (continued)		
Mining Managers Association	30.00	Seven prizes to be awarded in individual subjects selected by the Director
Western Mining Corporation Limited	150.00	Four prizes to be awarded for best performance in 7.314R Mineral Process Technology 7.313R Mineral Processing 7.214R Mine Economics and Planning 7.224R Operational Management
Broken Hill Women's Auxiliary of the Australasian Institute of Mining and Metallurgy	30.00	Performance by a student who achieves second place in a complete stage of a degree course

Graduate University Prizes

The following table summarizes the graduate prizes awarded by the University.

Faculty of Medicine

Foundation for Research and Treatment of Alcoholism and Drug Dependence of New South Wales	200.00	Essay on a clinical or scientific aspect of alcoholism or a drug of dependence (one prize available to undergraduates and graduates)
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Australian Graduate School of Management

Australian Finance Corporation	50.00	Overall proficiency in 85.132G Finance
Avigdor Ariel	250.00	Overall proficiency in Master of Business Administration degree course by a student over the age of 35 years at time of completion of course
Cecil Hall	70.00	The highest degree of general proficiency in a masters degree course offered by the Australian Graduate School of Management
Graduate Management Association Ltd	200.00	Outstanding performance in 85.715G Corporate Policy or 85.716G Public Policy in Final Year of a masters degree course offered by the Australian Graduate School of Management
John Storey Memorial	50.00	Overall proficiency in Master of Business Administration degree course, Year 2
Pioneer Concrete Service Ltd	150.00	Overall proficiency in 85.101G Accounting Information and 85.132G Finance

Graduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Accountancy		
Arthur Andersen & Co	50.00	14.960G Corporate Organization and Strategy
School of Biological Technology		
Mauri Brothers & Thomson (Aust) Pty Limited	150.00	Best overall performance in the Master of Science (Biotechnology) degree course
School of Building		
Alex Rigby	105.00	Master of Science (Building) — Distinguished graduate
School of Chemical Engineering		
The Clean Air Society of Australia and New Zealand	100.00	3.381G Atmospheric Pollution and Control, or a subject of an equivalent nature, taken by students in graduate courses in the School of Chemical Engineering
School of Chemistry		
Smith, Kline and French	50.00	Best performance in the Graduate Diploma in Food and Drug Analysis degree course
School of Education		
New South Wales Institute for Educational Research	25.00	General proficiency in educational research
New South Wales Department of Education	90.00	Outstanding ability in both academic studies and practice teaching
School of Health Administration		
2/5 Australian General Hospital Association	150.00	General proficiency in Master of Health Administration or Master of Health Planning degree courses
School of Optometry		
Hydron Contact Lens	A trial fitting set of contact lens	31.705G Advanced Contact Lens Theory and Practice
Theo Kannis	250.00	31.701G Advanced Clinical Optometry
School of Transport and Highways		
Veteran Motorists of Australia	20.00	Traffic Planning and Control
Wabco Aust Pty Ltd	400.00	Most distinguished graduate in the Master of Engineering Science in Highway Engineering

Rules and Procedures

The University, in common with other large organizations, has established rules and procedures which are designed for the benefit of all members of the University. In some cases there are penalties (eg fines or exclusion from examinations) for non-compliance. Therefore, any student who after reading the rules carefully requires further information on their application should contact the Admissions Office or the Registrar.

General Conduct

The University has not considered it necessary to formulate a detailed code of rules relating to the general conduct of students. Enrolment as a student of the University, however, involves an undertaking to observe the regulations, by-laws and rules of the University, and to pay due regard to any instructions given by any officer of the University.

Appeals

Section 5(c) of Chapter III of the By-laws provides that 'Any person affected by a decision of any member of the Professorial Board (other than the Vice-Chancellor) in respect of breach of discipline or misconduct may appeal to the Vice-Chancellor, and in the case of disciplinary action by the Vice-Chancellor, whether on appeal or otherwise, to the Council'.

Admissions Office

The Admissions Office, located in the Chancellery on the upper campus, provides information for students on admission requirements, undergraduate and graduate courses and enrolment procedures. Faculty handbooks and the Calendar may be purchased here. The Admissions Office is open from 9 am to 5 pm Monday to Friday. During enrolment the office is also open for some part of the evening.

The office provides information about special admission, admission with advanced standing and admission on overseas qualifications. The Office also receives applications from students who wish to transfer from one course to another, resume their studies after an absence of twelve months or more, or seek any concession in relation to a course in which they are enrolled. It is essential that the closing dates for lodgement of applications are adhered to. For further details see the section on **Undergraduate and Graduate Enrolment Procedures and Fees**.

Applications for admission to undergraduate courses from students who do not satisfy the requirements for admission (see section on Requirements for Admission) are referred by the Admissions Office to the Admissions Committee of the Professorial Board.

Students seeking to register as higher degree candidates should first consult the Head of the School in which they wish to register. An application is then lodged on a standard form and the Admissions Office, after obtaining a recommendation from the Head of School, refers the application to the appropriate Faculty or Board of Studies Higher Degree Committee.

Details of the procedure to be followed by students seeking entry to first year undergraduate degree courses at the University may be obtained from the Admissions Office or the Universities and Colleges Admissions Centre.

An Adviser for Prospective Students, Mrs Fay Lindsay, is located in the Chancellery, and is available for personal interview with those who require additional information about the University.

First Year Entry

Those seeking entry to first year courses in one or more of the three universities in the Sydney Metropolitan area (Macquarie University, the University of New South Wales and the University of Sydney) are required to lodge a single application form with the Universities and Colleges Admissions Centre, Challis House, 10 Martin Place, Sydney 2000 (GPO Box 7049, Sydney 2001). On the application form provision is made for applicants to indicate preferences for courses available in any one of the three Universities and eighteen other tertiary institutions. Students are notified individually of the result of their applications and provided with information regarding the procedures to be followed in order to accept the offer of a place at this University. Enrolment is completed at the Enrolment Bureau, Unisearch House, 221 Anzac Parade, Kensington.

Deferment of First Year Enrolment

Students proceeding directly from school to University who have received an offer of a place may request deferment of enrolment for one year and will usually receive permission providing they do not enrol at another tertiary institution in that year.

Admission Requirements

A candidate for any degree of Bachelor of the University must have qualified for matriculation.

In addition, candidates must be selected before being permitted to enrol in a course. In 1980 it may be necessary for the University to limit the number of students enrolling in all undergraduate courses.

Special assistance for Aboriginal students

The University may admit suitably qualified persons of Aboriginal descent outside of any quota restrictions.

Upon receipt of an application under this provision, the University will assess the applicant's potential to cope with University studies, and will arrange advice about the choice of a course and subsequent career opportunities.

All enquiries relating to this scheme should be directed to the Deputy Registrar (Student Services), Room 148A, the Chancellery.

Matriculated student

A candidate who has satisfied the conditions for matriculation and for admission to a course of study shall be classed as a 'matriculated student of the University', after enrolment.

A person who has satisfactorily met the conditions for admission may be provided with a statement to that effect.

Subjects approved by the Professorial Board:

Agriculture	Italian
Ancient History	Japanese
Art	Latin
Chinese	Latvian
Classical Greek	Lithuanian
Czech	Mathematics
Dutch	Modern Greek
Economics	Modern History
English	Music
Farm Mechanics†	Polish
Food and Textile Science†	Russian
French	Science
General Studies	Serbo-Croatian
Geography	Sheep Husbandry and Wool
German	Technology†
Hebrew	Slovenian
Home Science†	Spanish
Hungarian	Textiles and Design†
Indonesian	Turkish
Industrial Arts	Ukrainian

†Only one of these subjects may be counted for matriculation and selection purposes.

Admission to a Course

Admission to all courses is subject to selection on the basis of the matriculation aggregate.

Matriculation and Admission Requirements for Entry in 1980 and 1981

Bachelor Degree Courses

Requirements for Entry in 1980 in terms of the NSW Higher School Certificate Examination

Matriculation

Matriculation is the minimum educational qualification necessary for entry to a bachelor degree course in the University **but it does not** ensure admission to a course.

For students who are candidates for the New South Wales Higher School Certificate examination in 1979:

To **matriculate** to the University of New South Wales an applicant shall:

1. have sat at least four approved subjects including English at the Higher School Certificate Examination;
2. have achieved a minimum aggregate of marks in the best ten units in approved subjects, equivalent to the aggregate attained or bettered by 58 percent of the School candidates at the Higher School Certificate examination provided that not more than two units from 2 Unit A and 1 Unit courses may be counted. English 2 Unit A, Economics 2 Unit A and Science 2 Unit A are regarded as equivalent to 2 Unit courses for matriculation purposes.

Students who Complete Three Unit or Four Unit Courses

Special consideration may be given to students who do not meet the matriculation or selection requirements set out above but who have completed one or more 3 unit or 4 unit courses.

Prerequisite Requirements for University Subjects

Before students may enrol in a number of first year subjects they are required to have achieved in the Higher School Certificate examination a certain grade in specific Higher School Certificate courses.

Schedule A sets out the University courses which have compulsory first year subjects for which a certain grade in specified Higher School Certificate courses is required before the student is permitted to enrol.

Schedule B lists the University subjects which have Higher School Certificate Examination courses as prerequisites and specifies the percentile range which is required for enrolment. Note that for certain University subjects an alternative subject is available for students who lack the prerequisite.

Schedule A

A student who is proposing to enter a particular degree course should refer to **Schedule A**, note the compulsory subjects which have Higher School Certificate examination prerequisites, and refer to **Schedule B** to ascertain the prerequisites for those subjects.

Course	Full-Time or Part-Time	Subject Identifying Number
Architecture	FT or PT	Not applicable
Accounting, Finance and Systems	FT or PT	14.522, 14.542, 15.411 or 10.001
Arts	FT	Not applicable
Arts/Education	FT	Not applicable
Building	FT	Not applicable
Ceramics	PT	1.001, 2.121, 5.010, 10.001
Chemistry—Industrial	FT or PT	1.001, 2.121, 10.001, 5.010 or 25.110 or 17.031
Chemistry—Pure and Applied	FT or PT	1.001, 2.121, 10.001 or 10.021B, 5.010 or 25.110 or 25.151 or 17.031
Economics	FT or PT	15.002, 15.042, 15.411 or 10.001
Economics/Education	FT	15.002, 15.042, 15.411 or 10.001
Econometrics	FT or PT	15.411 or 10.001
Economics and Econometrics	FT or PT	15.012, 15.052, 15.411 or 10.001
Economic History	FT or PT	15.411 or 10.001
Economic History/Education	FT	15.411 or 10.001
Engineering—Aeronautical	FT or PT	1.951, 5.010, 10.001
Engineering—Ceramic	FT	1.001, 2.121, 5.010, 10.001
Engineering—Chemical	FT or PT	1.001, 2.121, 5.010, 10.001
Engineering—Civil	FT or PT	1.981, 2.981, 5.010, 10.001
Engineering—Electrical	FT or PT	1.961, 2.121, 5.010, 10.001
Engineering—Industrial	FT or PT	1.951, 5.010, 10.001
Engineering—Mechanical	FT or PT	1.951, 5.010, 10.001
Engineering—Metallurgical Process	FT	1.001, 2.121, 10.001, 5.010
Engineering—Mining	FT	1.001, 2.121, 5.010, 10.001
Engineering—Mining (Broken Hill only)	PT	1.001, 2.121, 5.010, 10.001
Food Technology	FT or PT	1.001, 2.121, 10.001 or 10.021B, 17.031
Geography—Applied		
Applied Economic Geography Option	FT	10.001 or 10.021B, 15.002, 15.042, 27.611
Biogeography and Bioclimatology Option	FT	1.001, 2.121, 10.001 or 10.021B, 17.031, 27.111
Geomorphology and Pedology Option	FT	1.001, 2.121, 10.001 or 10.021B, 25.110, 27.111

Course	Full-Time or Part-Time	Subject Identifying Number
Geology—Applied	FT	1.001, 2.121, 10.001, 25.110
Health Administration	FT or PT(Ext.)	Not applicable
Industrial Arts (Education)	FT	1.001, 2.121, 5.010
Industrial Relations	FT or PT	15.411 or 10.001
Jurisprudence	FT	Not applicable
Landscape Architecture	FT	Not applicable
Law*	FT or PT	Not applicable
Law/Arts	FT	Not applicable
Law/Commerce (Accounting, Finance and Systems)	FT	14.522, 14.542, 15.411 or 10.001
Law/Commerce (Economics)	FT	15.002, 15.042, 15.411 or 10.001
Law/Commerce (Industrial Relations)	FT	15.411 or 10.001
Law/Commerce (Marketing)	FT	15.411 or 10.001
Law/Jurisprudence	FT	Not applicable
Law/Science	FT	10.001 or 10.021B
Marketing	FT or PT	15.411 or 10.001
Mathematics (Education)	FT	10.001 or 10.011
Medicine	FT	2.011
Metallurgy	FT or PT	1.001, 2.121, 10.001, 5.010 or 25.110
Mineral Processing (Broken Hill only)	PT	1.001, 2.121, 5.010, 10.001
Naval Architecture	FT or PT	1.951, 5.010, 10.001
Optometry	FT	1.001, 2.121, 10.001 or 10.021B, 17.031
Psychology	FT	10.001 or 10.021B or 17.031
Science and Mathematics	FT or PT	10.001 or 10.021B
Science (Education)	FT	1.001, 2.121, 10.001 or 10.021B, 17.031, 25.110
Social Work	FT	Not applicable
Surveying	FT or PT	1.971, 10.001
Textile Technology	FT	1.001, 2.121, 5.010, 10.001
Town Planning	FT	Not applicable
Wool and Pastoral Sciences	FT	2.121, 10.001 or 10.021B, 1.001 or 27.111
Education Option	FT	1.001, 2.121, 10.001 or 10.021B

*Entry to full-time course restricted to graduates and part-time course to graduates or to persons 25 years of age or older.

Note: The University's Faculty of Military Studies provides degree courses in Arts, Engineering and Science at the Royal Military College, Duntroon. These courses may have different prerequisite requirements from those operating for similar courses in the rest of the University. Full details may be obtained from the Registrar or from the College.

Schedule B

A student who is proposing to enter a particular degree course should refer to **Schedule A**, note the compulsory subjects which have Higher School Certificate examination prerequisites, and refer to **Schedule B** to ascertain the prerequisites for those subjects.

University Subject	Prerequisite	Percentile Range Required
1.011 Higher Physics I	2 unit Mathematics or	71-100
1.001 Physics I*	3 unit Mathematics or	21-100
1.951 Physics I* (Mech. Eng.)	4 unit Mathematics	1-100
1.961 Physics I* (Elec. Eng.)	and 2 unit Science (Physics or Chem.) or	31-100
1.971 Physics I* (Surveying)	4 unit Science (multistrand)	31-100
1.981 Physics I* (Civil Eng.)		
2.011 Chemistry for Medical Students	2 unit Science (Chemistry)	31-100
	4 unit Science (multistrand)	31-100
2.121 Chemistry IA*	2 unit Science (any strands) or	31-100
	4 unit Science (multistrand)	31-100
2.981 Chemistry I(CE)*	2 unit Science (Physics or Chem.)	31-100
	4 unit Science (multistrand)	31-100
5.010 Engineering A\$	Either 2 unit Science (Physics) or 4 unit Science (multistrand)	31-100 11-100
	or 2 unit Industrial Arts or 3 unit Industrial Arts	31-100 11-100
10.011 Higher Mathematics I	3 unit Mathematics or 4 unit Mathematics	71-100 11-100
10.001 Mathematics I**	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	71-100 21-100 1-100
10.021B General Mathematics IB**	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	51-100 11-100 1-100
14.522 Acctg. and Fin. Man. IIA	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	51-100 21-100 1-100
14.532 Acctg. and Fin. Man. IIA (Hons)		
14.542 Acctg. and Fin. Man. IIB		
14.552 Acctg. and Fin. Man. IIB (Hons)		

University Subject	Prerequisite	Percentile Range Required
15.002 Microeconomics II	2 unit Mathematics or 3 unit Mathematics or	51-100 21-100
15.012 Microeconomics II (Hons)	4 unit Mathematics	1-100
15.042 Macroeconomics II		
15.052 Macroeconomics II (Hons)		
15.273 Economics IIIE		
15.411 Quant. Methods IA		
17.031 Cell Biology	2 unit Science (any strand) or 4 unit Science (multistrand)	31-100 31-100
25.110 Earth Materials and Processes	2 unit Science (any strand) or 4 unit Science (multistrand)	31-100 31-100
27.111 Applied Physical Geography I	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics and 2 unit Geography or 3 unit Geography or 2 unit Science (any strand) or 4 unit Science (multistrand)	51-100 11-100 1-100 71-100 31-100 31-100 31-100
27.611 Applied Economic Geography I	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics and 2 unit Geography or 3 unit Geography or 2 unit Economics or 3 unit Economics	51-100 11-100 1-100 71-100 31-100 71-100 31-100
50.511 English IA	2 unit English or	31-100
50.521 English IB	3 unit English	31-100
56.511 Contemporary French Lang., Lit. and Civilization***	2 unit Z French or 2 unit French or 3 unit French	91-100 31-100 11-100
56.521 French Language***		
59.511 Russian IB***	2 unit Russian or 3 unit Russian	31-100 31-100

Schedule B (continued)

University Subject	Prerequisite	Percentile Range Required
64.511 German IB***	2 unit A German or	71-100
64.521 German IC***	2 unit German or 3 unit German	31-100 11-100
64.1001 Introductory German B	2 unit German or 3 unit German or 2 unit A German or 2 unit Z German	31-50 31-50 31-80 31-90
65.110 Spanish & Latin American Studies IB***	2 unit Spanish or 3 unit Spanish	31-100 11-100
65.120 Spanish & Latin American Studies IC***	2 unit A Spanish	71-100

*Students may also meet the prerequisites for this subject by taking a special subject as part of their first year program.

**Students may also meet the prerequisites for this subject by either completing an intensive conversion course in January or February 1980, or taking a special subject as part of their first year program.

***Introductory courses in languages are available for students who do not have the HSC prerequisite.

§Students who wish to enrol in this subject in courses other than the full-time courses in Aeronautical Engineering, Civil Engineering, Industrial Engineering, Mechanical Engineering and Naval Architecture can make up for the lack of the prerequisite by work taken in Physics in the first half of first year.

Supplementary Provisions for Matriculation

1. Notwithstanding the provisions of Section A above, candidates may be accepted as 'matriculated students' of the University under the following conditions subject to the approval of the Professorial Board:

(1) Any person who holds a diploma from the New South Wales Department of Technical Education, or any other Technical College which may from time to time be recognized by the University, may be admitted to the University as a 'matriculated student' with such status as the Board may determine, provided that, in the opinion of the Board, the applicant's qualifications are sufficient for matriculation to the Faculty nominated.

(2) The Board may admit as a 'matriculated student' in any Faculty with such status as the Board may determine in the circumstances:

(a) A graduate of any approved university.

(b) An applicant who presents a certificate from a University showing that he has a satisfactory record and is qualified for entrance to that university, provided that in the opinion of the Board there is an acceptable correspondence between the qualifying conditions relied upon by the applicant and conditions laid down for matriculation to the nominated Faculty of the University of New South Wales.

(3) (a) Any person who, not being a student in the Faculty of Military Studies of the University, completed the first year of a course at the Royal Military College of Australia and submits a certificate from the Registrar of the College to that effect may be admitted as a 'matriculated student' of the University.

(b) Any person who, not being a student in the Faculty of Military Studies of the University completed at least three years of a course of prescribed study at the Royal Military College of Australia and submits a certificate from the Registrar of the College to that effect may be admitted as a 'matriculated student' of the University with such status as the Board may determine.

(4) Any person who has completed satisfactorily the passing out examination of the Royal Australian Naval College and submits a certificate from the Commanding Officer may be admitted as a 'matriculated student' of the University.

(5) (a) Any person who has completed the first year of the course at the Royal Australian Air Force College and submits a certificate from the Commandant to that effect, may be admitted as a 'matriculated student' of the University.

(b) Any person who has completed two years of the course at the Royal Australian Air Force College and submits a certificate from the Commandant to that effect, may be admitted as a 'matriculated student' of the University with such status as the Board may determine.

(6) An applicant who presents a certificate from another university showing that he is qualified for entrance to that university and setting out the grounds of such qualification, provided that in the opinion of the Professorial Board there is an acceptable correspondence between the qualifying conditions relied upon by the applicant and the conditions laid down for matriculation to the nominated Faculty of the University of New South Wales.

2. (1) The Professorial Board may in special cases, including cases concerning persons of other than Australian education, declare any person qualified to enter a Faculty although he has not complied with the requirements set out above, and in so doing may prescribe the completion of certain requirements before confirming the person's standing as a 'matriculated student'. Students who satisfactorily complete these requirements will be permitted to count the courses so passed as qualifying for degree purposes.

(2) Persons over the age of twenty-five years may be admitted to matriculation status provided that:

(a) they have satisfactorily completed an approved course of systematic study extending over at least three years after passing the School Certificate Examination, or

(b) they satisfy the Professorial Board that they have reached a standard of education sufficient to enable them profitably to pursue the first year of the proposed course.

(3) Any applicant for matriculation status may be required to take such examination as the Professorial Board may prescribe before such status is granted.

Special Mature Age Unmatriculated Admission Scheme

Recognizing that many people of mature age have the ability but have lacked opportunity to carry their formal education as far as they may have wished, the University conducts a special scheme allowing the admission each year of a number of persons aged 25 or over and who have no academic attainments on which matriculation might be based.

The scheme entails attending a meeting in June of the year preceding that in which admission is to be sought at which intending applicants are provided with information about the range, nature and availability of courses offered and are given an opportunity to discuss their plans with staff members and currently enrolled older students. Any person who attends the meeting and is interested in proceeding with an application must then submit by a specified date an application together with an assignment on a stipulated subject.

Those persons whose applications and assignments meet selection criteria are invited to attend a one-day program of lectures and tutorials on a nominated topical subject, and are required to sit for a one-hour examination on the topic at the end of the day. Final selection is made on the grading of this examination and offers of places in courses at the University are made in writing.

Information about the special scheme and the initial meeting dates for applicants seeking a place in 1981 can be obtained by contacting the Admissions Office of the University.

Miscellaneous Subject Enrolment

3. The Professorial Board may at its discretion permit a person, who does not satisfy the requirements for admission, to attend lectures in a subject or subjects at the University, on payment of the prescribed fees provided that such person shall not necessarily have the privileges of 'matriculated students' and shall not be eligible to proceed to a degree.

Requirements for Entry in 1981 in terms of the NSW Higher School Certificate Examination

At the time of publication the requirements for matriculation and admission in 1981 are the same as those for 1980 except for the following additions to **Schedule A** and **Schedule B**:

Schedule A

Course	Full-Time or Part-Time	Subject Identifying Number
Accounting, Finance and Systems	FT or PT	14.522, 15.001, 15.601, 14.542, 15.411 or 14.601, 10.001, 15.601
Economics	FT or PT	15.001, 15.002, 15.022, 15.042, 15.411 or 15.601, 10.001, 15.601
Econometrics	FT or PT	15.001, 15.411 or 15.601, 10.001, 15.601
Economics and Econometrics	FT or PT	15.001, 15.012, 15.411 or 15.052, 10.001, 15.601
Economic History	FT or PT	15.001, 15.411 or 15.601, 10.001, 15.601
Economic History (Education)	FT or PT	15.001, 15.002, 15.022, 15.042, 15.411 or 15.601, 10.001, 15.601
Industrial Relations	FT or PT	15.001, 15.411 or 15.511, 15.601, 10.001, 15.601
Law/Commerce (Accounting, Finance and Systems)	FT	14.522, 14.542, 15.001, 15.411 or 10.001
Law/Commerce (Economics)	FT	15.002, 15.022, 15.001, 15.411 or 15.042, 10.001
Law/Commerce (Industrial Relations)	FT	15.001, 15.411 or 15.511, 10.001, 15.601
Law/Commerce (Marketing)	FT	15.001, 15.411 or 10.001
Marketing	FT or PT	14.601, 15.001, 15.411 or 10.001, 15.601

Schedule B

University Subject	Prerequisite Course at HSC examination	Percentile Range Required
8.170 Statics	2 Unit Science (Physics) or 4 unit Science (multistrand) or 2 unit Industrial Arts or 3 unit Industrial Arts	31-100 11-100 31-100 11-100
14.601 Law in Society	2 unit A English or	31-100
15.001 Microeconomics I	2 unit English or 3 unit English	21-100 11-100
15.511 Industrial Relations/IA		
15.601 Economic History/IA		
15.701 Economic History/IA (Arts)		

Enrolment Procedures and Fees Schedules 1980

1. Introduction

All students, except those enrolling in graduate research degree courses (see sections 5. and 6. below), must lodge an authorized enrolment form with the Cashier on the day the enrolling officer signs the form or on the day their General Studies electives are approved if the course requires this.

All students, except those enrolling in graduate research degree courses and those exempted as set out in section 17. below, should on that day also either pay the required fees or lodge an enrolment voucher or other appropriate authority.

Such vouchers and authorities are generally issued by the NSW Department of Education and the NSW Public Service. They are not always issued in time and students who expect to receive an enrolment voucher or other appropriate authority but have not done so must pay the fees and arrange a refund later. Such vouchers and authorities are not the responsibility of the University and their late receipt is not to be assumed as automatically exempting a student from the requirements of enrolling and paying fees.

If a student is unable to pay the fees the enrolment form must still be lodged with the Cashier and the student will be issued with a 'nil' receipt. The student is then indebted to the University and must pay the fees by the end of the second week of the session for which enrolment is being effected. Penalties apply if fees are paid after that time (see 16. below) unless the student has obtained from the office of the Deputy Registrar (Student Services) (Room 148E, the Chancellery) an extension of time in which to pay fees. Such an application must be made before the fee is due. Payment may be made through the mail, in which case it is important that the student registration number be given accurately. Cash should not be sent through the mail.

2. New Undergraduate Enrolments

Persons who are applying for entry in 1980 must lodge an application for selection with the Universities and Colleges Admissions Centre, GPO Box 7049, Sydney 2001, by 1 October 1979.

Those who are selected will be required to complete enrolment at a specified time before the start of Session 1. Compulsory fees should be paid on the day.

In special circumstances, however, and provided class places are still available, students may be allowed to complete enrolment after the prescribed time.

Application forms and details of the application procedures may be obtained from the Admissions Office.

3. Re-enrolment

Students who are continuing courses (or returning after approved leave of absence) should enrol through the appropriate School in accordance with the procedures set out in the current *Enrolment Procedures* booklet, available from the Admissions Office and from School offices. Those who have completed part of a course and have been absent without leave need to apply for entry through the Universities and Colleges Admissions Centre, GPO Box 7049, Sydney 2001, by 1 October 1979.

4. Restrictions Upon Re-enrolling

Students who in 1979 were enrolled for the first time in any undergraduate course in the University and who failed more than half their program in that year; students who have failed more than once a subject prescribed as part of their course; and students required by the Re-enrolment Committee to show cause — all such students should not attempt to re-enrol but should follow the written instructions they will receive from the Registrar. For the purpose of calculating a student's program all subjects taken during the year, including repeat subjects, are counted.

5. New Research Students

Students enrolling for the first time in graduate research degree courses will receive an enrolment form by post. They have two weeks from the date of offer of registration in which to lodge the enrolment form with the Cashier and pay the appropriate fees. Completion of enrolment after this time will incur a penalty (see section 16. below).

6. Re-enrolling Research Students

Students re-enrolling in research degree courses should lodge the enrolment form with the Cashier as soon as possible but no later than the end of the second week of Session 1. Completion of enrolment after this date will incur a penalty (see section 16. below).

7. Submission of Graduate Thesis or Project Report at Commencement of Session 1

Graduate students who at the commencement of Session 1 have completed all the work for a degree or diploma except for the submission of the relevant thesis or project report are required to re-enrol by the end of the second week of Session 1. Completion of enrolment after then will incur a penalty (see section 16. below). Such students may be exempted from fees (see section 17. (10) below).

8. Enrolments by Miscellaneous Students

Suitably qualified persons may be permitted to enrol in particular subjects as miscellaneous students — ie as students not proceeding to a degree or diploma — provided that, in every case, the head of the school offering the subject considers that the student will benefit from the enrolment and provided also that accommodation is available. Only in exceptional cases will a student who has completed a subject as a miscellaneous student be permitted to count that subject towards a degree or diploma. A student who is under exclusion from any course may not be enrolled as a miscellaneous student in a subject forming part of the course from which the student is excluded.

9. Final Dates for Completion of Enrolment

No enrolments for courses extending over the whole year or for Session 1 only will be accepted from new students after the end of the second week of Session 1 (14 March 1980) except with the express approval of the Deputy Registrar (Student Services) and the Heads of the Schools concerned; no later year enrolments for courses extending over the whole year or for Session 1 only will be accepted after the end of the fourth week of Session 1 (28 March 1980) except with the express approval of the Deputy Registrar (Student Services) and the Heads of Schools concerned. No enrolments for courses in Session 2 only will be accepted after the end of the second week of Session 2 (1 August 1980) except with the express approval of the Deputy Registrar (Student Services) and the Heads of Schools concerned.

10. University of New South Wales and University Union Membership Card

All students enrolled in degree or diploma courses or as miscellaneous students, except those exempt from fees under provisions of section 17. below, are issued with a University of New South Wales and University Union Membership Card. This card must be carried during attendance at the University and shown on official request.

The number appearing on the front of the card above the student's name is the student registration number used in the University's records. This number should be quoted in all correspondence.

The card must be presented when borrowing from the University libraries, when applying for travel concessions, and when notifying a change of address. It must also be presented when paying fees on re-enrolment each year when it will be made valid for the year and returned. Failure to present the card could result in inconvenience in completing re-enrolment.

Life members of the University Union and those exempt from payment of University Union fees, if enrolled in degree or diploma courses or in miscellaneous subjects, use the University's fees receipt in place of the card when borrowing from the Libraries, etc.

A student who loses a card must notify the University Union as soon as possible.

New students will be issued with cards on enrolment if eligible.

11. Payment of fees

There are no fees for tuition but other fees and charges are payable. These include those charges raised to finance the expenses incurred in operating activities such as the University Union, the Students' Union, the Sports Association, and the Physical Education and Recreation Centre. Penalty payments are also incurred if a student fails to complete procedures as required. Charges may also be payable, sometimes in the form of a deposit, for the hiring of kits of equipment which are lent to students for their personal use during attendance in certain subjects. Accommodation charges, costs of subsistence on excursions, field work, etc, and for hospital residence (medical students) are payable in appropriate circumstances.

12. Assisted students

Scholarship holders and sponsored students who have not received an enrolment voucher or appropriate letter of authority from their sponsor at the time when they are enrolling should complete their enrolment by paying their own fees.

A refund of fees will be made when the enrolment voucher or letter of authority is subsequently lodged with the Cashier.

Those unable to pay their own fees in these circumstances can apply to the office of the Deputy Registrar (Student Services) (Room 148E, the Chancellery) for an extension of time in which to pay. Such an application must be made before the fee is due.

13. Extension of time

Any student who is unable to pay fees by the due date may apply to the Deputy Registrar (Student Services) for an extension of time, which may be granted in extenuating circumstances. Such applications must be made before the due date.

14. Failure to pay fees and other debts

Any student who fails to pay prescribed fees or charges or is otherwise indebted to the University and who fails either to make a satisfactory settlement of his indebtedness upon receipt of due notice or to receive a special exemption ceases to be entitled to the use of University facilities. Such a student is not permitted to register for a further session, to attend classes or examinations, or to be granted any official credentials. In the case of a student enrolled for Session 1 only or for both Sessions 1 and 2 this disbarment applies if any portion of fees is

outstanding after the end of the eighth week of Session 1 (25 April 1980). In the case of a student enrolled for Session 2 only this disbarment applies if any portion of fees is outstanding after the end of the sixth week of Session 2 (29 August 1980).

In special cases the Registrar may grant exemption from the disqualification referred to in the preceding paragraph upon receipt of a written statement setting out all relevant circumstances.

15. Student fees

Fees and penalties quoted are current at the time of publication but may be amended by the University Council without notice.

All students (with the exceptions set out in section 17, below) will be required to pay the following fees if enrolling for a program involving two sessions. Those enrolling for only one session will pay one half of the Student Activities Fees, but the full University Union entrance fee, if applicable.

University Union Entrance Fee

Payable on first enrolment	\$25
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Student Activities Fees

University Union, annual subscription	\$55
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Sports Association, annual subscription	\$11
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Students' Union Annual Subscription

Students enrolling in full-time courses	\$17
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Students enrolling in part-time courses and miscellaneous subjects	\$13
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Miscellaneous Fund, annual fee	\$25
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This fee is used to finance expenses generally of a capital nature relating to student activities and amenities. Funds are allocated for projects recommended by the Student Affairs Committee and approved by the University Council.

Special Examination Fees

Examinations conducted in special circumstances, for each subject	\$11
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Review of examination results, for each subject	\$11
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Other Fees

Depending on the subject being taken, students may also be required to pay:

Pathology Instrument Kit (Refundable on return in satisfactory condition)	\$10
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16. Penalties

(1) Failure to lodge enrolment form according to enrolment procedure	\$20
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(2) Payment of fees after end of second week of session	\$20
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(3) Payment of fees after end of fourth week of session	\$40
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Penalties (1) and (2) or (1) and (3) may accumulate.

17. Exemptions

(1) Life members of University Union, Sports Association, and Students' Union are exempt from the relevant fee or fees.

(2) Students enrolled in courses classified as *External* are exempt from all Student Activities Fees and the University Union entrance fee.

(3) Students enrolled in courses at the W.S. and L.B. Robinson University College and in the Faculty of Military Studies are exempt from the fees in section 15, above but shall pay such other fees and charges as the Council may from time to time determine.

(4) University Union fees and subscriptions may be waived by the Deputy Registrar (Student Services) for students enrolled in graduate courses in which the formal academic requirements are undertaken at a part of the University away from the Kensington campus.

(5) Students who while enrolled at and attending another university (or other tertiary institution as approved by the Vice-Chancellor) in a degree or diploma course are given approval to enrol at the University of New South Wales but only as miscellaneous students or subjects to be credited towards the degrees or diplomas for which they are enrolled elsewhere are exempt from all Student Activities Fees and the University Union Entrance Fee.

(6) Undergraduate students of a recognized university outside Australia who attend the University of New South Wales with the permission of the Dean of the appropriate faculty and of the Head of the appropriate school or department to take part as miscellaneous students in an academic program relevant to their regular studies and approved by the authorities of their own institution are exempt from all Student Activities Fees and the University Union Entrance Fee.

(7) Graduate students not in attendance at the University and who are enrolling in a project only, other than for the first time, are exempt from all Student Activities Fees.

(8) Graduate students resubmitting a thesis or project only are exempt from all Student Activities Fees.

(9) All Student Activities Fees, for one or more sessions, may be waived by the Deputy Registrar (Student Services) for graduate students who are given formal permission to pursue their studies at another institution for one or more sessions.

(10) Graduate students who have completed all the work for a qualification at the commencement of Session 1, except for the submission of the relevant thesis or project report, may be exempted from the payment of Student Activities Fees by the Deputy Registrar (Student Services) on production of an appropriate statement signed by the relevant Supervisor or Head of School.

18. Variations in Enrolment (including Withdrawal)

(1) Students wishing to vary an enrolment program must make application on the form available from the appropriate Course Authority.

(2) Students withdrawing from courses (and see also information about withdrawal from subjects below) are required to notify the Registrar in writing. In some cases such students will be entitled to fee refunds (see below).

(3) Enrolment in additional subjects

Applications for enrolment in additional subjects must be submitted by:

28 March 1980 for Session 1 only and whole year subjects

15 August 1980 for Session 2 only subjects

(4) Withdrawal from subjects

Applications to withdraw from subjects may be submitted throughout the year but applications lodged after the following dates will result in students being regarded as having failed the subjects concerned, except in special circumstances:

(a) for one session subjects, the end of the seventh week of that session (18 April or 5 September)

(b) for whole year subjects the end of the second week of Session 2 (1 August)

(5) Withdrawal from Course — Refunds

Whether or not a student's withdrawal entails academic penalties (covered in item (4) above) there are rules governing possible fee refunds in the case of complete withdrawal from a course, as follows:

(a) If notice of withdrawal from a course is received by the Registrar before the first day of Session 1, a refund of all fees paid will be made

(b) If notice of withdrawal is received on or after the first day of Session 1:

(i) a partial refund of the University Union Entrance Fee will be made on the following basis: any person who has paid the entrance fee in any year and who withdraws from membership of the University Union after the commencement of Session 1 in the same year, or who does not renew his membership in the immediately succeeding year, may on written application to the Warden receive a refund of half the entrance fee paid.

(ii) if the notice of withdrawal is given before the end of the fourth week of Session 1 (28 March 1980) a full refund of other Student Activities Fees paid will be made; if notice is given before the end of the eighth week of Session 1 (25 April 1980) a refund of one half of the other Student Activities Fees paid will be made; thereafter no refund will be made except that provided for in (iii) below.

(iii) if a student's initial enrolment in any year is made at the commencement of Session 2 for Session 2 only and the student gives notice of withdrawal prior to the end

of the fourth week of Session 2 (15 August 1980) a full refund of Student Activities Fees paid (other than the University Union Entrance Fee for which see item (i) above) will be made; if notice is given before the end of the eighth week of Session 2 (12 September 1980) a refund of one half of the other Student Activities Fees paid will be made; thereafter no refund will be made.

(iv) The refunds mentioned in (ii) and (iii) above may be granted by the Deputy Registrar (Student Services) to a student unable to notify the Registrar in writing by the times required provided evidence is supplied that the student had ceased attendance by those times.

(6) Acknowledgements

The Registrar will acknowledge each application for a variation in enrolment (including withdrawals) as follows:

(a) variations lodged before 18 April will be incorporated in the *Confirmation of Enrolment Program* notice forwarded to students on 28 April 1980.

(b) variations lodged after 18 April will be acknowledged by letter.

(7) It is emphasized that failure to attend for any assessment procedure, or to lodge any material stipulated as part of an assessment procedure, in any subject in which a student is enrolled will be regarded as failure in that assessment procedure unless written approval to withdraw from the subject without failure has been obtained from the Registrar.

19. Exemption — Membership

The Registrar is empowered to grant exemption from membership of the University Union, the Students' Union and the Sports Association to students who have a genuine conscientious objection to such membership, subject to payment of the prescribed fees to the Miscellaneous Fund.

Leave of Absence

Leave of absence from an undergraduate course of study may be granted to students other than those in the first year of a course. Leave of absence has generally been restricted to one year but in special circumstances two years have been granted.

To apply for such leave of absence, a letter should be submitted to the Registrar immediately following the release of annual examination results and must include the student's full name, registration number, the course and stage in which enrolled in the previous year and, most important, the reason *why* leave is being sought. The letter advising the result of the application will provide details about how to re-enrol.

Students who withdraw from the first year of their course *are not* granted leave of absence and must again apply for a place through the Universities and Colleges Admissions Centre.

Course Transfers

Students wishing to transfer from one course to another must complete and submit an application form, obtainable from the Admissions Office, the Chancellery, by Friday 11 January 1980.

Students whose applications to transfer are successful, and who are *transferring from one school to another* are required to comply with the enrolment procedure laid down for new students with advanced standing. *Students transferring from one course to another within the same school* are required to attend the appropriate enrolment session for the course to which they have approval to transfer.

Students must present the approval to transfer to the enrolling officer, and those who have not received advice regarding their application to transfer before the date on which they are required to enrol should check with the Admissions Office.

Students should also advise the enrolling officer in the school in which they were enrolled in 1979 of their intention to transfer.

Admission with Advanced Standing

Any person who makes application to register as a candidate for any degree or other award granted by the University may be admitted to the course of study leading to such degree or award with such standing on the basis of previous attainments as may be determined by the Professorial Board provided that:

1. the Board shall not grant such standing under these rules as is inconsistent with the rules governing progression to such degree or award as are operative at the time the application is determined;

2. where a student transfers from another university such student shall not in general be granted standing in this University which is superior to what he has in the University from which he transfers;

3. the standing granted by the Board in the case of any application based on any degree/s or other awards already held by the applicant, shall not be such as will permit the applicant to qualify for the degree or award for which he seeks to register without completing the courses of instruction and passing the examinations in at least those subjects comprising the latter half of the course, save that where such a program of studies would involve the applicant repeating courses of instruction in which the Board deems the applicant to have already qualified, the Board may prescribe an alternative program of studies in lieu thereof;

4. the standing granted by the Board in the case of any application based on partial completion of the requirements for any degree or other award of another institution shall not be such as will permit the applicant to qualify for the degree or award for which he seeks to register by satisfactory completion of a program of study deemed by the Board to be less than that required of a student in full-time attendance in the final year of the course in which the applicant seeks to register;

5. the standing granted by the Board in the case of any application based on the partial completion of the requirements for any degree or other award of the University may be such as to give full credit in the course to which the applicant seeks to transfer for work done in the course from which the student transfers.

Where the identity between the requirements for any award of the University already held and that of any other award of the University is such that the requirements outstanding for the second award are less than half the requirements of that award, then a student who merely completes such outstanding requirements shall not thereby be entitled to receive the second award but shall be entitled to receive a statement over the hand of the Registrar in appropriate terms.

Resumption of Courses

Students who have had a leave of absence for twelve months and wish to resume their course should follow the instructions about re-enrolling given in the letter granting leave of absence. If these instructions are not fully understood or have been lost, students should contact the Admissions Office before November in the year preceding the one in which they wish to resume their course.

If students have not obtained leave of absence from their course and have not been enrolled in the course over the past twelve months or more, they should apply for admission to the course through the Universities and Colleges Admissions Centre before 1 October in the year preceding that in which they wish to resume studies.

Examinations

Examinations are held during the Midyear Recess and in November/December.

Provisional timetables indicating the dates and times of examinations are posted on the University noticeboards.

Students must advise the Examinations and Student Records Section (the Chancellery) of any clash in examinations. Final timetables indicating the dates, times, locations, and authorized aids are available for students two weeks before the end of each session.

Misreading of the timetable is not an acceptable excuse for failure to attend an examination.

Assessment of Course Progress

In the assessment of a student's progress in a course, consideration may be given to work in laboratory and class exercises and to any term or other tests given throughout the year as well as to the results of written examinations.

Examination Results

Grading of Passes

Passes will be graded as follows:

High Distinction (indicates an outstanding performance).

Distinction (indicates a superior performance).

Credit (indicates a good performance).

Pass (indicates the achievement of an acceptable level of performance).

Satisfactory

Indicates the satisfactory completion of a subject for which graded passes are not available.

Pass Conceded

A pass conceded may be granted to a student whose overall satisfactory performance warrants consideration in a subject where the mark obtained is slightly below the standard required for a pass.

A pass conceded in a subject will normally allow progression to another subject for which the former subject is a prerequisite. In a particular subject, however, a subject authority may specify that a pass conceded is insufficient to meet a particular subject prerequisite.

Availability of Results

Final examination results will be posted to a student's term address, or vacation address if requested. Change of address forms and forms requesting that results be posted to a vacation address are included in the examination timetable and are obtainable at the Enquiry Desk, the Chancellery. Both forms can be accepted up to 30 November. Results are also posted on School noticeboards and in either the foyer of the Sir John Clancy Auditorium or the University Library.

No examination results are given by telephone.

Review of Results

A student may make application to the Registrar for the review of a result. The application form, accompanied by an appropriate fee, must be submitted not later than fifteen working days after the date of issue of the *Notification of Examination Result* form.

In reviewing a result, the subject authorities shall ensure that all components of the assessment have been assessed and a mark assigned.

A review of a result is not a detailed reassessment of a student's standard of knowledge and understanding of, and skills in, the subject. It is rather a search for arithmetic error in arriving at the composite mark and for gross and obvious error in assignment of marks in components of the final composite mark.

When a change is recommended, a report must be made on the review form which is returned to the Registrar. The application fee will be refunded by the Registrar when the review results in a change in grade.

The Registrar will report to the Professorial Board any change in grade resulting from a formal review of results.

Special Consideration

Students who believe that their performance in a subject, either during session or in an examination, has been adversely affected by sickness or any other reason should inform the Registrar and ask for special consideration in the determination of their standing.

Such requests should be made as soon as practicable after the occurrence. Applications made more than seven days after the final examination in a subject will only be considered in exceptional circumstances.

When submitting a request for special consideration students should provide all possible supporting evidence (eg medical certificates) together with their registration number and enrolment details.

Physical Disabilities

Students suffering from a physical disability which puts them at a disadvantage in written examinations should advise the Assistant Registrar, Examinations and Student Records Section (Ground Floor, the Chancellery) immediately their disability is known. If necessary, special arrangements will be made to meet the student's requirements.

Use of Electronic Calculators

Where the use of electronic calculators has been approved by a faculty or school, examiners may permit their use in examinations. Authorized electronic calculators are battery operated with the minimum operations of addition, subtraction, multiplication and division and

are of a type in common use by university students. They are not provided by the University, although some schools may make them available in special circumstances.

Examinations held away from the campus

Except in the case of students enrolled in external courses, examinations will not be permitted away from the campus unless the candidate is engaged on *compulsory industrial training*. Candidates must advise the Officer-in-Charge, Examinations Unit, immediately the details of the industrial training are known. Special forms for this purpose are available at the Enquiry Desk in the north wing of the Chancellery.

Arrival at Examinations

Examination Rooms will be open to students twenty-five minutes before the commencement of the examination. Candidates are requested to be in their places at least fifteen minutes before the commencement to hear announcements. The examination paper will be available for reading ten minutes before commencement.

Use of Linguistic Dictionaries

The answers in all examinations and in all work submitted must be in English unless otherwise directed. Students may apply for permission to use standard linguistic dictionaries in the presentation of written work for assessment. Such applications should be made in writing to the Assistant Registrar, Examinations and Student Records Section, not later than 14 days prior to the need to use the linguistic dictionary.

Conduct of Examinations

Examinations are conducted in accordance with the following rules and procedure:

1. Candidates are required to obey any instruction given by an examination supervisor for the proper conduct of the examination.
2. Candidates are required to be in their places in the examination room not less than fifteen minutes before the time for commencement.
3. No bag, writing paper, blotting paper, manuscript or book, other than a specified aid, is to be brought into the examination room.
4. Candidates shall not be admitted to an examination after thirty minutes from the time of commencement of the examination.
5. Candidates shall not be permitted to leave the examination room before the expiry of thirty minutes from the time the examination commences.

6. Candidates shall not be re-admitted to the examination room after they have left it unless, during the full period of their absence, they have been under approved supervision.

7. Candidates shall not by any improper means obtain, or endeavour to obtain, assistance in their work, give, or endeavour to give, assistance to any other candidate, or commit any breach of good order.

8. All answers must be in English unless otherwise stated. Foreign students who have the written approval of the Registrar may use standard linguistic dictionaries.

9. Smoking is not permitted during the course of examinations.

10. A candidate who commits any infringement of the rules governing examinations is liable to disqualification at the particular examination, to immediate expulsion from the examination room, and to such further penalty as may be determined in accordance with the By-Laws.

Acknowledgement of Sources

Students are expected to acknowledge the source of ideas and expressions used in submitted work. To provide adequate documentation is not only an indication of academic honesty but also a courtesy enabling the marker to consult sources with ease. Failure to do so may constitute plagiarism, which is subject to a charge of academic misconduct.

Abolition of Deferred Examinations

The system of formal deferred examinations administered by the Registrar's Division was abolished from 1 March 1978. Schools and Faculties may carry out whatever additional assessment may be considered appropriate, including assessment or additional assessment on medical or compassionate grounds.

Restrictions upon Students Re-enrolling

The University Council has adopted the following rules governing re-enrolment with the object of requiring students with a record of failure to show cause why they should be allowed to re-enrol and retain valuable class places.

First-year Rule

1. A student enrolled in the first year of any undergraduate course of study in the University as set out in the relevant Faculty Handbook shall be required to show cause why he/she should be allowed to continue the course if he/she fails more than half the program in which he/she is enrolled.

Note: A student wishing to calculate his/her liability under this rule should note that discontinuations *with* failure will form part of his/her program and discontinuations *without* failure will not. Determination of a student's half program is based on **Schedule A***, which may be varied from time to time by the Professorial Board.

Repeated-failure Rule

2. A student shall be required to show cause why he/she should be allowed to repeat a subject which that student has failed more than once. *Where the subject is prescribed as part of the student's course he/she shall also be required to show cause why he/she should be allowed to continue that course.*

General Rule

3. A student shall be required to show cause if, in the opinion of the faculty or board of studies, his/her academic record is such as to demonstrate the student's lack of fitness to pursue a subject or subjects and/or course or courses.

The Session-unit System

4. (1) A student who infringes the provisions of Rules **1.** or **2.** at the end of Session 1 of any year will be allowed to repeat the subject(s) (if offered) and/or continue the course in Session 2 of that year, subject to the rules of progression in that course.

(2) Such a student will be required to *show cause* at the end of the year, except that a student who has infringed Rule **2.** at the end of Session 1, and repeats the subject(s) in question in Session 2, and passes it/them, will not be required to *show cause* on account of any such subject(s).

Exemption from Rules by Faculties

5. (1) A faculty or board of studies examination committee may, in special circumstances, exempt a student from some or all of the provisions of Rules **1.** and **2.**

(2) Such a student will not be required to *show cause* under such provisions and will be notified accordingly by the Registrar.

'Showing Cause'†

6. (1) A student wishing to *show cause* must apply for special permission to re-enrol. Application should be made on the form available from the Examinations and Student Records Section and must be lodged with the

Registrar by the dates published annually by the Registrar. A late application may be accepted at the discretion of the University.

(2) Each application shall be considered by the Re-enrolment Committee which shall determine whether the cause shown is adequate to justify the granting of permission to re-enrol.

Appeal

7. (1) Any student who is excluded by the Re-enrolment Committee from a course and/or subject(s) under the provisions of the Rules may appeal to an Appeal Committee constituted by Council for this purpose with the following membership:

A Pro-Vice-Chancellor, nominated by the Vice-Chancellor, who shall be Chairman.

The Chairman of the Professorial Board, or if he is unable to serve, a member of the Professorial Board, nominated by the Chairman of the Professorial Board, or when the Chairman of the Professorial Board is unable to make a nomination, nominated by the Vice-Chairman.

One of the category of members of the Council elected by the graduates of the University, nominated by the Vice-Chancellor.

The decision of the Committee shall be final.

(2) The notification to any student of a decision by the Re-enrolment Committee to exclude him/her from re-enrolling in a course and/or subject(s) shall indicate that the student may appeal against that decision to the Appeal Committee. In lodging such an appeal with the Registrar the student should provide a complete statement of all grounds on which the appeal is based.

(3) The Appeal Committee shall determine the appeal after consideration of the student's academic record, his/her application for special permission to re-enrol, and the stated grounds of appeal. In exceptional circumstances, the Appeal Committee may require the student to appear in person.

Exclusion

8. (1) A student who is required to *show cause* under the provisions of Rules **1.** or **3.** and either does not attempt to *show cause* or does not receive special permission to re-enrol from the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in the subject(s) and course(s) on account of which he was required to *show cause*. Where the subjects failed are prescribed as part of any other course (or courses) he/she shall not be allowed to enrol in any such course.

(2) A student who is required to *show cause* under the provisions of Rule **2.** and either does not attempt to *show cause* or does not receive special permission to

*For Schedule A see below.

†The Professorial Board is currently reviewing procedures for considering applications for permission to re-enrol. If approved, the new procedures will take effect from the end of Session 1 1980.

re-enrol from the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in any subject he/she has failed twice. *Where the subject failed is prescribed as part of the student's course he/she shall also be excluded from that course.* Where the subject failed is prescribed as part of any other course (or courses) he/she shall not be allowed to enrol in any such course(s).

(3) A student excluded from a course or courses under the provisions of 1. or 2. may not enrol as a miscellaneous student in subjects which may be counted towards any such course.

Re-admission after Exclusion

9. (1) An excluded student may apply for re-admission after the period of exclusion has expired.

(2) (a) Applications for re-admission to a course should be made to the Universities and Colleges Admissions Centre before the closing date for normal applications in the year prior to which re-admission is sought. Such applications will be considered by the Admissions Committee of the relevant Faculty or Board.

(b) An application for re-admission to a subject should be made to the Registrar before 30 November in the year prior to which re-admission is sought. Such applications will be considered by the relevant Head of School.

(3) An application should include evidence that the circumstances which were deemed to operate against satisfactory performance at the time of exclusion are no longer operative or are reduced in intensity and/or evidence of action taken (including enrolment in course/s) to improve an applicant's capacity to resume studies at the University.

(4) Applications for re-admission to a course or subject that are unsuccessful (see 9. (2) (a), (b) respectively) will be reconsidered automatically by the Re-enrolment Committee of the Professorial Board. The decision of the Committee will be final.

10. If students fail a subject at the examinations in any year or session and re-enrol in the same course in the following year or session they must include in their program of studies for that year or session the subject which they failed. This requirement will not be applicable if the subject is not offered the following year or session; is not a compulsory component of a particular course; or if there is some other cause which is acceptable to the Professorial Board, for not immediately repeating the failed subject.

Restrictions and Definitions

11. (1) These rules do not apply to students enrolled in programs leading to a higher degree or graduate diploma.

(2) A subject is defined as a unit of instruction identified by a distinctive subject number.

Schedule A

(See First Year Rule 1. above)

Half the program is defined as half the sum of the unit values of all the subjects in the program where the unit value for each subject in a course is defined as follows:

Faculty/Board of Studies	Course	Unit Values (UV)
Applied Science	3000-3220,	One-session subjects: UV 1
	4190-4220	Two-session subjects: UV 2
Architecture	3270, 3330	All subjects: appropriate UV, corresponding to credit points**
	3310-3320	One-session subjects: UV 1 Two-session subjects: UV 2
	3360-3380	All subjects: UV equal to the allocated hours**
Arts	3400, 3410	All subjects: appropriate UV**
Biological Sciences	3430	All subjects: UV 1
Commerce	3490-3590	All subjects except Mathematics: UV 1 Mathematics: UV 2
Engineering	3600-3750	One-session subjects: UV 1 Two-session subjects: UV 2
Law	4710-4790	One-session subjects: UV 1 Two-session subjects: UV 2
Medicine	3800	80.011 and 80.211: UV 1 1.941 and 80.201: UV 2 2.011: UV 3 80.111: UV 6 General Studies: UV 0
Military Studies	4300-4420	All subjects: UV 1
Professional Studies	4030, 4040	All subjects: UV 1
	4060-4080	One-session subjects: UV 1 Two-session subjects: UV 2
Science	3910, 3950	All subjects: appropriate UV** General Studies: UV 1
Science and Mathematics	3970	All subjects: appropriate UV** General Studies: UV 1

**For details see the appropriate Faculty Handbook.

Admission to Degree or Diploma

Students whose current program will enable them to complete all requirements for the degree or diploma, including industrial training where necessary, should lodge with the Registrar the form *Application for Admission to a Degree* by the dates shown in the *Calendar of Dates* and on the *Notification of Examination Results*. The forms are available from the Enquiry Counter in the north wing of the Chancellery and will be mailed to all potential graduands.

The completion and submission of the form ensures that:

1. the correct spelling and sequence of names is recorded on the degree certificate
2. any previous academic qualifications are shown in the graduation ceremony program
3. all correspondence relating to the ceremony is forwarded to the correct address. **Note:** If notifying change of address after the form has been submitted an additional form *Final Year Students' Graduation: Change of Address Advice* should be submitted.

If the student meets all the requirements, the degree or diploma will be conferred without the necessity for further action by the student. Students should advise the Registrar, in writing, if they do not wish to have the degree or diploma conferred for any reason, including the decision to proceed to an honours degree. To ensure that the degree is not conferred advice should reach the Registrar no later than 24 July 1980 for students completing at the end of Session 1, and 1 March 1981 for those completing at the end of Session 2.

Attendance at Classes

Students are expected to be regular and punctual in attendance at all classes in the course or subject in which they are enrolled. All applications for exemption from attendance at lectures or practical classes must be made in writing to the Registrar.

In the case of illness or of absence for some other unavoidable cause students may be excused by the Registrar for non-attendance at classes for a period of not more than one month or, on the recommendation of the Dean of the appropriate Faculty, for a longer period.

Absence from Classes

Explanations of absences from classes, or requests for permission to be absent from forthcoming classes, should be addressed to the Registrar and, where applicable, should be accompanied by a medical certificate. If examinations have been missed, this should be stated in the application.

If students attend less than eighty per cent of their possible classes they may be refused final assessment.

Student Records

Confirmation of Enrolment Program notices are sent to all students on 24 April and 12 September. It is not necessary to return these forms unless any of the information recorded is incorrect. Amended forms must be returned to the Examinations and Student Records Section within fourteen days. Amendments notified after the closing date will not be accepted unless exceptional circumstances exist and approval is obtained from the Registrar. Amended forms returned to the Registrar will be acknowledged in writing within fourteen days.

Ownership of Students' Work

The University reserves the right to retain at its own discretion the original or one copy of any drawings, models, designs, plans and specifications, essays, theses or other work executed by students as part of their courses, or submitted for any award or competition conducted by the University.

Change of Address

The Student Records Section of the Registrar's Division should be notified as soon as possible of any change of address. Failure to do this could lead to important correspondence (including examination results) going astray. The University cannot accept responsibility if official communications fail to reach students who have not given notice of their change of address. Change of Address Advice Forms are available at Faculty and School offices and from the Enquiry Counter in the north wing of the Chancellery.

All communications from the University, including examination results, will be sent to the Session or Term address except when arrangements are made otherwise in the case of examination results (see *Examinations: Availability of Results*, earlier in this volume). *Change of Address Advice* forms will be accepted up to 28 November, except for final-year students wishing to change their *Submission of Details Associated with Graduation* form. Changes to this form will be accepted up to a date four weeks before the student's graduation ceremony.

Notices

Official University notices are displayed on the notice boards and students are expected to be acquainted with the notices which concern them. These boards are in the Biological Sciences Building, the Sciences Building, the Chancellery (lower ground floor), Central Lecture Block, Dalton Building (Chemistry), Electrical Engineering Building, Main Building (Physics and Mining) and in the Western Grounds Area.

Parking within the University Grounds

A limited amount of parking is available on campus. Copies of the University's parking rules may be obtained on application to Room 240, the Chancellery.

Academic Dress

Information about the University's academic dress requirements may be obtained from the Alumni Office, Room 148E, the Chancellery (phone extension 2998).

Student Services and Activities

Accommodation

Residential Colleges

There are seven residential colleges on campus. Each college offers accommodation in a distinctive environment which varies from college to college, as do facilities and fees. A brief description of each college is given below, and further information may be obtained directly from the individual colleges. In addition to basic residence fees, most colleges make minor additional charges for such items as registration fees, caution money or power charges. Intending students should lodge applications before the end of October in the year prior to the one in which they seek admission. Most colleges require a personal interview as part of the application procedure.

The Kensington Colleges

The Kensington Colleges comprise Basser College, Goldstein College and Philip Baxter College. They house 450 men and women students, as well as staff members. Fees are payable on a session basis. Apply in writing to the Master, Mr K. W. Bromham, PO Box 24, Kensington, NSW 2033.

International House

International House accommodates 154 students from Australia and up to twenty other countries. Preference is given to more senior undergraduates and graduate students. Apply in writing to the Warden, Emeritus Professor J. S. Ratcliffe, International House, PO Box 88, Kensington, NSW 2033.

New College

This Church of England College is open to all students without regard to race or religion. It has accommodation for approximately 220 students and is co-educational. Enquiries should be addressed to the Master, Rev. Dr S. B. Babbage, New College, Anzac Parade, Kensington, NSW, 2033.

Shalom College

Shalom College provides accommodation for 86 men and women students. Non-resident membership is available to students who wish to avail themselves of the Kosher dining room and tutorial facilities. Fees are payable on a session basis. Conferences are catered for, particularly with Kosher requirements. Rates are available on application. Apply in writing to the Master, Mr A. Cohen, Shalom College, The University of New South Wales, PO Box 1, Kensington, NSW 2033.

Warrane College

Warrane College provides accommodation for 200 men and is open to students of all ages, backgrounds and beliefs. A comprehensive tutorial program is offered along with a wide range of activities and opportunities to meet members of the University staff informally. Non-resident membership is available to male students who wish to participate in College activities and make use of its facilities. Warrane is directed by the Catholic lay association Opus Dei. Apply in writing to the Master, Dr J. F. Martins, Warrane College, PO Box 123, Kensington, NSW 2033.

Creston Residence

Creston Residence offers accommodation for 25 full-time undergraduate and graduate women students without restriction of denomination or nationality. Non-resident membership provides students with the opportunity to participate in the activities of the Residence and to make use of its facilities. Creston is directed by the Women's Section of Opus Dei, a Catholic lay association. Enquiries should be addressed to the Principal, 36 High Street, Randwick, NSW 2031.

Other Accommodation

Off-campus Accommodation

Students requiring other than College accommodation may contact the Housing Officer in the Student Amenities and Recreation Section for assistance in obtaining suitable lodging in the way of full board, room with cooking facilities, flats, houses, share flats, etc. Extensive listings of all varieties of housing are kept up-to-date throughout the year and during vacations.

No appointment is necessary but there may be some delay in February and March. The Housing staff are always happy to discuss any aspect of accommodation.

Special pamphlets on accommodation, lists of estate agents and hints on house-hunting are available on request.

Location: The Student Accommodation Service is located in the huts at the foot of Basser Steps. Telephone 663 0351 extn 3260.

Associations, Clubs and Societies

The Sports Association

The Sports Association is a student organization within the University, and it caters for a variety of competitive sports for both men and women. In December 1952 the University Council approved the establishment of the Sports Association which consisted of five clubs. As the University has grown, the Association has expanded, and now includes some thirty-six clubs.

Membership is compulsory at \$11 per year for all registered students, and is open to all members of staff and graduates of the University. All members of the Sports Association are invited to take part in any of the activities arranged by the Sports Association, and to use any of the facilities provided by the Sports Association.

The Sports Association is affiliated with the Australian Universities Sports Association (AUSA) which is the controlling body of sports in all Australian Universities.

The Sports Association is situated in the huts near the foot of Basser Steps, and the control of the Sports Association is vested in the General Committee. The Sports Association can be contacted on extension 2673.

School and Faculty Associations

Many schools and faculties have special clubs with interests in particular subject fields. Enquire at the relevant Faculty or School Office for information.

Australian Armed Services

The University maintains links with the Royal Australian Navy, the Citizen Military Forces and the Royal Australian Air Force, and opportunities exist for student participation in their activities. See the **General Information** section of the Faculty Handbooks for details.

Chaplaincy Centre

The University Chapel

The University provides a small chapel for the use of all faiths. In its temporary housing it is located in Hut F near the Chemistry Building. The chapel is available for services of worship by arrangement with the full-time chaplains. At other times it is available for private meditation to all members of the University.

Chaplaincy Service

A Chaplaincy Service is available within the University of New South Wales for the benefit of students and staff.

The Service offers fellowship, personal counselling and guidance, together with leadership in biblical and doctrinal studies and in worship. The Chaplains maintain close liaison with student religious societies.

The chaplains are located in Hut F at the foot of Basser steps, which also contains the temporary chapel.

Deputy Registrar (Student Services)

The Deputy Registrar (Student Services), Mr Peter O'Brien, and his Administrative Assistant, Mrs Anne Beaumont, are located on the first floor of the Chancellery.

They will help students who have problems and need advice but are not sure whom they should see. As well as dealing with general inquiries they are especially concerned with the problems of physically handicapped and disabled students and those in need of financial assistance. The latter students should see Mrs Beaumont.

All enquiries should be made either at room 148E or by telephoning extension 2482 (general enquiries) or 3164 (financial assistance).

Student Amenities and Recreation Section

In general the Student Amenities and Recreation Section seeks ways to promote the physical, social and educational development of students through their leisure time activities, and to provide some services essential to their day-to-day university life.

The Section provides, for example, a recreational program for students and staff at the Physical Education and Recreation Centre; negotiates with the Public Transport Commission of NSW on student travel concessions and supplies concession forms for bus, rail, ferries and planes; assists students with off-campus housing; makes bookings for use of sports facilities; and in consultation with the Sports Association assists various recognized clubs.

Mr I. Moutray is the Head of the Section, which is located in the huts at the foot of Basser Steps. The various services may be contacted by phone on the following extensions: Recreation Program 3271; Travel 2617; Accommodation 3260; Ground Bookings 2235; Sports Association 2673.

Physical Education and Recreation Centre

The Student Amenities and Recreation Section provides a recreational program for students and staff at the Physical Education and Recreation Centre. The Centre consists of eight squash courts, a main building, and a 50-metre indoor heated swimming pool. The main building has a large gymnasium and practice rooms for fencing, table tennis, judo, weight-lifting, karate and jazz ballet, also a physical fitness testing room. The recreational program includes intramurals, teaching/coaching, camping. The Centre is located on the lower campus adjacent to High Street. The Supervisor at PERC may be contacted on extension 3271.

Student Counselling and Research Unit

The Student Counselling and Research Unit has both service and research and development functions. The service function is to help clients — students, prospective students, parents and other concerned persons — improve their approach to planning, decision-making and coping with academic, vocational and personal aspects of their life. The research and development function is to develop and evaluate counselling practices and programs and to assist in improving the quality of student life.

Appointments for counselling consultations are available from 9 am to 7 pm, and may be made by 'phoning 663 0351 extensions 3681 and 3685 or by calling at the Unit, which is located at the foot of Basser Steps. In urgent cases interviews can be given on a walk-in basis between 9 am and 5 pm.

Student Employment and Scholarships Section

The Student Employment and Scholarships Section provides assistance with careers and employment, and administers scholarships and research grants.

Assistance with careers and permanent employment opportunities includes: the regular mailing of a *Job Vacancy Bulletin* to registered students and graduates, a Careers Information Library, and a Campus Interview Program in which final year students have the opportunity to speak to employers regarding employment prospects.

Assistance is also provided in obtaining course-related industrial or professional employment during long vacations as required by undergraduates in Engineering and Applied Science.

The Unit is located in the Chancellery.

For further information, telephone as follows: careers and employment assistance 3259 or 3630; graduate scholarships, research grants and long vacation industrial training 2525; undergraduate scholarships 3630.

Student Health Unit

A student health clinic and first aid centre is situated within the University. It is staffed by three qualified medical practitioners, assisted by two nursing sisters. The medical service although therapeutic is not intended

to replace private or community health services. Thus, where chronic or continuing conditions are revealed or suspected the student may be referred to a private practitioner or to an appropriate hospital. The health service is not responsible for fees incurred in these instances. The service is confidential and students are encouraged to attend for advice on matters pertaining to health.

The service is available to all enrolled students by appointment, free of charge, between 9 am and 5 pm Mondays to Fridays. For staff members, immunizations are available, and first aid service in the case of injury or illness on the campus.

The centre is located in Hut E on the northern side of the campus in College Road at the foot of the Basser Steps. The Director is Dr M. A. Naphthali.

Appointments may be made by calling at the centre or by telephoning extension 2679, 3275 or 3841 during the above hours.

The Family Planning Association of NSW conducts clinics at the Student Health Unit and at the adjacent Prince of Wales Hospital which are available for both staff and students. Appointments may be made for the Student Health Unit clinic by telephoning 588 2833 or for The Prince of Wales Hospital clinics by telephoning 399 0111.

The Students' Union

The Students' Union was formed in 1952 as an organization, duly recognized by the University Council, to represent the student body and to provide a central organization for the administration of student activities. In the words of its constitution, 'The Students' Union is formed for the purpose of advancing the interests of University men and women, facilitating their general scientific and technical education, and fostering a University spirit among them.'

The Students' Union affords a recognized means of communication between the student body and the University administration, and represents its members in all matters affecting their interests. It aims to promote the cultural, educational and recreational life of the University and to encourage a permanent interest among graduates in the life and progress of student activities within the University. The Student's Union also makes representations to government and other bodies outside the University on behalf of its members.

Membership of the Students' Union is compulsory for all registered students of the University and the annual subscription is \$17 for full-time students and \$13 for part-time students. All Alumni of the University are eligible for Life Membership.

The Students' Union is governed by a Council consisting in the main of elected student representatives from the various faculties of the University. There are also representatives of the University Council, Life Members, the Staff Association and the Sports Association. The Council is elected annually.

A full-time President, elected each year by popular ballot, directs the entire administration of the Students' Union and its activities.

Other officers are the Education Vice-President who works towards the implementation of Students' Union education policy; the Welfare-Research Officer concerned with helping students with problems they may encounter in the University; the Electronic Media Officer; and the Director of Overseas Students who deals with specific problems these students may encounter while in Australia.

The activities of the Students' Union include:

1. Infakt—a student-run information referral service for students who want someone to talk to or need help of any kind. Infakt is located in the bus at the foot of Basser Steps.
2. A casual employment service.
3. Organization of Orientation Week.
4. Organization of Foundation Day.
5. A nursery/kindergarten, *The House at Pooh Corner*.
6. Publication of the student paper *Tharunka*.
7. A free legal service run by a qualified lawyer employed by the Students' Union Council.
8. SU Record Shop which offers discount records and tapes.
9. The Nuthouse which deals in bulk and health foods.
10. Secondhand Bookshop for cheap texts.
11. CASOC (Clubs and Societies on Campus) which provides money from the SU for affiliated clubs and societies on campus.
12. The sale of electronic calculators and accessories at discount rates.
13. Provision of a bail fund.

The SU office is located on the Second Floor, Stage III, the Union.

The University Library

The University Libraries are mostly situated on the upper campus. The library buildings house the Undergraduate Library on Level 3, the Social Sciences and Humanities Library on Level 4, the Physical Sciences Library on Level 7 and the Law Library on Level 8. The Biomedical Library is in the western end of the Mathews Building and is closely associated with libraries in the teaching hospitals of the University.

For details consult Faculty Information in the relevant Faculty Handbook.

There are also library services at other centres:

The Water Reference Library situated at Manly Vale (Telephone 948 0261) which is closely associated with the Physical Sciences Library.

The library at the Broken Hill Division in the W.S. and L.B. Robinson University College building (Telephone 6022/3/4).

The library at the Royal Military College, Duntroon, ACT, serving the Faculty of Military Studies.

Each library provides reference and lending services to staff and students and each of the libraries on the Kensington campus is open throughout the year during day and evening periods. The exact hours of opening vary during the course of the academic year.

Staff and students normally use a machine-readable identification card to borrow from the University libraries.

The University Union

The University Union provides the facilities students, staff and graduates require in their daily University life and thus an opportunity for them to know and understand one another through associations outside the lecture room, the library and other places of work.

The Union is housed in three buildings near the entrance to the Kensington Campus from Anzac Parade. These are the Roundhouse, the Blockhouse and the Squarehouse. Membership of the Union is compulsory at \$55 per year for all registered students and is open to all members of staff and graduates of the University.

The control of the Union is vested in the Board of Management whose Chief Executive Officer is the Warden, Mr A. T. Cuningham; the President is Mr R. P. Hammond.

The full range of facilities provided by the Union includes a cafeteria service and other dining facilities, a large shopping centre, cloak room, banking and hairdressing facilities, showers, a women's lounge, common, games, reading, meeting, music, practice, craft and dark rooms. Photocopying, sign printing, and stencil cutting services are also available. The Union also sponsors special concerts (including lunchtime concerts) and conducts courses in many facets of the arts including weaving, photography, creative dance and yoga. Full information concerning courses is contained in a booklet obtainable from the Union's program department.

The University Union should not be confused with the Students' Union or Students' Representative Council as it is known in some other universities. This latter body has a representative function and is the instrument whereby student attitudes and opinions are crystallized and presented to the University and the community.

Student Membership of Faculties and Boards of Studies

The provisions for the appointment of student members to faculties and boards of studies, stated by resolution of Council of 9 May 1977, are:

1. A person who is not a student of the University shall be ineligible to be appointed as a member of a faculty under these rules.

For the purposes of these rules 'student' means a person who is enrolled as a candidate proceeding to a degree or diploma of the University.

2. Each faculty shall recommend to the Professorial Board for consideration and recommendation to the Council the number, or the formula for determining the number, of students eligible to be appointed as members of that faculty and may at any time recommend changes in such matters.

3. Each faculty may recommend to the Professorial Board for consideration and recommendation to the Council the creation of distinct and separate electorates for the appointment of students as members and may at any time recommend changes in such matters.

4. All elections referred to in this resolution shall be conducted annually by the Registrar or his nominee, who shall be the Returning Officer, in accordance with the provisions of this resolution and any other relevant resolution of the Council, at places and times and using election machinery and method of counting agreed between the Registrar or his nominee and the Chairman of the relevant faculty.

5. Elections shall be by personal voting except that students registered as external students and those students not on campus because of course requirements shall be entitled to vote by post and shall be enabled to do so. The Registrar or his nominee in consultation with the Chairman of the relevant faculty shall determine which students are so entitled.

6. The names of the successful candidates in any election shall be submitted to Council for appointment to the respective faculties under the provisions of By-law 1(b) of Chapter IV.

7. A person elected to be a member of a faculty under the provisions of this resolution and so appointed by Council shall be entitled to such membership from the date of the first meeting of the faculty scheduled to take place after the student's nomination thereto is accepted by Council until the day before the scheduled date of the corresponding regular meeting in the following year save that such membership of a faculty shall not be retained on ceasing to be a student enrolled in the faculty which entitled election except that:

(1) a person who has ceased to be so enrolled by reason of having completed the course requirements between the time of election and the close of the period for which elected shall retain such membership for the full period, and

(2) a student who has been granted leave of absence from the University in order to carry out the duties of an appointment as a full-time salaried officer of the University Union, the Students' Union, or the Sports Association shall while occupying the office in question be deemed to be a student for the purpose of this resolution and shall retain such membership for the full period.

8. When a casual vacancy in the membership of a faculty occurs either by resignation or by virtue of the provisions of 7. above the Registrar shall submit to Council for consideration for appointment to the vacancy for the remainder of the period of membership the name of the candidate if any who polled the greatest number of votes of the unsuccessful candidates at the most recent election in the relevant electorate.

9. That where a casual vacancy occurring in student membership of faculties or boards of studies cannot be filled within the provisions of 8. above, the executive committee of any faculty or board of studies be empowered to nominate to the Vice-Chancellor a student or students for consideration of appointment by Council.

10. Any student enrolled at the date on which the nominations close for a course leading to a degree or diploma awarded in a faculty shall be entitled to be nominated for, to be elected for, and to vote in an election for, membership of that faculty in such electorates as may be provided for under 3. above.

11. Any student enrolled at the date on which nominations close for a course leading to degrees or diplomas awarded by several faculties shall be eligible in any year to be nominated for, to be elected for, and to vote in an election for, membership of each such faculty in such electorates as may be provided for under 3. above, provided that such a student shall not in any year be nominated for, be elected for, or vote in an election for, membership of a faculty unless enrolled in a subject controlled by that faculty in that year.

12. Any student enrolled at the date on which nominations close for a course which contains a General Studies component shall be entitled to be nominated for, to be elected for, and to vote in an election for, membership of the Board of Studies in General Education in such electorates as may be provided for under 3. above.

13. Any student enrolled at the date on which nominations close for the Science and Mathematics course (3970) shall be eligible to be nominated for, to be elected for, and to vote in an election for, membership of the Board of Studies in Science and Mathematics in such electorates as may be provided for under 3. above.

14. In the interpretation of these provisions the expression 'faculty' includes 'boards of studies'.

Electorates

Electorates for student membership of faculties and boards of studies were defined by the Council resolution.

Faculty of Applied Science

Five members elected by and from the students of the Faculty.

Faculty of Architecture

Four members elected by and from the students of the Faculty.

Faculty of Arts

Six members elected by and from the students of the Faculty.

Faculty of Biological Sciences

(i) Two members elected by and from the graduate students of the Faculty.

(ii) One member elected by and from the undergraduates of the Faculty.

In the event of insufficient nominations being received from either electorate, the vacant place(s) shall be filled by the candidate(s), if any, receiving the greatest number of votes of the unsuccessful candidate(s) in the other electorate of the Faculty.

Faculty of Commerce

One member for each 500 students elected by and from the students of the Faculty, with a minimum number of three members, including where possible at least one candidate registered for an undergraduate degree and at least one candidate registered for a graduate degree or diploma.

Faculty of Engineering

- (i) Two members elected by and from the undergraduates of the School of Civil Engineering.
- (ii) Two members elected by and from the undergraduates of the School of Electrical Engineering.
- (iii) Two members elected by and from the undergraduates of the School of Mechanical and Industrial Engineering.
- (iv) Two members elected by and from the undergraduates of the School of Surveying.
- (v) Two members elected by and from the graduate students of the Faculty.

Faculty of Law

One student member for every 200 registered students (or fraction thereof) or one student member for every ten full-time teachers on the Faculty (or fraction thereof), whichever is the greater, elected by and from the students of the Faculty.

Faculty of Medicine

- (i) One member elected by and from the undergraduates in Year 1 of the Medical course.
- (ii) One member elected by and from the undergraduates in Year 2 of the Medical course.
- (iii) One member elected by and from the undergraduates in Year 3 of the Medical course.
- (iv) One member elected by and from the undergraduates in Year 4 of the Medical course and those students enrolled in the course leading to the award of the degree of BMedSc.
- (v) One member elected by and from the undergraduates in Year 5 of the Medical course and the graduate students of the Faculty.

Faculty of Military Studies

- (i) One member elected by and from the undergraduates enrolled in either the BA(Mil) or BA degree course.
- (ii) One member elected by and from the undergraduates enrolled in either the BSc(Mil) or BSc degree course.
- (iii) One member elected by and from the undergraduates enrolled in the BE degree course.
- (iv) One member elected by and from the graduate students of the Faculty.

Faculty of Professional Studies

- (i) One member elected by and from the undergraduates in the School of Education.
- (ii) One member elected by and from the undergraduates in the School of Health Administration.
- (iii) One member elected by and from the undergraduates in the School of Social Work.
- (iv) One member elected by and from the graduate diploma students in the School of Education.

(v) One member elected by and from the graduate diploma students in the School of Health Administration, the School of Librarianship and the School of Social Work.

(vi) One member elected by and from the graduate students, other than the graduate diploma students, in the School of Education.

(vii) One member elected by and from the graduate students, other than the graduate diploma students, in the School of Health Administration, the School of Librarianship and the School of Social Work.

Faculty of Science

- (i) Two members elected by and from the undergraduates in the Pure and Applied Chemistry degree course (3910) and the Optometry degree course (3950).
- (ii) One member elected by and from the graduate students of the Faculty.

Board of Studies in Science and Mathematics

Three members elected by and from the undergraduates in the Science and Mathematics course (3970).

Australian Graduate School of Management Board of Studies

- (i) Two members elected by and from the students enrolled in either the MBA or MPA degree course.
- (ii) One member elected by and from the students enrolled for the degree of Doctor of Philosophy in the AGSM.

Australian Graduate School of Management Board of Management

One member elected by and from the higher degree students in the AGSM (elected for a calendar year).

The provision for retention of membership of faculties and boards by students who are appointed officers of the University Union, the Sports Association and the provisions for filling casual vacancies, do *not* apply to membership of the AGSM Board of Management.

Board of Studies in General Education

- (i) One member elected by and from the graduate students of the Board of Studies.
- (ii) Three members elected by and from the undergraduates enrolled in courses containing a General Studies component.

Undergraduate and Graduate

Disciplines of the University

The range of disciplines offered by the University is indicated in the tables below, the first arranged in order of faculties and the second in alphabetical order of disciplines.

For details of the disciplines within each faculty consult the relevant faculty handbook.

A summary description of each discipline follows.

Table of Courses (by faculty)

Undergraduate Study

Full-time

Course	Course Code	Degree	Duration in Years	
			Pass	Honours
Faculty of Applied Science				
Applied Geography	3010	BSc	4	4
Applied Geology	3000	BSc	4	4
Ceramic Engineering	3020	BSc	4	4
Chemical Engineering	3040	BE	4	4
Food Technology	3060	BSc	4	4

Course	Course Code	Degree	Duration in Years	
			Pass	Honours
Faculty of Applied Science (continued)				
Industrial Chemistry	3100	BSc	4	4
Metallurgical Process Engineering	3180	BE	4	4
Metallurgy	3120	BSc	4	4
Mining Engineering 1.	4190	BE	4	4
Mining Engineering	3140	BE	4	4
Textile Technology	3170	BSc	4	4
Wool and Pastoral Sciences	3220	BSc	4	4
Wool and Pastoral Sciences (Education Option)	3210	BSc	4	4

Faculty of Architecture

Architecture	3270/3280	BArch	5	5
Architecture	3270/3290	BSc(Arch)	3	4
Architecture (old course)	3370	BSc(Arch)	3	—
Architecture (old course)	3300	BArch	6	6
Industrial Arts	3310	BSc	4	—
Industrial Arts	3320	BSc (Ind Arts)	4	—
Landscape Architecture	3380	BLArch	4	4
Building 2.	3330	BBuild	4	4
Town Planning	3360	BTP	5	5

Full-time (continued)

Course	Course Code	Degree	Duration In Years	
			Pass	Honours
Faculty of Arts				
Arts	3400	BA	3	4
Arts/Education	3410	BA DipEd	4	5
Social Science	3420	BSocSc	—	4

Faculty of Biological Sciences

Psychology	3430	BSc	4	4
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Faculty of Commerce

Accounting, Finance and Systems	3510	BCom	3	4
Economic History	3590	BCom	3	4
Economic History	3595	BCom DipEd	4	—
Economics	3530	BCom	3	4
Economics	3535	BCom DipEd	4	—
Econometrics	3560	BCom	3	4
Economics/ Econometrics (Honours)	3580	BCom	—	4
Industrial Relations	3550	BCom	3	4
Marketing	3490	BCom	3	4

Faculty of Engineering

Aeronautical Engineering	3610	BE	4	4
Civil Engineering	3620	BE	4	4
Electrical Engineering	3640	BE	4	4
Industrial Engineering	3660	BE	4	4
Mechanical Engineering	3680	BE	4	4
Naval Architecture	3700	BE	4	4
Surveying	3740	BSurv	4	4
Arts/Electrical Engineering ³	3720	BA BE	5	6
Science/Civil Engineering	3730	BSc BE	5	6
Science/Electrical Engineering	3970/3640	BSc BE	5	5

Faculty of Law

Arts/Law ⁴	4760	BA LLB	5	6/7
Commerce (Accounting, Finance and Systems)/Law	4730	BCom LLB	5	6

Course	Course Code	Degree	Duration in Years	
			Pass	Honours

Faculty of Law (continued)

Commerce (Economics)/Law	4740	BCom LLB	5	6
Commerce (Industrial Relations)/Law	4750	BCom LLB	5	6
Commerce (Marketing)/Law	4710	BCom LLB	5	6
Science/Law	4770	BSc LLB	5	7
Jurisprudence/Law	4780	BJuris LLB	5	—
Jurisprudence	4720	BJuris	3	—
Law ⁵	4790	LLB	3	—

Faculty of Medicine

Medicine	3800	MB BS	5	5
Science/Medicine	3820	BSc MBBS	6	7
Science (Medicine) ⁶	3830	BMedSc	1	1

Faculty of Military Studies

Arts	4400	BA	4	5
Science	4410	BSc	4	5
Engineering	4420	BE	5	5

Faculty of Professional Studies

Health Administration	4040	BHA	3	—
Social Work	4030	BSW	4	4

Faculty of Science

Optometry	3950	BOptom	4	4
Pure and Applied Chemistry	3910	BSc	3	4

Board of Studies in Science and Mathematics

Science and Mathematics	3970	BSc	3	4
Science/Diploma in Education				
Mathematics	4070	BSc DipEd	4	5
Science	4080	BSc DipEd	4	5

1. Available at Broken Hill only.

2. A maximum of seventeen semesters may be taken to complete the course.

3. An Honours degree course in Arts may be taken with the prior approval of the respective deans of the faculties of Arts and Engineering.

4. Students intending to take an Honours BA degree course are advised to complete the course and then seek admission to a three-year LLB degree course.

5. Available to graduates or graduands only.

6. See Faculty of Medicine Handbook for details.

Part-time

Course	Course Code	Degree	Duration in Years Pass Honours	
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Faculty of Applied Science

Mining Engineering ⁷ .	4200	BE	7	7
Mining Engineering ⁷ .	4210	BSc(Eng)	6	—
Ceramics	3030	BSc(Tech)	6	—
Chemical Engineering	3040	BE	7	7
Food Technology	3070	BSc(Tech)	6	—
Industrial Chemistry	3110	BSc(Tech)	6	—
Metallurgy	3130	BSc(Tech)	6	—
Mineral Processing ⁷ .	4220	BSc(Tech)	6	6

Faculty of Architecture

Architecture	3370	BSc(Arch)	6	—
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Faculty of Commerce ⁸.

Accounting, Finance and Systems	3510	BCom	6	7
Economic History	3590	BCom	6	7
Economics	3530	BCom	6	7
Economics/ Econometrics (Honours)	3580	BCom	—	7
Econometrics	3560	BCom	6	7
Industrial Relations	3550	BCom	6	7
Marketing	3490	BCom	6	7
Commerce Part-time, Year 1 only	3500	BCom	—	—

Faculty of Engineering

Aeronautical Engineering ⁹ .	3600	BSc(Eng)	6	—
Aeronautical Engineering	3610	BE	6	6
Civil Engineering	3620	BE	7	7
Civil Engineering	3630	BSc(Eng)	6	—
Electrical Engineering	3650	BSc(Eng)	6	—
Industrial Engineering	3660	BE	6	6
Industrial Engineering ⁹ .	3670	BSc(Eng)	6	—
Mechanical Engineering	3680	BE	6	6
Mechanical Engineering ⁹ .	3690	BSc(Eng)	6	—
Naval Architecture	3700	BE	6	6
Naval Architecture ⁹ .	3710	BSc(Eng)	6	—
Surveying ¹⁰ .	3750	BSurv	6/7	6/7

Course	Course Code	Degree	Duration in Years Pass Honours	
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Faculty of Law

Law	4790	LLB	6	—
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Faculty of Professional Studies

Health Administration ¹¹ .	4040	BHA	6	—
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Faculty of Science

Pure and Applied Chemistry	3910	BSc	6	8
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Board of Studies in Science and Mathematics

Science and Mathematics	3970	BSc	7	9
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⁷. Available at Broken Hill and may be completed on a mixed full-time and part-time basis.

⁸. With the approval of the Head of School concerned, each of the part-time Commerce courses may be completed in five years.

⁹. No new enrolments are being accepted into this course.

¹⁰. The course is so structured that it may be taken either as a four year full-time course or in a sandwich form which may be completed within a maximum period of seven years.

¹¹. Part-time on an external basis.

Graduate Study

The University provides facilities for approved students to engage in advanced studies and research leading to the award of higher degrees and graduate diplomas.

The conditions for various awards are administered by the Higher Degree Committee of the appropriate Faculty or Board of Studies under the general supervision of that Faculty or Board.

The degree of Doctor of Philosophy*† is available in all Faculties and in the Australian Graduate School of Management and requires the completion of a program of research over a period of at least three years' full-time study and the preparation of a thesis. The degree of Doctor of Medicine*† requires a similar program of study.

The higher doctorates of Doctor of Science†, Doctor of Laws† and Doctor of Letters† may be awarded for published work of distinguished merit in any one of these fields.

The University also offers masters degrees* by research and by course work, as well as various courses leading to the award of a graduate diploma‡. Details are outlined on the following pages.

Graduate Study (continued)

At the W. S. and L. B. Robinson University College in Broken Hill, candidates may register for the research degrees of Doctor of Philosophy*†, Master of Science† and Master of Engineering†, subject to adequate research facilities and satisfactory supervision being available in the candidate's particular field of study.

Short intensive graduate and special courses are provided each year through the Division of Postgraduate Extension Studies, the Committee in Postgraduate Medical Education, and a number of Schools of the University. These courses cover a wide range of interests, and details are advertised separately.

*For conditions of the award of this degree see the appropriate Faculty Handbook.

†For conditions of the award of this degree see later in the Calendar.

‡For conditions of the award of a graduate diploma see the appropriate Faculty Handbook.

School/Course	Type	Course Code	Duration/Years	
	Research /Course		Full-time	Part-time

Faculty of Applied Science

PhD

Applied Geology	R	1000		
Chemical Engineering	R	1010		
Chemical Technology	R	1020		
Food Technology	R	1030		
Geography	R	1080		
Metallurgy	R	1040		
Mining Engineering	R	1050		
Textile Technology	R	1060		
Wool and Pastoral Sciences	R	1070		

MAppSc

Applied Geophysics	C	8070	1	—
Bioprocess Engineering	C	8000	1	2
Chemical Engineering	C	8010	1	2
Chemical Technology	C	8005	1	2
Environmental Pollution Control	C	8040	1	2
Food Technology	C	8030	1	2
Fuel Technology	C	8060	1	2
Engineering Geology—Hydrogeology—Environmental Geology	C	8020	1	2
Industrial Pollution Control	C	8080	1	2
Metallurgy	C	8050		
Mineral Exploration	C	8090	1	2

School/Course	Type Research /Course	Course Code	Duration/Years Full- time	Part- time
ME				
Chemical Engineering	R	2150		
Chemical Technology	R	2160		
Metallurgy	R	2170		
Mining Engineering	R	2180		
MSc				
Applied Geology	R	2000		
Chemical Engineering	R	2010		
Chemical Technology	R	2020		
Food Technology	R	2030		
Geography	R	2040		
Metallurgy	R	2050		
Mining Engineering	R	2060		
Textile Technology	R	2070		
Wool and Pastoral Sciences	R	2080		
GradDip				
Corrosion Technology	C	5010	—	2
Food Technology	C	5020	1	2
Mining and Minerals Engineering	C	5040	1	2
Wool and Pastoral Sciences	C	5080	1	2

Faculty of Architecture

PhD

Built Environment	R	1120		
Architecture	R	1130		
Building	R	1140		
Industrial Arts	R	1170		
Landscape Architecture	R	1160		
Town Planning	R	1150		

MArch

Architecture	R	2200		
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MBuild

Building	R	2210		
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MBEnv

Built Environment	C	8130		
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MLArch

Landscape Architecture	R	2220		
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MSc

Industrial Arts	R	2205		
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Graduate Study (continued)

School/Course	Type	Course Code	Duration/Years	
	Research /Course		Full-time	Part-time

Faculty of Architecture (continued)**MSc(Acoustics)**

Acoustics	C	8100	—	2
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MSc(Building)

Building	C	8110	—	2
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MTP

Town Planning	R	2230		
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GradDip

Housing and Neighbourhood Planning	C	5200	1	2
Industrial Design	C	5220	1	2
Landscape Design	C	5210	—	2

Faculty of Arts**PhD**

Drama	R	1180		
English	R	1200		
French	R	1210		
Geography	R	1220		
German	R	1230		
History	R	1240		
History and Philosophy of Science	R	1250		
Philosophy	R	1260		
Political Science	R	1270		
Russian	R	1290		
Sociology	R	1300		
Spanish and Latin American Studies	R	1310		

MA(Hons)

Drama	R	2260		
Economics	R	2270		
English	R	2280		
French	R	2290		
Geography	R	2300		
German	R	2310		
History	R	2320		
History and Philosophy of Science	R	2330		
Mathematics	R	2340		
Philosophy	R	2350		
Political Science	R	2360		
Psychology	R	2250		

School/Course	Type	Course Code	Duration/Years	
	Research /Course		Full-time	Part-time
Russian	R	2370		
Sociology	R	2380		
Spanish and Latin American Studies	R	2390		
MA				
English	C	8170	1	2
French	C	8210	—	2
German	C	8200	1	2
History	C	8180	—	2
Mathematics	C	8160	—	2
Philosophy	C	8190	1	2

Faculty of Biological Sciences**PhD**

Biochemistry	R	1410		
Biological Technology	R	1420		
Botany	R	1430		
Microbiology	R	1440		
Psychology	R	1400		
Zoology	R	1450		

MPsychol

Psychology	C	8250	1	2
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MSc

Biochemistry	R	2460		
Biological Technology	R	2470		
Botany	R	2480		
Microbiology	R	2490		
Psychology	R	2450		
Zoology	R	2500		

MSc(Biotech)

Biological Technology	C	8260	1	2
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GradDip

Biochemical Engineering	C	5320	1	2
Biotechnology	C	5340	1	2

Faculty of Commerce**PhD**

Accountancy	R	1520		
Commerce	R	1580		
Economics	R	1540		
Finance	R	1560		
Marketing	R	1550		
Organizational Behaviour	R	1590		

Graduate Study (continued)

School/Course	Type Research /Course	Course Code	Duration/Years	
			Full- time	Part- time

Faculty of Commerce (continued)

MCom(Hons)

Accountancy	R & C	2630	2	3
Economic History	R & C	2590	2	3
Econometrics	R & C	2600	2	3
Economics	R & C	2640	2	3
Industrial Relations	R & C	2540	2	3
Marketing	R & C	2530	2	3
Organizational Behaviour	R & C	2520	2	3

MCom

Commerce	C	8470	2	3
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Faculty of Engineering

PhD

Civil Engineering	R	1630		
Electrical Engineering	R	1640		
Mechanical and Industrial Engineering	R	1660		
Nuclear Engineering	R	1670		
Surveying	R	1680		
Transport and Highways	R	1700		

MBiomedE

Biomedical Engineering	C	8660	1½	3
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ME

Civil Engineering	R	2650		
Electrical Engineering	R	2660		
Mechanical and Industrial Engineering	R	2690		
Nuclear Engineering	R	2700		
Transport and Highways	R	2730		

MEngSc

Civil Engineering	C	8610	1	2
Electrical Engineering	C	8500	1	2
Industrial Engineering	C	8530	1	2
Mechanical Engineering	C	8540	1	2
Nuclear Engineering	C	8550	1	2
Transport and Highways	C	8620		

School/Course	Type Research /Course	Course Code	Duration/Years	
			Full- time	Part- time

MSc

Civil Engineering	R	2750		
Electrical Engineering	R	2760		
Mechanical and Industrial Engineering	R	2780		
Nuclear Engineering	R	2785		
Transport and Highways	R	2740		

MSurv

Surveying	R	2720		
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MSurvSc

Surveying Science	C	8650	1	2
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GradDip

Highway Engineering	C	5430	1	2
Human Communication	C	5440	1	2
Industrial Engineering	C	5450	1	2
Transport	C	5460	1	2
Engineering Develop- ments*	C	5470	1	2

Faculty of Law

PhD

Law	R	1730		
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LLM

Law	R	2440		
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Faculty of Medicine

MD

Medicine	R	0350		
Pathology	R	0360		
Physiology and Pharmacology	R	0370		
Obstetrics and Gynaecology	R	0380		
Psychiatry	R	0390		
Surgery	R	0400		
Paediatrics	R	0410		
Anatomy	R	0420		
Community Medicine	R	0430		

*May also be taken externally.

Graduate Study (continued)

School/Course	Type Research /Course	Course Code	Duration/Years Full- time	Part- time
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Faculty of Medicine (continued)**PhD**

Anatomy	R	1750		
Community Medicine	R	1760		
Medicine	R	1770		
Pathology	R	1780		
Physiology and Pharmacology	R	1790		
Psychiatry	R	1800		
Surgery	R	1810		
Obstetrics and Gynaecology	R	1820		
Paediatrics	R	1830		

MSc

Anatomy	R	2800		
Community Medicine	R	2810		
Medicine	R	2820		
Obstetrics and Gynaecology	R	2830		
Pathology	R	2840		
Physiology and Pharmacology	R	2850		
Psychiatry	R	2880		
Paediatrics	R	2805		
Surgery	R	2875		

MS

Surgery (School of Surgery)	R	2860		
Surgery (Other Schools)	R	2870		

Faculty of Military Studies**PhD**

Chemistry	R	1870		
Civil Engineering	R	1630		
Economics	R	1540		
Electrical Engineering	R	1640		
English	R	1200		
Government	R	1320		
Geography	R	1080		
History	R	1240		
Mathematics	R	1880		
Mechanical Engineering	R	1660		
Physics	R	1890		

School/Course	Type Research /Course	Course Code	Duration/Years Full- time	Part- time
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MA(Hons)

Economics	R	2270		
English	R	2280		
Government	R	2400		
Geography	R	2300		
History	R	2320		
Mathematics	R	2340		

ME

Civil Engineering	R	2650		
Electrical Engineering	R	2660		
Mechanical Engineering	R	2690		

MSc

Chemistry	R	2910		
Geography	R	2040		
Mathematics	R	2920		
Physics	R	2930		

MEngSc

Electrical Engineering	C	8510	1	2
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Faculty of Professional Studies**PhD**

Education	R	1970		
Health Administration	R	1950		
Librarianship	R	1990		
Social Work	R	1980		

MArchivAdmin*

Archive Administration	R	2985		
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MEd

Education	R	2990		
Education	C	8910	2	4

MEdAdmin

Educational Administration	R	2945	2/3	3/4
Educational Administration	C	8960	1/2	2/4

MHA

Health Administration	R	2960	2	2 or more
Health Administration	C	8900	2	—

*Subject to approval.

Graduate Study (continued)

School/Course	Type Research /Course	Course Code	Duration/Years Full- time	Part- time
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Faculty of Professional Studies (continued)

MHP

Health Planning	C	8940	1	2
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MLib

Librarianship	R	2980		
Librarianship	C	8920	1	2

MSW

Social Work	R	2970		
Social Work	C	8930	1	2

DipArchivAdmin

Archives Administration	C	5600	1	2
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DipEd

Education	C	5560	1	—
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DipLib

Librarianship	C	5590	1	—
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Faculty of Science

PhD

Optometry	R	1860		
Chemistry	R	1870		
Mathematics	R	1880		
Physics	R	1890		

MChem

Chemistry	C	8770	1	—
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MMath

Mathematics	C	8740	1	2
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MOptom

Optometry	C	8760	1	2/3
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MPhysics

Physics	C	8730	1	2
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MSc

Optometry	R	2900		
Chemistry	R	2910		
Mathematics	R	2920		
Physics	R	2930		

School/Course	Type Research /Course	Course Code	Duration/Years Full- time	Part- time
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MScSoc

History and Philosophy of Science	C	8780	—	2
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MState

Statistics	C	8750	2	4
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DipFDA

Food and Drug Analysis	C	5510	1	2
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GradDip

Current Science	C	5520	1	2
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Australian Graduate School of Management

PhD

AGSM	R	1350		
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MBA

Business Administration	C	8350	2	—
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MPA

Public Administration	C	8360	2	—
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Board of Studies in General Education

PhD

General Studies	R	1920		
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MGenStud

MGenStud	R & C	9100	—	2
General Studies	R	2430	1	2

Professorial Board

PhD

Health Personnel Education	R	1840		
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MHPed

Health Personnel Education	C	9000	1½ *	2½ *
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*Includes a project of approved field work of six months.

Table of Courses (alphabetical)

As already indicated, there are facilities in all faculties for study for higher research degrees, and in some faculties for higher degrees by a combination of research and course work. In this Table and the summary of

disciplines (see following pages) reference is made to graduate study only where formal graduate courses are available.

Discipline	Faculty	Code Number		Degree Abbreviation		Duration in Years	
		Full-time	Part-time	Full-time	Part-time	Pass/Honours	Full-time Part-time
Accounting, Finance and Systems	Commerce	3510	3510	BCom	BCom	3/4	6/7
Accountancy	Commerce	8470	8470	MCom	MCom	2	3
		2630	2630	MCom(Hons)	MCom(Hons)	2	3
Acoustics, <i>see also</i> Architecture	Architecture		8100		MSc(Acoustics)		2
Aeronautical Engineering	Engineering	3610	3600‡ 3610	BE	BSc(Eng)‡ BE	4	6‡ 6/6
Anatomy, <i>see also</i> Cellular Biology, Human Structure and Function, Medical Science	Medicine	3810		BMedSc		*	
	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3	7/8-9
Applied Geography, <i>see</i> Geography							
Applied Geology, <i>see</i> Geology							
Applied Geophysics	Applied Science	8070		MAppSc		1	
Architecture	Architecture	3270/3280		BArch		5/5	
		3270/3290		BSc(Arch)		3/4	
		3370 3370		BSc(Arch)	BSc(Arch)	3	6
		3300		BArch		6/6	
Archives Administration	Professional Studies	5600	5600	DipArchivAdmin	DipArchivAdmin	1	2
Behavioural Science, <i>see</i> Organizational Behaviour							
Biochemical Engineering	Biological Sciences	5320	5320	GradDip	GradDip	1	2
Biochemistry, <i>see also</i> Cellular Biology, Human Structure and Function, Medical Science	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9
	Medicine	3810		BMedSc		*	
Biological Technology, <i>see also</i> Food Technology	Biological Sciences and Applied Science	8260	8260	MSc(Biotech)	MSc(Biotech)	1	2
	Board of Studies in Science and Mathematics	3970		BSc		3/4	
Biomedical Engineering	Engineering	8660	8660	MBiomedE	MBiomedE	1½	3
Bioprocess Engineering, <i>see also</i> Chemical Engineering	Applied Science	8000	8000	MAppSc	MAppSc	1	2

‡No new enrolments are being accepted into this course.

*See Faculty of Medicine Handbook for details.

Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Duration in Years Pass/Honours	
		Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Botany	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9
Building	Architecture	3330	8110	BBuild	MSc(Building)	8/17 semesters	2
Built Environment	Architecture	8130	8130	MBEnv	MBEnv	1	2
Business Administration	AGSM	8350		MBA		2	
Cellular Biology	Medicine	3800		MB BS		5	
Ceramic Engineering, <i>see also Chemical Technology</i>	Applied Science	3020		BSc		4/4	
Ceramics, <i>see also Chemical Technology</i>	Applied Science		3030		BSc(Tech)		6
Chemical Engineering	Applied Science	3040	3040**	BE	BE**	4/4	7/7**
		8010	8010	MAppSc	MAppSc	1	2
Chemical Technology, <i>see also Ceramic Engineering, Ceramics and Industrial Chemistry</i>	Applied Science	8005	8005	MAppSc	MAppSc	1	2
Chemistry, <i>see also Pure and Applied Chemistry</i>	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9
	Science	8770		MChem		1	
	Medicine	3800		MB BS		5	
Civil Engineering	Engineering	3620	3620 3630	BE	BE BSc(Eng)	4	7** 6
		3730		BSc BE		5	6
		8610	8610	MEngSc	MEngSc	1	2
Clinical Studies	Medicine	3800		MB BS		5	
Community Medicine	Medicine	3800 3810		MB BS BMedSc		5 *	
Commerce, <i>see also Accountancy, Economics, Economic History, Econometrics, Industrial Relations, Marketing, and Organizational Behaviour</i>	Commerce		3500 8470		BCom MCom		4/5*** 3
Computer Science, <i>see also Electrical Engineering</i>	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/9
Corrosion Technology	Applied Science		5010		GradDip		2
Current Science	Science	5520	5520	GradDip	GradDip	1	2
Drama	Arts	3400		BA		3/4	
Econometrics, <i>see also Economics</i>	Commerce	3560	3560	BCom	BCom	3/4	6/7
		8470	8470	MCom	MCom	2	3
		2600	2600	MCom(Hons)	MCom(Hons)	2	3

**By combination of full-time and part-time study the duration may be reduced.

*See Faculty of Medicine Handbook for details.

***Year 1 part-time only, following years full-time.

Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Duration in Years	
		Full-time	Part-time	Full-time	Part-time	Pass/Honours	Full-time Part-time
Economic History, see also Economics	Commerce	3590	3590	BCom	BCom	3/4	6/7
		3595		BCom DipEd		4	
		2590	2590	MCom(Hons)	MCom(Hons)	2	3
		8470	8470	MCom	MCom	2	3
Economics	Commerce	3530	3530	BCom	BCom	3/4	6/7
		3535		BCom DipEd		4	
		2640	2640	MCom(Hons)	MCom(Hons)	2	3
		8470	8470	MCom	MCom	2	3
Economics/Econometrics Commerce	Commerce	3580	3580	BCom(Hons)	BCom(Hons)	—/7	—/7
Education							
Mathematics Science	Board of Studies in Science and Mathematics	4070		BSc DipEd		4/5	
		4080		BSc DipEd		4/5	
Education	Professional Studies	8910	8910	MEd	MEd	2	4
Education		5660		DipEd		1	
Educational Administration		8960	8960	MEdAdmin	MEdAdmin	1/2	2/4
Electrical Engineering	Engineering	3640	3650	BE	BSc(Eng)	4	6
		3970/3640		BSc BE		5/6	
		3720		BA BE		5/6	
		8500	8500	MEngSc	MEngSc	1	2
	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/9
Engineering Developments	Engineering	5470	5470	GradDip	GradDip	1	2
Engineering Geology—Hydrogeology—Environmental Geology	Applied Science	8020	8020	MAppSc	MAppSc	1	2
English	Arts	3400		BA		3/4	
		8170	8170	MA	MA	1	2
Environmental Pollution Control	Applied Science	8040	8040	MAppSc	MAppSc	1	2
Environmental Geology, see Engineering Geology							
Food and Drug Analysis	Science	5510	5510	DipFDA	DipFDA	1	2
Food Technology, see also Chemical Engineering	Applied Science	3060	3070	BSc	BSc(Tech)	4/4	6**
		8030	8030	MAppSc	MAppSc	1	2
		5020	5020	GradDip	GradDip	1	2
French	Arts	3400		BA		3/4	
		8210		MA		2	
Fuel Engineering, see also Chemical Engineering	Applied Science	3040		BE		4/4	
Fuel Technology	Applied Science	8060	8060	MAppSc	MAppSc	1	2
General Studies	Board of Studies in General Education		9100		MGenStud		2

**By combination of full-time and part-time study the duration may be reduced.

Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Duration in Years	
		Full-time	Part-time	Full-time	Part-time	Pass/Honours	Full-time Part-time
Geography	Applied Science	3010		BSc		4/4	
	Board of Studies in Science and Mathematics	3970		BSc		3/4	
Geology	Applied Science	3000		BSc		4/4	
	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9
German	Arts	3400		BA		3/4	
		8200	8200	MA	MA	1	2
Health Administration	Professional Studies	4040	4040	BHA	BHA	3	6
		8900		MHA		2	
Health Planning	Professional Studies	8940	8940	MHP	MHP	1	2
Health Personnel Education	Professorial Board†	9000	9000	MHPed	MHPed	1½	2½
History	Arts	3400		BA		3/4	
		8180	8180	MA	MA	2	3
History and Philosophy of Science	Arts	3400		BA		3/4	
			3970	BSc	BSc	3/4	7/8-9
Housing and Neighbourhood Planning	Architecture		5200		GradDip		2
Human Behaviour	Medicine	3800		MB BS		5	
Human Communication	Engineering	5440	5440	GradDip	GradDip	1	2
Human Structure and Function	Medicine	3800		MB BS		5	
Hydrogeology, see Engineering Geology							
Industrial Arts	Architecture	3310		BSc		4	
		3320		BSc(IndArts) DipEd		4	
Industrial Chemistry, see also Chemical Technology	Applied Science	3100	3110	BSc	BSc(Tech)	4/4	6
Industrial Design	Architecture	5220		GradDip		1	
Industrial Engineering	Engineering	3660	3670‡	BE	BSc(Eng)‡	4	6‡
			3660		BE		6/6
		8530	8530	MEngSc	MEngSc	1	2
			5450		GradDip		2
Industrial Pollution Control	Applied Science	8080	8080	MAppSc	MAppSc	1	2
Industrial Relations, see also Economics	Commerce	3550	3550	BCom	BCom	3/4	6/7
		2540	2540	MCom(Hons)	MCom(Hons)	2	3
		8470	8470	MCom	MCom	2	3
Integrated Clinical Studies, see Clinical Studies							

†Administering body.

‡No new enrolments are being accepted into this course.

Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Pass/Honours Duration in Years	
		Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Landscape Architecture, <i>see also Architecture</i>	Architecture	3380		BLArch		4/4	
Landscape Design	Architecture		5210		GradDip		2
Law	Law						
Arts/Law		4760		BA LLB		5/6-7	
Commerce (Accounting, Finance and Systems)/Law		4730		BCom LLB		5/6	
Commerce (Economics)/Law		4740		BCom LLB		5/6	
Commerce (Industrial Relations)/Law		4750		BCom LLB		5/6	
Commerce (Marketing)/Law		4710		BCom LLB		5/6	
Science/Law		4770		BSc LLB		5	
Jurisprudence/Law		4780		BJuris LLB		5	
Jurisprudence		4720		BJuris		3	
Law		4790	4790	LLB	LLB	3	6
Librarianship	Professional Studies	8920	8920	MLib	MLib	1	2
		5590		DipLib		1	
Marine Science	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/9
Marketing	Commerce	3490	3490	BCom	BCom	3/4	6/7
		2530	2530	MCom(Hons)	MCom(Hons)	2	3
		8470	8470	MCom	MCom	2	3
Mathematics	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9
	Arts	3400		BA		3/4	
			8160		MA		2
	Science	8740	8740	MMath	MMath	1	2
Mechanical Engineering	Engineering		3680		BE		6/6
		3680	3690‡	BE	BSc(Eng)‡	4	6‡
		8540	8540	MEngSc	MEngSc	1	2
Medicine, <i>see also Cellular Biology, Chemistry, Clinical Studies, Community Medicine, Human Behaviour, Human Structure and Function, Medical Science, Obstetrics and Gynaecology, Paraclinical Science, Physics, Psychiatry</i>	Medicine	3800		MB BS		5	
Metallurgy	Applied Science	3120	3130	BSc	BSc(Tech)	4/4	6
		8050	8050	MAppSc	MAppSc	1	2
Metallurgical Process Engineering, <i>see also Metallurgy</i>	Applied Science	3180		BE		4/4	
Microbiology, <i>see also Paraclinical Science</i>	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9
	Medicine	3810		BMedSc		*	

‡No new enrolments are being accepted into this course.

*See Faculty of Medicine Handbook for details.

Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Duration in Years	
		Full-time	Part-time	Full-time	Part-time	Pass/Honours	Full-time Part-time
Military Studies, see also Electrical Engineering							
Mineral Exploration, see also Geology	Applied Science	8090	8090	MAppSc	MAppSc	1	2
Mineral Processing**, see also Mining Engineering	Applied Science		4220**		BSc(Tech)**		6
Mining and Mineral Engineering, see Mining Engineering	Applied Science	5040	5040	GradDip	GradDip	1	2
Mining Engineering	Applied Science	3140 4190**	4210** 4200**	BE BE**	BSc(Eng)** BE**	4/4 4/4**	6** 7/7**
Naval Architecture	Engineering		3700 3710‡		BE BSc(Eng)‡		6/6 6‡
Nuclear Engineering	Engineering	8550	8550	MEngSc	MEngSc	1	2
Obstetrics and Gynaecology	Medicine	3800		MB BS		5	
Optometry	Science	3950 8760	8760	BOptom MOptom	MOptom	4 1	 2/3
Organizational Behaviour	Commerce	2520	2520	MCom(Hons)	MCom(Hons)	2	3
Paediatrics	Medicine	3800		MB BS		5	
Paraclinical Science	Medicine	3800		MB BS		5	
Pathology, see also Paraclinical Science, Clinical Studies	Medicine	3810		BMedSc		*	
Pharmacology, see Paraclinical Science, Medical Science							
Philosophy	Arts	3400 8190	8190	BA MA	MA	3/4 1	 2
Physics	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/9
	Science	8730	8730	MPhysics	MPhysics	1	2
	Medicine	3800		MB BS		5	
Physiology, see also Cellular Biology, Human Structure and Function	Medicine	3810		BMedSc		1	
	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9
Political Science	Arts	3400		BA		3/4	
Polymer Science, see Chemical Technology							
Psychiatry	Medicine	3800		MB BS		5	

**Available at Broken Hill only.

*See Faculty of Medicine Handbook for details.

‡No new enrolments are being accepted into this course.

Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Duration in Years	
		Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Psychology	Biological Sciences	3430		BSc		4	
		8250	8250	MPsychol	MPsychol	1½	3
	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9
	Arts	3400		BA		3/4	
Public Administration	AGSM	8360		MPA		2	
Pure and Applied Chemistry, <i>see also Chemistry</i>	Science	3910	3910	BSc	BSc	6	8
Russian	Arts	3400		BA		3/4	
Science and Society	Science		8780		MScSoc		2
Science/Civil Engineering	Board of Studies in Science and Mathematics	3730		BSc BE		6	
Science/Electrical Engineering	Board of Studies in Science and Mathematics	3970/3640		BSc BE		6	
Science/Law	Board of Studies in Science and Mathematics	4770		BSc LLB		5	7
Science/Medicine	Medicine		3820		BSc MB BS		6/7
Science (Medicine)	Medicine		3830		BMedSc		1/1
Social Work	Professional Studies	4030		BSW		4	
		8930	8930	MSW	MSW	1	2
Sociology	Arts	3400		BA		3/4	
Spanish and Latin American Studies	Arts	3400		BA		3/4	
Statistics, <i>see also Econometrics and Mathematics</i>	Science	8750	8750	MStats	MStats	2	4
Surgery, <i>see Clinical Studies</i>							
Surveying	Engineering	3740	3750§	BSurv	BSurv§	4	6/7§
		8650	8650	MSurvSc	MSurvSc	1	2
Textile Technology	Applied Science	3170		BSc		4/4	
Town Planning	Architecture	3360		BTP		5/5	
Transport	Engineering	5460	5460	GradDip	GradDip	1	2
Transport and Highways	Engineering	8600	8600	MEngSc	MEngSc	1	2
Wool and Pastoral Sciences <i>Education Option</i>	Applied Science	3220		BSc		4/4	
		3210		BSc		4/4	
		5080	5080	GradDip	GradDip	1	2
Zoology	Board of Studies in Science and Mathematics	3970	3970	BSc	BSc	3/4	7/8-9

§May be taken either as a four year full-time course or in a sandwich form which may be completed within a maximum period of seven years.

Summary of Disciplines of the University

For details of the disciplines within each faculty consult the relevant faculty handbook.

Faculty of Applied Science

Applied Geology, see Geology

Chemical Engineering

Chemical Engineering is the application of the principles of the physical sciences and of economics and human relations to fields in which matter undergoes change. The course in Chemical Engineering (3040) leads to the award of the BE degree by full-time and part-time study. It allows specialization in Biological Process Engineering and in Fuel Engineering. Biological Process Engineering is an extension of chemical engineering principles to systems involving biological materials. Fuel Engineering involves the practical and economic applications of science and engineering to the production, processing and utilization of fuels and energy. The first year courses in Chemical Engineering are similar to first year of the Science and Mathematics course (3970) and transfer in either direction can usually be arranged at the end of first year without loss of standing.

There are several formal graduate courses: the Master of Applied Science courses in Bioprocess Engineering (8000), Chemical Engineering (8010), Environmental Pollution Control (8040), Fuel Technology (8060), and Industrial Pollution Control (8080); and a Graduate Diploma course, in Corrosion Technology (5010).

Chemical Technology

Chemical Technology is the discipline which translates the work of the research chemist into the activities of the chemical industry. It is concerned with the selection of the most suitable chemical process for converting available raw materials into the desired product and with the application of the selected process in the most economical way in terms of energy, manpower and money. There are two courses: Ceramic Engineering (3020 full-time BSc) and Ceramics (3030 part-time BSc(Tech)), covering the development, production and application of chemically inorganic materials (except metals and alloys), which are normally rendered serviceable through high temperature processing; and Industrial Chemistry (3100 full-time BSc and 3110 part-time BSc(Tech)), concerned with the development and use of inorganic and organic industrial chemicals and the special class of materials called macromolecules, eg plastics and elastomers.

There is a formal graduate course in Chemical Technology (8005), leading to the award of Master of Applied Science degree.

Food Technology

Food Technology is concerned with securing optimum quality and quantity of the food supply. It is an interdisciplinary science with applications from areas of chemistry, biochemistry, biological technology, microbiology, agriculture, engineering, nutrition and commerce. There are full-time and part-time courses, leading to the award of the BSc (3060) and the BSc(Tech) (3070) degree respectively. First year courses in Food Technology are similar to first year of the Science and Mathematics course (3970) and transfer in either direction can usually be arranged at the end of first year without loss of standing.

There are two formal graduate courses: the Master of Applied Science course in Food Technology (8030) and a Graduate Diploma course in Food Technology (5020).

Geography

Geography is the study of variations from place to place on the earth's surface arising from the spatial phenomena which make up man's world. The applied geography programs in Applied Science (3010) are designed to train professional geographers in the conservation and planned development of resources, in environmental management, and in investigations related to the spatial organization of human activities, especially within urban systems. Specializations offered are Biogeography and Bioclimatology, Geomorphology and Pedology, and Economic Geography.

Geography is also a major sequence in the Arts course (3400), where the emphasis is on the study of where and how man lives and of his activities in relation to his environment. A major sequence in the Science Course (3970) studies the relationships between man and his physical environment, combining geographical studies, particularly in physical geography, with those in related disciplines, notably the biological and earth sciences.

Geology

Geology is the science of the earth's crust, its history, composition and the processes involved in the evolution of its present structure. The Applied Geology BSc degree course (3000) proceeds from basic geological science to instruction in practical application with such topics as Geomechanics, Exploration and Mining Geology, Engineering Geology, Exploration Geophysics, and Petroleum Geology. Geology is a major study in the Science and Mathematics course (3970) and a minor study in the Arts Course (3400).

There are three formal Master of Applied Science degree courses: in Engineering Geology—Hydrogeology—Environmental Geology (EHE) (8020), Applied Geophysics (8070) and Mineral Exploration (8090).

Metallurgy

Metallurgy is concerned with the application of scientific and engineering principles to the production and use of metals. It is an applied science and can be regarded as

a combination of pure science (in which the aim is to investigate the fundamental nature of metals and the reactions in which they take part), and engineering (in which the aim is to design and operate processes and produce materials to serve man's needs).

There are three undergraduate courses, two full-time, in Metallurgy (3120) and in Metallurgical Process Engineering (3180) leading to the award of the BSc and the BE degree respectively; and one part-time in Metallurgy (3130), leading to the award of the BSc(Tech) degree.

Metallurgy programs may also be taken in the Board of Studies in Science and Mathematics. The programs are: 0401 Physical Metallurgy, 0402 Chemical Metallurgy and 0403 Metallurgy Double Major. These programs and those metallurgy subjects which may be taken as electives in other programs are set out in the Combined Sciences Handbook. A Physical Metallurgy and Chemistry option is also available as part of the BSc BE combined degree program in Civil Engineering (see the Faculty of Engineering Handbook).

There is also a formal graduate course in Metallurgy (8050), leading to the award of the Master of Applied Science degree.

Mining Engineering

Mining Engineering is a branch of engineering concerned with the exploration, assessment, development and management of mining operations. The full-time course in Mining Engineering (3140) leading to the award of the BE degree, part-time courses (4200 and 4210) leading to the award of the degrees of BE and BSc(Eng) respectively, and the part-time course in Mineral Processing (4220) leading to the award of the BSc(Tech) degree, prepare students for careers in the coal mining, metalliferous mining, quarrying or the petroleum industry. The part-time courses are available at Broken Hill only.

There is a formal graduate course in Mining and Minerals Engineering (5040), leading to the award of a Graduate Diploma.

Textile Technology

The Textile Technology course (3170), leading to the award of the BSc degree, is essentially a study of the basic sciences and engineering, together with a broad training in the whole range of textile sciences and technologies. Students can specialize in textile chemistry, textile physics, textile engineering or textile manufacture. First year is similar to that of Science (3970) and Electrical Engineering (3640), and transfer can usually be arranged in either direction at the end of the first year without loss of standing.

Wool and Pastoral Sciences

The Wool and Pastoral Sciences BSc degree course (3220) provides training for specialist personnel in the pastoral industry. Initially there is a study of the basic sciences, and then of Plant Sciences, Animal Production,

Wool Science, Agricultural Economics and Management, Genetics, Biostatistics, Ruminant Nutrition, Physiology, Biochemistry, Rural Extension and Animal Health.

There is also a BSc degree course in Wool and Pastoral Sciences (Education Option) (3210), which provides tertiary training for teachers of sheep husbandry and wool science and agriculture in High Schools and Colleges.

A formal graduate diploma course in Wool and Pastoral Sciences (5080) is available.

Faculty of Architecture

Architecture is concerned with the arts and sciences which govern the design and construction of buildings and the modification of the environment.

Architecture

For students who seek registration and professional recognition, the School offers the Bachelor of Architecture degree course (3270/3280); for those who wish to specialize in a particular field of architecture the School offers the Bachelor of Science (Architecture) degree course (3270/3290). Both courses are available on a semester basis.

There is one formal graduate course: the Master of Science (Acoustics) (8100).

Building

Building is one of the five schools of the Faculty of Architecture. The Bachelor of Building degree course (3330 offered on a semester basis) provides training for future managers and executives in the building industry. There is a formal graduate course, the Master of Science (Building) (8110).

Graduate School of the Built Environment

The Graduate School provides opportunities for teaching, investigation, study and research at the post-professional level in those multi-disciplinary and interdisciplinary areas concerned with the creating and managing of the built environment and undertakes relevant environmental work in the community, either alone or in co-operation with other bodies.

The main work of the School is in the fields of research and higher degree research training at both masters and doctoral levels, and the School makes available to research students a resource facility covering a wide spectrum of relevant disciplines in which students can follow a largely self-determined program of study, research and practice.

In addition to the research degrees of Doctor of Philosophy (PhD) (1120) and Master of Architecture (MArch) (2200), the School offers courses leading to the award of the degrees of Master of Science (Acoustics) (MSc(Acoustics)) (8100) and Master of the Built Environment (Building Conservation) (MBEnv) (8130).

Industrial Arts

Industrial Arts is a subject area which studies the relationship between man and his material environment in the creation and production of artefacts. It is thus concerned with the design and production of material objects which are both useful and beautiful.

The full-time Bachelor of Science (Industrial Arts) Diploma in Education course (3320) provides a broad education which embraces the natural and social sciences, technological studies, education, general studies and the arts. On completion of the degree, graduates are eligible to become certificated by the NSW Department of Education as four-year trained teachers. A graduate diploma course in Industrial Design (5220) is available to qualified persons wishing to become professional industrial designers in the product design field.

Landscape Architecture

Landscape Architecture is a professional discipline which has grown out of our need to make wise use of our resources, including the natural and man-modified landscape. The degree course in Landscape Architecture (3380) develops a systematic approach to landscape design through understanding of the natural sciences and man's material and spiritual relationship to the world about him. The School of Landscape Architecture also offers a formal graduate course in Landscape Design (5210), leading to the award of a Graduate Diploma.

Town Planning

The Bachelor of Town Planning degree course (3360) is oriented towards the needs of government and local government planning agencies. Graduates work towards the creation of a better urban environment and towards determining the best use of land at national, regional and local levels. There is a formal graduate diploma course in Housing and Neighbourhood Planning (5200).

Drama

Drama courses offered within the Faculty of Arts are not primarily intended to equip a student for the profession of theatre. Whereas the National Institute of Dramatic Art, established on the campus of the University, is concerned with vocational training, the School of Drama is concerned with the history and evaluation of the theatre arts. Practical work is undertaken in the School, not in order that students may achieve proficiency as actors or directors, but in order that they may acquire a fuller understanding of the theatre.

English

The English courses are designed to suit not only candidates for Honours and pass students taking a major for the Arts degree but also those wishing to study the subject for only one or two years. The Honours program and the pass 'major' cover the main periods and most of the great writers of English literature, with some representation of Australian and American authors. Old and Middle English are not compulsory except for the Honours candidate in the later years. Both first-year subjects (1A and 1B) include introductory study of Language; and students may, if they wish, take further work in Language in the later years. A formal graduate course (8170) is also offered, leading to the award of an MA degree at pass level. The graduate degrees of MA at honours level (2280) and Doctor of Philosophy (1200) are also obtainable, but only by research.

French

The French course covers language, literature and thought, and civilization and society. Almost all teaching is done in tutorials, where French is used whenever possible. The study of literature, in which intellectual content is considered as well as aesthetic quality, is closely integrated with courses on French social and political history. A system of options makes it possible for students to select areas which interest them, and to do a preponderance of work in either language or literature.

The School also offers a formal graduate course (8210), leading to the award of an MA degree at pass level.

German

The School of German offers a wide range of subjects in German language, literature, history and culture, linguistics and medieval language and literature, designed for students both with and without previous knowledge of the language. The basic aim of all subjects is to introduce students to the reality of a European culture and society, so that they may be able to make productive comparisons with their own, and a range of subjects is offered to students who do not wish to embark on a study of the language. A formal graduate course (8200) is also offered, leading to the award of an MA degree at pass level.

Faculty of Arts

All the disciplines in the Faculty of Arts constitute major sequences for the award of the Bachelor of Arts degree (3400).

History

The History course is concerned with aspects of modern history: Asian, Australian, British, European and American. Concurrently it deals with approaches to problems of historical explanation, and with techniques for dealing with source materials. A formal graduate course (8180) is also offered, leading to the award of an MA degree at pass level.

History and Philosophy of Science

Science has been among the most powerful forces for social and cultural change which the world has seen. The discipline of History and Philosophy of Science seeks an understanding of the nature of scientific knowledge, its development from ancient beginnings to the present time and the cultural, socio-economic and political impact of science and technology on industrial and post-industrial societies. Although the courses offered provide a training in the autonomous discipline of History and Philosophy of Science, they can also provide an additional dimension to other major sequences in Arts, Sciences, and Professional Studies, where an understanding of the nature of science and its social dimensions is being increasingly recognized as an important preparation for life in modern society.

History and Philosophy of Science can be taken as a major sequence in the Science course (3970) as well as in Arts (3400). It can also be taken as part of the Science (Education) course (4060).

Philosophy

Philosophy is an attempt to sum up the world and our knowledge of it, approaching in a spirit of inquiry such fundamental problems as the foundations of morality, the grounds of religious belief, the source and reliability of knowledge and the relation of body and mind. While not of practical value in a vocational sense, except for those who wish to become university teachers, philosophy illuminates most other disciplines because of the critical attitude it engenders, in particular in theology, mathematics, history, politics, psychology and aesthetics. Philosophy is also a minor study in the Science course (3970).

A formal graduate course (8190) is also offered, leading to the award of an MA degree at pass level.

Political Science

Political Science is the study of political ideas, institutions and activity. As the study of one area of society, the political area, it is closely linked with other social sciences: history, sociology, economics and with philosophy and law. Its complexity is indicated by its various branches: Political Institutions, Political Theory, Comparative Government and Politics, International Relations and Political Sociology. The first year of the BA degree course is devoted mainly to the Australian system and to some comparative governments, and later years to comparative government, political theory and international rela-

tions. As the subject contains much that is controversial, training is also provided in the techniques of critical appraisal and political analysis. Some units in Political Science can be taken by Commerce and Law students.

Russian

The School of Russian offers courses in the language, literature, history and culture of the Russian people. The period covered is from the eleventh century to the present day.

Sociology

Sociology is concerned with the study of the structure of society as a whole and social relations in general. Its subject matter is diverse, overlapping not only with that of other social sciences—economics, politics, psychology and anthropology—but also with the subject matter of other disciplines—philosophy, history, medicine, the natural sciences, town planning, law and education. The major emphasis in the course is the development, first, of a critical awareness of society and of sociological theory and, second, of a sociological imagination.

Spanish and Latin American Studies

Major sequences in Spanish and Latin American Studies are available for native and non-native speakers of Spanish. For students with no prior knowledge of the language emphasis is placed on intensive oral and written work in all subjects in their sequence. Both native and non-native speakers study aspects of the history and literature of Spain and Latin America in the first two years of the sequence; in the third year students may specialize in Latin American historical or in Spanish and Latin American literary studies; studies in Spanish linguistics are also available to native speakers. The School offers three Upper Level subjects in Latin American history for students with no knowledge of Spanish who have completed a first-year subject in one of the social sciences. One or two of the subjects may be included in a sequence within the School of History.

Faculty of Biological Sciences

Biochemistry

Biochemistry is a study of the chemical processes of living organisms, and requires a background of biology and chemistry and, to a lesser extent, of mathematics and physics. Biochemistry in turn is an essential element in the study of all disciplines in the Faculty of Medicine, and in biological technology, botany, microbiology and

zoology. Biochemistry is a major sequence in the Science and Mathematics course (3970). Medical students may also interrupt their course to specialize in Biochemistry for the award of the additional degree of Bachelor of Science (Medicine) (3830). In addition a limited number of medical students may undertake a BSc degree course with a major in Biochemistry and minimal requirements in Anatomy and Physiology, before proceeding to Year 3 of the Bachelor of Science (Medicine) (3820) degree course.

Biological Technology

Biotechnology is a well-established area of study concerned with the applications of some of the biological sciences (in particular, biochemistry, microbiology and genetics) to industry, agriculture and medicine.

It is an interdisciplinary field and draws not only upon the techniques and methodologies of the relevant biological sciences but also upon those of mathematics, computing science, the physical sciences and engineering. A major sequence in Biotechnology can be associated with biochemistry, chemistry and microbiology, and with other subjects in the Science course (3970). Particular aspects of biotechnology are included in the electrical engineering, food technology and industrial chemistry courses. Formal graduate courses are offered to graduates with a diversity of backgrounds; these courses are the Graduate Diploma in Biochemical Engineering (offered conjointly with the School of Chemical Engineering) (5320), the Graduate Diploma in Biotechnology (5340), and the Master of Science (Biotechnology) course (8260). Various graduate level subjects can be included in the Graduate Diploma in Current Science (5520) programs.

Botany

Botany is concerned with all aspects of the structure and function of both green and non-green plants and the relation of plants to their environments. The major aspects of the subject range from plant anatomy and morphology through genetics, biochemistry, physiology, ecology, taxonomy and palynology to mycology and plant pathology. The applications of these studies are particularly relevant in the fields of agriculture, horticulture, forestry, conservation and related environmental sciences.

Botany may be taken as a major or a minor study in the Science and Mathematics course (3970).

Microbiology

Microbiology is the science that is concerned with the nature and behaviour of microscopic and sub-microscopic life forms known as fungi, bacteria and viruses. These microorganisms may affect man's way of life in many ways; some are the causative agents of human, animal and plant diseases; many are important in agriculture; while others are used in the production of a variety of foods and beverages. In some areas of the

subject the study of immunology is important to an understanding of the ways in which man and animals may combat or avoid microbial diseases. Microbiology may be taken as a major or a minor study in the Science and Mathematics course (3970), and medical students may specialize in it in the Bachelor of Science (Medicine) course (3810). The subject is also a component of the medical and biological technology courses, and of the food technology and other Applied Sciences courses.

Psychology

Psychology, as the scientific study of behaviour, has application in several areas such as clinical, correctional, educational, and industrial. The core course covers learning and motivation, the social bases of behaviour and personality, cognitive psychology and research methods. There is some choice in the supporting courses to allow for special interests to be developed. The four-year professional program leading to the award of the degree of Bachelor of Science in Psychology (3430) prepares students for specialized practice as psychologists. Psychological practice is also possible for students who have taken the four-year Psychology Honours program in the Science and Mathematics course (3970) or the four-year Psychology Honours course in Arts (3400). Science or Arts students not wishing to specialize may take courses in psychology at the pass level.

There is also a formal graduate course (8250), leading to the award of the Master of Psychology degree.

Zoology

Zoology is the study of the structure, function, classification, genetics, evolution, habits and distribution of animals and their relationship to each other and to the environment. The courses leading to a science degree in Zoology are dependent on an adequate background in Biometry and Biochemistry. A major is usually taken in general Zoology in the Science and Mathematics course (3970) but provision is made for specialization in Vertebrate Biology, Invertebrate Biology, Marine Ecology or Entomology. Zoology may also be taken as a minor study in the Science and Mathematics course (3970).

Faculty of Commerce

Accountancy

Accountancy is concerned with the provision of information for the management of economic resources and activities. The full-time and part-time courses in Accounting, Finance and Systems, leading to the award of the degree of Bachelor of Commerce in Accountancy (3510),

are complemented by concurrent studies in law, economics, information systems and finance. Students may qualify for professional recognition in accountancy, and by their selection from a wide range of electives acquire an additional specialization in information systems, finance or business administration.

The subject, Accounting and Financial Management, is an element in the courses in Economics (3530), Economic History (3590), Econometrics (3560), combined Economics/Econometrics (3580), Industrial Relations (3550), and Marketing (3490). Accounting and Financial Management is also one of the specializations in the combined Commerce/Law course (4730).

There are two formal graduate courses, the Master of Commerce (Honours) (2630), which involves both research and course work and the Master of Commerce (8470), which is confined to course work.

Economics

Economics is the study of how economic systems work and of the general economic principles that emerge. While economic theory may be studied in isolation, its applications must take account of political, social, legal and moral constraints and implications. Both theory and applications are considered in all the specializations offered by the School of Economics. There are full-time and part-time courses leading to the award of the degree of Bachelor of Commerce in Economics (3530), Econometrics (3560), Economics/Econometrics (3580), Economic History (3590) and Industrial Relations (3550). Economics is also a major study in the Arts course (3400). The School also offers a full-time course leading to the award of the Bachelor of Commerce Diploma in Education in Economics (3535) or Economic History (3595). There are full-time courses leading to the award of the combined degree of Bachelor of Commerce/Bachelor of Laws in Economics (4750) and in Industrial Relations (4750).

There are several formal graduate courses: the Master of Commerce (Honours) by research and course work in Economic History (2590), Econometrics (2600), Economics (2640) and Industrial Relations (2540); and the Master of Commerce by course work alone (8470).

Marketing

Marketing is a management discipline concerned with the study of exchange processes involving organizations and individuals. The techniques of other disciplines such as accountancy, economics, mathematics, sociology and psychology all contribute to it. The School of Marketing offers full-time and part-time courses (3490), leading to the award of the degree of Bachelor of Commerce. As the first year courses in Accounting and Financial Management, Economics and Marketing are similar transfers can usually be arranged at the end of first year without loss of standing. The School also offers a full-time course leading to the award of the combined degree of Bachelor of Commerce/Bachelor of Laws in Marketing (4710).

There are two formal graduate courses: the Master of Commerce (Honours) (2530) by research and course work and the Master of Commerce (8470) by course work alone.

Faculty of Engineering

There are four Schools offering undergraduate courses: the Schools of Civil, Electrical, Mechanical and Industrial Engineering and Surveying. Students may obtain their engineering degree by full-time study, leading to the Bachelor of Engineering or Bachelor of Surveying; by part-time study, leading in most cases to the award of the degree of Bachelor of Science (Engineering); or by a combination of full-time and part-time study. In the Schools of Electrical and Mechanical and Industrial Engineering the content of the respective BE and BSc(Eng) courses is basically similar. All courses are accorded professional recognition.

The School of Nuclear Engineering, the School of Transport and Highways and the Centre for Biomedical Engineering offer graduate courses only. The Graduate School of Engineering co-ordinates the graduate activities of all the engineering schools. The Master of Engineering Science or Master of Surveying Science is a faculty-wide degree available through all six schools of the Faculty. It allows for flexibility of choice between formal course work and research, together with the possibility of interdisciplinary studies, and includes thirty different areas of specialization. The Faculty also offers a Graduate Diploma course in Human Communication (5440).*

Civil Engineering

The profession of civil engineering is concerned with the conception, design, construction and operation of works performed for the use and convenience of man. The undergraduate course leading to the award of the BE (2620) degree covers the essential engineering and science subjects which give a strong background in engineering principles and practice, including: structural, water, environmental, materials, foundation, transportation and systems engineering; engineering economics; construction and project management. It may be taken full-time, part-time or by a combination of the two. Selected students may undertake a five-year full-time course

*In 1976 a new set of faculty-wide regulations for graduate diplomas was introduced. These provide for interdisciplinary study in the new graduate diploma course in Engineering Developments (5470), and for more flexibility in the graduate diploma courses in Highway Engineering, Human Communication, Industrial Engineering and Transport. Students are advised to consult the Faculty of Engineering Handbook.

(3730) leading to the award of the combined degree of Bachelor of Science Bachelor of Engineering. There is a formal graduate course leading to the award of the degree of Master of Engineering Science (8610).

Electrical Engineering

The nature of the study is indicated by the names of the departments of the School: Communications, Computing Science, Electric Power Engineering, Solid State Electronics, and Systems and Control. There are four degree courses: the full-time BE (3640), the part-time BSc(Eng) (3650), and the two double degrees of BSc BE and BA BE. Electrical Engineering is closely linked with the pure sciences, and the double degree of BSc BE may be obtained by one extra year of full-time study. The BA BE (3720) degree course involves the normal BE program with minor omissions, and includes eighteen approved subjects from the Faculty of Arts. Electrical Engineering, specifically Computer Science, is also a major or minor study in the Science and Mathematics course (3970) and the BA degree course (3400). There is one formal graduate course leading to the award of the degree of Master of Engineering Science (8500).

Mechanical and Industrial Engineering

The School offers courses leading to the award of the BE degree full-time and the BSc(Eng) degree part-time in: Aeronautical Engineering (3610 and 3600), Industrial Engineering (3660 and 3670), Mechanical Engineering (3680 and 3690) and Naval Architecture (3700 and 3710). The emphasis in these courses is on the dynamic and thermodynamic aspects of the behaviour of a wide range of systems. The work of the engineer in all four areas is mutually complementary. There are three formal graduate courses: the Master of Engineering Science in Industrial Engineering (8530) and in Mechanical Engineering (8540), and the Graduate Diploma in Industrial Engineering (5450).

Nuclear Engineering

Nuclear Engineering is concerned with the special engineering, safety and environmental problems arising from the release of energy and the production of radioactive materials in nuclear reactors. It covers the design, assessment, operation, regulation and utilization of reactors for power generation and process heat, and of the associated fuel supply and radioactive waste disposal facilities, with regard to the fundamental nuclear, thermal, hydraulic and structural aspects, and the local and global risk implications.

One formal course leading to the award of the Master of Engineering Science (8550) degree is available. Suitably qualified candidates are accepted for research programs leading to the award of the degrees of Master of Engineering (2700), Master of Science (2785) or Doctor of Philosophy (1670).

Surveying

Surveying includes the fundamental subjects of mathematics, physics and engineering and adds to them the study of geodesy, photogrammetry, astronomy, and land studies. The course is so structured that it may be taken either as a four-year full-time course or in a sandwich form which may be completed within a maximum period of seven years. It is designed to provide the graduate with a wide and informed career choice in surveying and related disciplines. A formal graduate course leads to the award of the degree of Master of Surveying Science (8650).

Transport and Highways

The study of transport in today's world demands a wide ranging interdisciplinary approach. Transport facilities and land use dispositions jointly determine the pattern of traffic activity at local, urban and regional levels. The planning, design, construction and operation of transport systems to accommodate these traffic demands calls for the application of engineering techniques, statistical analysis, land use and transport modelling, economic evaluations and environmental impact studies.

The School of Transport and Highways offers graduate programs leading to the award of the Master of Engineering Science (8600) degree. The School continues to offer graduate diplomas in Highway Engineering (5430) and Transport (5460) and special courses in Transport, Highway Engineering and Traffic Planning and Control.

In addition research degrees are supervised in a wide range of topics in urban and regional planning, transport systems, traffic flow, materials, road design and construction, road maintenance, public transport, terminals and interfaces, land use and transport interaction, environmental problems.

Faculty of Law

Law

Law, as a system of authority and regulation in society, must respond to social needs and changes. The Law School, as well as fulfilling its more traditional role of providing training for professional legal practice, seeks to produce roundly educated men and women ready to adapt to continuing change and sensitive to social issues. The location of the School on the University campus promotes this design by facilitating the necessary interdisciplinary study.

The School offers a full-time course in Jurisprudence/Law (4780), leading to the award of the combined degrees of BJuris LLB, and this provides the most comprehensive legal education. Combined courses are also available in Arts/Law (4760), Commerce (Accounting,

Finance and Systems)/Law (4730), Commerce (Economics)/Law (4740), Commerce (Industrial Relations)/Law (4750), Commerce (Marketing)/Law (4710) and Science/Law (4770). There is also a full-time Bachelor of Laws course (4790) available only to graduates or graduands; and a Bachelor of Jurisprudence course (4720), which does not lead to a professional qualification but which provides a basic knowledge of law by the study of selected legal subjects, plus legally relevant subjects from other faculties. As full-time study of Law is desirable, only one course, the LLB (4790), may be taken part-time, and enrolment in this is limited.

Faculty of Medicine

Within the Faculty of Medicine the nine Schools listed below contribute to the Bachelor of Medicine Bachelor of Surgery course (3800) and also offer graduate courses. The Faculty of Biological Sciences and the Faculty of Science provide courses or components of courses in biochemistry, microbiology, physics and chemistry in the Bachelor of Medicine Bachelor of Surgery course.

Medical students may interrupt their course for one year to specialize in one of the areas of basic medical science for the award of the degree of Bachelor of Science (Medicine) (3830). In the new five year medical course the disciplines listed below are taught in an integrated manner wherever possible.

Anatomy

Anatomy is the science of the macroscopic and microscopic structure of the human body and of its function and development. Anatomy is taught in Cellular Biology, Human Structure and Function and Medical Science in the Bachelor of Medicine Bachelor of Surgery course (3800). Anatomy may also be taken as a major study in the Science and Mathematics course (3970).

Community Medicine

Community Medicine is concerned with the study of community health and with the medical sciences in the community. The subject entitled *Community Medicine* covers: community medicine, family medicine and general practice; health services administration; medical law and ethics; preventive medicine and epidemiology; rehabilitation medicine; human genetics; medical statistics.

The School is responsible for Introductory Clinical Studies and also teaches in Human Behaviour in the Bachelor of Medicine Bachelor of Surgery course (3800).

Medicine

Medicine deals with the diagnosis and treatment of disease and involves history taking, physical examination of patients and the interpretation of symptoms, signs and laboratory data in terms of altered structure and function. Stress is placed on the preventive, social, environmental, genetic and personality factors in disease processes.

The School of Medicine contributes to the teaching of Clinical Studies, Integrated Clinical Studies and Medical Science in the Bachelor of Medicine Bachelor of Surgery degrees course (3800).

Obstetrics and Gynaecology

Obstetrics and gynaecology are the branches of medical science dealing respectively with the management of pregnancy and labour and with the functions and physical problems peculiar to women.

The School teaches the subject entitled *Obstetrics and Gynaecology* and teaches in Clinical Studies in the Bachelor of Medicine Bachelor of Surgery course (3800).

Paediatrics

Paediatrics is the branch of medical science dealing with the study of children: emotional and physical aspects of their development, newborn physiology and disease, paediatric medicine and surgery, and social aspects of paediatrics.

The School teaches the subject entitled *Paediatrics* and teaches in Clinical Studies and Medical Sciences in the Bachelor of Medicine Bachelor of Surgery course (3800).

Pathology

Pathology is the study of the causes and nature of disease processes, including the bodily effects of such processes. The course, which is integrated where applicable with other clinical and paraclinical disciplines in the medical curriculum, covers the principles and mechanisms of disease processes, the pathology of common and major diseases of the various anatomical systems of the body, as well as the principles of clinical-laboratory diagnostic methods. Its subject matter is covered in lectures, tutorial and histopathology classes, and in laboratory and post-mortem demonstrations.

Pathology is taught in Paraclinical Science, Medical Science and Integrated Clinical Studies in the Bachelor of Medicine Bachelor of Surgery course (3800).

Physiology and Pharmacology

Physiology is the study of the manner in which organisms carry on their life processes, and pharmacology an extension of the application of physiological principles to the study of drugs and their action.

Physiology and Pharmacology are taught in Cellular Biology, Human Structure and Function, Paraclinical Science, Medical Science and Integrated Clinical Studies in the Bachelor of Medicine Bachelor of Surgery course (3800).

Psychiatry

Psychiatry is concerned with disorders and diseases of the mind. The course covers in particular the technique of psychiatric examination, mental subnormality, psychoneuroses, psychopathy, affective disorders, schizophrenia, alcoholism and drug addiction, mental illness associated with brain disease, epilepsy, ageing and the mental diseases of the aged, psychotherapy, psychopharmacology, methods of physical treatment, and sociotherapy.

The School teaches the subject entitled *Psychiatry* and is responsible for Human Behaviour in the Bachelor of Medicine Bachelor of Surgery course (3800).

Surgery

The School of Surgery contributes to the teaching of Clinical Studies, Integrated Clinical Studies and Medical Science in the Bachelor of Medicine Bachelor of Surgery degrees course (3800). Common surgical conditions are covered, with emphasis on clinical experience, including the taking of histories, clinical examination of patients and the eliciting of physical signs. Specialized aspects of surgery covered include anaesthesia, orthopaedic and traumatic surgery and the various other surgical specialties.

Faculty of Professional Studies

Education

Undergraduate studies in the School of Education provide part of the teacher education program in several courses: the Bachelor of Science Diploma in Education in Mathematics Education (4070) and Science Education (4080), the Bachelor of Science (Industrial Arts) Diploma in Education (4010) and the Wool and Pastoral Science (Education Option) (3210). The Education subjects in these courses involve foundation studies in the philosophy of education, educational psychology, sociology of education, research methods in education, and methods of teaching and curriculum studies, together with teaching practice.

There are four formal graduate courses, the Master of Education (8910), the Master of Counselling (Education) (8950), the Master of Educational Administration (8960) and the Diploma in Education (5560).

Health Administration

Health Administration requires some degree of proficiency in many disciplines: architecture, law, public health, economics, statistics, political science, management science, psychology and sociology. All of these are necessary in the training of hospital and health service administrators and are provided in the courses offered by the School of Health Administration. There are full-time and part-time (external) courses leading to the award of the degree of Bachelor of Health Administration (4040), and two formal graduate courses: the Master of Health Administration (8900) and the Master of Health Planning (8940).

Librarianship

Librarianship is concerned with all aspects of the selection, acquisition, cataloguing and indexing, storage, dissemination and retrieval of texts. In particular, librarianship seeks to identify, define and analyse theories and sound practices by which to assemble and organize items of recorded knowledge in all media in libraries of every kind in accordance with the information needs of the people who use them. To these ends, the study of librarianship is focused on the problems of materials handling, on methods of indicating the contents of documents, on needs and attitudes of users of information, and on application of information processing technology and management theory. The School of Librarianship offers three formal graduate courses: a Graduate Diploma in Librarianship (5590), another in Archives Administration (5600), and a Master of Librarianship (8920), which provides education in broad areas of specialization beyond the basic professional level.

Social Work

Professional social work is a world-wide occupation and discipline concerned with helping individuals, families, groups, organizations, communities and societies, to deal with social problems, and to develop more satisfying and equitable social conditions generally. The Bachelor of Social Work degree course is a preparation for the professional practice of social work. In this first professional qualification, the student learns a generic or unitary approach to social work practice, but in the final year, the student has the opportunity to choose major and minor concentrations from amongst the social work methods of social casework, social group work, community work, and social welfare administration. An integral aspect of the course is organized learning in the field under the guidance of a field instructor, usually in a social agency. Formal study may be continued by way of the Master of Social Work degree course (8930).

Faculty of Science

The Schools of the Faculty contribute programs to the Science and Mathematics course which lead to the award of the degree of Bachelor of Science. The School of Chemistry also offers a program in Pure and Applied Chemistry leading to the award of the degree of Bachelor of Science (3910) and the School of Optometry offers a course leading to the Bachelor of Optometry (3950). At the graduate level all schools in the Faculty contribute units to the Diploma in Current Science (5520) course. This gives graduates and professional workers in science and science-based disciplines an opportunity to renew acquaintance with the basic aspects of their subject and to learn of the latest developments in it or in some other scientific subject that has become important in their work.

Optometry

Optometry is the art and science of vision care. The School of Optometry offers the Bachelor of Optometry course (3950), the sole course in New South Wales which leads to professional qualification as an optometrist. Students may also take out the double degree of Bachelor of Science/Bachelor of Optometry. One formal graduate course is offered: The Master of Optometry (8760).

Chemistry

Chemistry is an essential part of the background to a wide range of science disciplines. It is the study of matter in respect of its structure at the level of individual atoms and molecules, and of the manner in which such structures can be altered by chemical reactions. A major in chemistry may be taken in the Science and Mathematics course (3970), the Pure and Applied Chemistry Course (3910), and the courses in combined Science/Law (4770) and in Science Education (4080). In the BA degree course in the Faculty of Arts chemistry is offered as a minor study. See also *Industrial Chemistry*. There are two formal graduate courses: the Master of Chemistry (8770) and the Diploma in Food and Drug Analysis (5510).

Mathematics

Mathematics at an abstract level, where the emphasis is on studying and extending the theory, is Pure Mathematics. Other branches (Applied Mathematics, Theoretical and Applied Mechanics, and Statistics) deal with applications of mathematics. Mathematics is basic to the study of all disciplines which use quantitative methods, and to some others of a more qualitative kind. As a consequence, mathematics courses are available in nearly all Faculties of the University and are essential for courses under the control of the Board of Studies in Science and Mathematics, and the Faculties of Engineering, Applied Science and Architecture. Mathematics, of course, is also a discipline in its own right and may be

studied as such or in close combination with other disciplines (eg economic planning, management and environmental studies) either in the Science and Mathematics course (3970) or the Arts course (3400). There are three formal graduate courses: a Master of Mathematics (8740) and a Master of Statistics (8750) offered by the Faculty of Science and an MA degree course (8160) at pass level, offered by the Faculty of Arts.

Physics

Physics is the fundamental natural science, and it provides the basic concepts for the development of many other sciences and of engineering: in the final analysis every area of nature falls within its domain. In this University the chief research interest is directed towards understanding the behaviour of solids. Research is also undertaken in astronomy, atomic physics, biophysics, crystallography, acoustics and solar energy. In addition to the central activities of the School there are two departments. The Applied Physics Department is concerned with the application of physical science to the solution of technological problems, notably in regard to materials and to instrumentation (measurement science). The Theoretical Physics Department is concerned with the refinement, and extension of existing theories and their application to experimental results, as well as with the development of new theories.

As well as the main program of study in physics, programs are also available in applied physics or theoretical physics within the Science and Mathematics Course (3970).

Physics may also be taken as a minor study in this course and in the course in Science Education (4080).

There is one formal graduate course: the Master of Physics (8730).

Australian Graduate School of Management

Graduate courses in management leading to the degree of Master of Business Administration (8350) or Master of Public Administration (8360) are offered by the Australian Graduate School of Management. Normally of two full-time years, these courses provide an environment for a symbiotic relationship between tomorrow's business and public sector managers. The research degree of Doctor of Philosophy is also available. The degree normally involves at least three years of full-time study on a research project. The AGSM also provides continuing education facilities for managers and through activities in this area, maintains close contact with contemporary management. There are three forms of activity: The *Development Program for Managers* which is a residential course broadly designed to prepare executives for the responsibilities of general management; *Short Courses*, on specific topics or functional areas of management in which the School has special expertise; *Seminars*, of a more exploratory nature.

Board of Studies in Science and Mathematics

The Board supervises the Science and Mathematics course (3970) in which programs are offered by the Schools of the Faculty of Biological Sciences, the Schools of the Faculty of Science as well as the following Schools from other Faculties: Applied Geology, Chemical Engineering, Chemical Technology, Geography, Metallurgy (Applied Science); History and Philosophy of Science, Philosophy, Sociology, Political Science (Arts); Economics (Commerce); Electrical Engineering, Mechanical and Industrial Engineering (Engineering); Anatomy, Community Medicine, Physiology and Pharmacology (Medicine); Education (Professional Studies); and the Department of General Studies (Board of Studies in General Education). Additional programs are available in Chemical Physics, Genetics and Marine Sciences.

Board of Studies in General Education

General Studies

A distinctive feature of undergraduate courses in all faculties other than Arts and Law is the inclusion of elective subjects of a general educational character outside the student's field of specialization. Students enrolled in these courses may choose from a wide range of electives in the humanities, social sciences and the arts with opportunity being given for interdisciplinary studies and for students to devise their own program of study in these fields. The General Studies program is designed to give students in the technical, scientific and vocational courses an appreciation of the contributions of the humanities, social sciences and the arts to contemporary thought and, as a result, a fuller understanding of the social context of their own professions.

Graduate courses are available, leading to the award of the degrees of Doctor of Philosophy (1920) and Master of General Studies by research and course work (9100), or by research only (2430).

Professorial Board

Centre for Medical Education Research and Development

The Centre offers graduate studies leading to the award of the Master of Health Personnel Education degree (9000) by formal coursework and project, and a Doctor of Philosophy degree (1840) by research. These studies are directed towards the improvement of both the organization and the teaching in institutions responsible for training students in the health profession. Consequently, participants in this program are usually the teachers of such students.

Identification of Subjects by Number

Each of the subjects taught in the University is identifiable both by number and by name. This is a fail-safe measure at the points of enrolment and examination against a student nominating a subject other than the one intended.

Subject numbers are allocated by the Assistant Registrar, Examinations and Student Records, and the system of allocation is:

1. The School offering a subject is indicated by the number before the decimal point;
2. If a subject is offered by a Department within a School, the first number after the decimal point identifies that Department;
3. The position of a subject in a sequence is indicated by the third number after the decimal point. For example, 2 would indicate that the subject is the second in a sequence of subjects;
4. Graduate subjects are indicated by the suffix G.

As indicated above, a subject number is required to identify each subject in which a student is to be enrolled and for which a result is to be returned. Where students may take electives within a subject, they should desirably be enrolled initially in the particular elective, and the subject numbers allotted should clearly indicate the elective. Where it is not possible for a student to decide on an elective when enrolling or re-enrolling, and separate examinations are to be held in the electives, Schools should provide to the Examinations and Student Record Section in April (Session 1) and August (Session 2) the names of students taking each elective. Details of the actual dates in April and August are set out in the **Calendar of Dates** earlier in this volume.

Those subjects taught in each Faculty are listed in full in the handbook of that Faculty, together with the subject description in the section entitled **Subject Descriptions**.

The identifying numbers for each School are set out below.

School, Department etc	Faculty
1 School of Physics	Science
2 School of Chemistry	Science
3 School of Chemical Engineering	Applied Science
4 School of Metallurgy	Applied Science
5 School of Mechanical and Industrial Engineering	Engineering
6 School of Electrical Engineering	Engineering
7 School of Mining Engineering	Applied Science
8 School of Civil Engineering	Engineering
9 School of Wool and Pastoral Sciences	Applied Science
10 School of Mathematics	Science
11 School of Architecture	Architecture
12 School of Psychology	Biological Sciences
13 School of Textile Technology	Applied Science
14 School of Accountancy	Commerce
15 School of Economics	Commerce
16 School of Health Administration	Professional Studies
17 Biological Sciences	Biological Sciences
18 School of Mechanical and Industrial Engineering (Industrial Engineering)	Engineering
21 Department of Industrial Arts	Architecture
22 School of Chemical Technology	Applied Science
23 School of Nuclear Engineering	Engineering
24 School of Transport and Highways	Engineering
25 School of Applied Geology	Applied Science
26 Department of General Studies	Board of Studies in General Education
27 School of Geography	Applied Science
28 School of Marketing	Commerce
29 School of Surveying	Engineering
30 Department of Organizational Behaviour	Commerce
31 School of Optometry	Science
32 Centre for Biomedical Engineering	Engineering
35 School of Building	Architecture
36 School of Town Planning	Architecture
37 School of Landscape Architecture	Architecture
38 School of Food Technology	Applied Science

School, Department etc	Faculty
39 Graduate School of the Built Environment	Architecture
40 Professorial Board	
41 School of Biochemistry	Biological Sciences
42 School of Biological Technology	Biological Sciences
43 School of Botany	Biological Sciences
44 School of Microbiology	Biological Sciences
45 School of Zoology	Biological Sciences
50 School of English	Arts
51 School of History	Arts
52 School of Philosophy	Arts
53 School of Sociology	Arts
54 School of Political Science	Arts
55 School of Librarianship	Professional Studies
56 School of French	Arts
57 School of Drama	Arts
58 School of Education	Professional Studies
59 School of Russian	Arts
62 School of History and Philosophy of Science	Arts
63 School of Social Work	Professional Studies
64 School of German	Arts
65 School of Spanish and Latin American Studies	Arts
66 Subjects Available from Other Universities	
68 Board of Studies in Science and Mathematics	Board of Studies in Science and Mathematics
70 School of Anatomy	Medicine
71 School of Medicine	Medicine
72 School of Pathology	Medicine
73 School of Physiology and Pharmacology	Medicine
74 School of Surgery	Medicine
75 School of Obstetrics and Gynaecology	Medicine
76 School of Paediatrics	Medicine
77 School of Psychiatry	Medicine
79 School of Community Medicine	Medicine
80 Faculty of Medicine	
85 Australian Graduate School of Management	AGSM
90 Faculty of Law	Law
97 Division of Postgraduate Extension Studies	

Course Outline

Centre for Medical Education Research and Development

The Centre was established by Council in 1973 within the Faculty of Medicine for the purposes expressed in its title.

Regional Teacher Training Centre for Health Personnel

The Centre for Medical Education Research and Development was created in 1972 by agreement between the World Health Organization, the Australian Government and the University of New South Wales. The ultimate goal of the project is to help elevate the standards of medical care, both preventive and curative, in the Western Pacific Region through educational development of health personnel.

The Centre functions at regional level as the Regional Teacher Training Centre (RTTC) for Health Personnel in the Western Pacific Region of the World Health Organization. At the Australian national level the Centre interacts with a wide range of health agencies and educational institutions. At the faculty level the Centre for Medical Education Research and Development (CMERD) provides educational services to the Faculty of Medicine in the University of New South Wales.

It also offers a program of advanced study and research in the field of Health Personnel Education leading to the award of the degree of Doctor of Philosophy.

Master of Health Personnel Education*

The Centre offers a formal course leading to the award of the degree of Master of Health Personnel Education.

9000

Master of Health Personnel Education MHPEd

The course is designed to further the competence of health personnel educators with particular regard to the health care needs of their respective countries. A major emphasis in the course is on student activity, individually and in small groups.

The one year full-time master's degree course may be taken over two years on a part-time basis. All students are required to undertake the eight core courses described below plus eight credit points from Academic Electives and/or Independent Studies. Full-time and part-time candidates are required to undertake an approved six months field project usually in the student's own country and to submit a report on such work.

*The course is administered by the Professorial Board. Details of the conditions for the award of the MHPEd degree appear later in this volume.

Core Courses

<i>Session 1</i>	Hours per week
40.101G Learning and Teaching	2
40.102G Educational Process in Small Groups	2
40.103G Instructional Design	2
40.104G Organization and Management for Health Personnel Education	2
40.106G Teaching Skills	2
	10

Session 2

40.105G Curriculum Planning	2
40.107G Assessment of Students	2
40.108G Program Evaluation and Planned Change	2
	6

Academic Electives

Electives are designed to enable candidates to pursue their own interests or specialties by taking subjects, normally at a graduate level, at the University of New South Wales. Elective subjects are to be chosen by a student in consultation with the Director of the Regional Teacher Training Centre from the graduate subjects offered within the University. When an elective offered by another school is taken, the approval of the Head of that school must be obtained. The following is a list of elective subjects offered by the Centre.

<i>Session 1</i>	Hours per week
40.110G Culture, Subculture and Communication	1
40.115G Educational Selection	1
40.116G Trends in Health Sciences Curricula	1
40.117G Explorations in Personal Learning	2
40.118G Clinical Problem Solving	1
40.120G Production of Audiovisual Materials	1

Session 2

40.501G Interpersonal Process Recall	2
40.113G Evaluation of Instructors	2
40.114G Individual Differences and Individualized Instruction	1
40.119G Clinical Decision Making	1

Independent Studies

Independent Studies are designed to provide opportunities for candidates to pursue interests and areas not adequately addressed by existing subjects. They are particularly recommended for candidates who wish to pursue specific educational problems within their own institutions or disciplines.

40.109G Project

All candidates are required, in addition to formal coursework, to complete a project and project report. This is to be planned while the candidate is at the University of New South Wales. The project may focus on an area of health personnel education relevant to the candidate's professional interests and development and to the furthering of health personnel education.

Subject Descriptions

40.101G Learning and Teaching

A primary focus is on the conditions which are necessary for learning and the responsibilities these imply for teaching. Stages of the learning process are outlined and the important factors in learning are developed within this framework. Class work rests heavily on the experiences of participants which provide a practical framework for the discussion of theories of learning and teaching.

40.102G Educational Process in Small Groups

How people operate as members and leaders of groups. The conditions underlying effective group work in the areas of educational planning, teaching and learning and the provision of health care. Theories of group structure and process; emphasis on experiential learning and field observation of group process.

Improving individual skills in listening, communicating, leading, counselling and consulting and group skills in goal setting, team building, problem solving, conflict resolution and evaluation.

40.103G Instructional Design

Concentrates on application of skills and knowledge gained in 'Curriculum Planning' and 'Teaching and Learning' and the development of the ability to design instruction which is optimum for various learning objectives and conditions. Critical variables in instruction are identified and discussed in relation to their implications for design of instruction. The rationale for choosing and using media in the design principles for instruction and the methods of effective presentation.

40.104G Organization and Management for Health Personnel Education

Designed for students to critically evaluate existing organizational patterns relevant to health personnel education. Emphasis is placed on the participants' experiences as members of organizations and the effect of organizations on their individual performance. Important studies are introduced to explore whether there can be 'ideal' organizational arrangements and management styles. The project work attempts to develop skills in analysing organizations.

40.105G Curriculum Planning

Curriculum theory and its application to the health professions. Professional performance, describing student competencies, identifying a body of knowledge, planning student learning and conducting curriculum evaluation. By the end of Session 2 each student will have developed a sample curriculum package.

40.106G Teaching Skills

The practical aspects of teaching methods. Problems experienced by the candidates in their own situation. Certain theories and principles of learning as they apply to the various teaching methods studied. Emphasis is on micro-teaching (reinforcement, questioning, explaining).

40.107G Assessment of Students

The assessment of student performance in all its aspects, after an introduction to the process, scope and purpose of educational evaluation. The place of student assessment within the curriculum, and the concept of measurement and its requisites, leading to a review of the different types of assessments commonly used by participants to assess student learning in all its domains. The practical aspects of the designing, administration and scoring of such assessments, and attempts to identify ways of improving such procedures. The utilization of test scores and other assessment data in educational decision making.

40.108G Program Evaluation and Planned Change

Aims include **1.** Understanding the role of evaluation in educational planning and development **2.** Understanding the dynamics of planned change in education. **3.** Acquisition of skills in identifying and solving selected educational problems. **4.** Gaining knowledge and skill, viz practical approaches to program evaluation. **5.** Gaining knowledge and skill, viz strategies for planned change.

40.109G Project

May focus on an area of health personnel education relevant to the candidate's professional interests and development and to the furthering of health personnel education.

40.113G The Evaluation of Instructors

An Academic Elective. This seminar pertains to concepts, research and development in the evaluation of instructors. Emphasis on the methods by which evaluative feedback could be provided and used for the purpose of improvement of instruction, and how to increase the effectiveness of feedback in bringing about behavioural changes. It is expected that candidates would acquire skills in the design and use of evaluation instruments which are effective in improving instruction.

40.114G Individual Differences and Individualized Instruction

An Academic Elective. Interest in individual differences of students and their implications for the design of instruction has been expressed by some students. Issues of this nature can be expected to be raised in 40.103G Instructional Design

and this elective aims to allow more in depth study by those who are especially interested in the area. It is suggested that the elective be offered in Session 2 to allow integration with Instructional Design. Topics include: individual differences in cognitive and learning styles, problem solving strategies and their relative importance in students' ability to learn from different types of instruction; the concept of aptitude treatment interactions, and the implications and feasibility of adapting instruction to individual differences.

40.115G Educational Selection

An Academic Elective. A continuing concern of educational institutions is the method used for selection into the institutions. Much of the debate is limited by a lack of awareness of problems such as defining of criteria, measuring factors other than high school performance, establishing relationships between selection measures and performance criteria. Aims to introduce students to these problems and to review attempts elsewhere to expand selection methods. Includes: formal selection procedures (job analysis and definition of competencies, predictor and criteria developments, methods of validation); common instruments used for selection in the medical and health field; development and use of attitude measurements, problems of cross-cultural transfer of selection measures, and innovations in selection for medical education.

40.116G Trends in Health Sciences Curricula

An Academic Elective. Supplements 40.105G Curriculum Planning. Trends in health sciences curricula. Includes: integrated curricula, emphasis on community medicine, introduction of social and behavioural sciences, elective programs, early patient contact, nutrition education, problem-solving approaches and accelerated programs.

Literature in a circumscribed area, dealing with the nature of the trend, factors which determine it, its advantages and disadvantages and pitfalls in implementation. Discussion with specific case studies and personal experiences.

40.117G Explorations in Personal Learning

An Academic Elective. The examination of theoretical and practical aspects of adult learning with the aim of relating research findings to the practicalities of teaching undergraduates. Stress on the exploration of the group's own prior learning experiences and individual responses to classroom events. Aims mainly to increase each participant's understanding of the major factors involved in adult learning and to apply this to his or her own teaching activities, with some stress on the nature of the connections between teaching and learning and the skills required to monitor teaching activities. Topics include: learning environments, the role of the emotions, motivation, the influence of assessment, the effects of different teaching styles, teacher and course characteristics.

40.118G Clinical Problem Solving

An Academic Elective. The nature of problems, and specifically of clinical problems. The reasoning steps in the clinical process, search strategies and the usefulness of models of the process. The value of diagnostic information and the nature of clinical judgement. Aims to expose the clinical, educational and research implications of current studies of the professional/client interaction.

40.119G Clinical Decision Making

An Academic Elective. Investigation, information and the reasoning steps in the process of making clinical decisions. The expected values resulting from different treatment decisions, and the factors affecting such decisions. The sources of subjective and objective probabilities affecting judgement, as well as the professional and social assumptions underlying preferred choices. The implications for current studies of the professional/client interaction.

40.120G Production of Audiovisual Materials

An Academic Elective. Production of software for audiovisual media, especially videotape and tape slide material. Students may work with CCTV and other specialized units within the University. Assessment is based on the audiovisual material produced in the elective.

Graduate Study**Conditions for the Award of Degrees****First Degrees**

Rules, regulations and conditions for the award of first degrees are set out in the appropriate Faculty Handbooks.

For the list of undergraduate courses and degrees offered see **Disciplines of the University: Faculty Table (Undergraduate Study)** earlier in the Calendar.

Higher Degrees

Conditions for the award of the degrees of Doctor of Medicine and Doctor of Philosophy, and masters degrees and graduate diplomas are set out in **Conditions for the Award of Higher Degrees** in the appropriate Faculty Handbooks.

The following is the list of higher degrees and graduate diplomas of the University, together with the publication in which the conditions for the award are published.

For the list of graduate degrees by research and course work, arranged in faculty order, see **Disciplines of the University: Faculty Table (Graduate Study)** earlier in the Calendar.

For the statements **Preparation and Submission of Project Reports and Theses for Higher Degrees and Policy with respect to the use of Higher Degree Theses** see later in this section.

	Title	Abbreviation	Calendar/Handbook
Higher Degrees	Doctor of Science	DSc	Calendar
	Doctor of Letters	DLitt	Calendar
	Doctor of Laws	LLD	Calendar

Title	Abbreviation	Calendar/Handbook
Doctor of Medicine in the Faculty of Medicine	MD	Calendar Medicine
Doctor of Philosophy	PhD	Calendar and all faculties
Master of Applied Science	MAppSc	Applied Science
Master of Architecture	MArch	Architecture
Master of Arts	MA(Hons)	Arts
	MA	Military Studies Arts
Master of Biomedical Engineering	MBiomedE	Engineering
Master of Building	MBuild	Architecture
Master of the Built Environment (Building Conservation)	MEnv	Architecture
Master of Business Administration	MBA	AGSM
Master of Chemistry	MChem	Sciences*
Master of Commerce (Honours)	MCom(Hons)	Commerce
Master of Commerce	MCom	Commerce
Master of Education	MEd	Professional Studies
Master of Educational Administration	MEdAdmin	Professional Studies
Master of Engineering	ME	Applied Science
Master of Engineering without Supervision		Engineering Military Studies
Master of Engineering Science	MEngSc	Engineering Military Studies
Master of General Studies	MGenStud	General Studies
Master of Health Administration	MHA	Professional Studies
Master of Health Personnel Education	MHPed	Calendar†
Master of Health Planning	MHP	Professional Studies
Master of Landscape Architecture	MLArch	Architecture
Master of Laws by Research	LLM	Law
Master of Librarianship	MLib	Professional Studies
Master of Mathematics	MMath	Sciences*
Master of Optometry	MOptom	Sciences*
Master of Physics	MPhysics	Sciences*
Master of Psychology	MPsychol	Sciences‡
Master of Public Administration	MPA	AGSM
Master of Science	MSc	Applied Science
Master of Science without Supervision		Architecture Engineering Medicine Military Studies Sciences*‡
Master of Science (Acoustics)	MSc(Acoustics)	Architecture
Master of Science and Society	MScSoc	Sciences*
Master of Science (Biotechnology)	MSc(Biotech)	Sciences‡
Master of Science (Building)	MSc(Building)	Architecture
Master of Social Work	MSW	Professional Studies
Master of Statistics	MStats	Sciences*
Master of Surgery	MS	Medicine

Title	Abbreviation	Calendar/Handbook
Master of Surveying	MSurv	Engineering
Master of Surveying without Supervision		
Master of Surveying Science	MSurvSc	Engineering
Master of Town Planning	MTP	Architecture
Graduate Diplomas		
Graduate Diploma	GradDip	Applied Science Architecture Engineering Sciences*†‡ Sciences*
Graduate Diploma in the Faculty of Professional Studies	DipFDA DipArchivAdmin DipEd DipLib	Professional Studies

*Faculty of Science.

†Professorial Board.

‡Faculty of Biological Sciences.

Doctor of Science (DSc)

1. The degree of Doctor of Science may be granted by the Council on the recommendation of the Professorial Board for an original contribution (or contributions) of distinguished merit to some branch of Science*.

2. A candidate for the degree of Doctor of Science shall hold a degree of the University of New South Wales or shall have been admitted to the status of such a degree.

A candidate who holds a degree of another approved university may present himself for the degree of Doctor of Science in the University of New South Wales provided that he has been engaged in advanced study and research in the University for a period of not less than four years.

No candidate may present himself for the degree of Doctor of Science until *ten* years after the award of his original degree.

3. The degree shall be awarded on the published work** of the candidate although in special circumstances additional unpublished work may be considered provided that these circumstances are recognised as sufficient by the Professorial Board.

4. A candidate for the degree shall forward to the Registrar an application together with:

- (1) Four copies (wherever possible) of the work referred to in paragraph 3.
- (2) Any additional work, published or unpublished, which he may desire to submit in support of his application.
- (3) A declaration indicating those sections of the work, if any, which have been submitted previously for a degree or other award in any university.

*For these purposes 'Science' includes applied sciences and associated technologies.

**In these rules, the term 'published work' shall mean printed as a book or in a periodical or as a pamphlet readily available to the public. The purpose of requiring publication is to ensure that the work submitted has been available for criticism. The examiners may disregard any of the work submitted if, in their opinion, it has not been available for criticism.

5. Every candidate in submitting his published work and such unpublished work as he deems appropriate shall submit a short discourse describing the research activities embodied in his submission. The discourse shall make clear the extent of originality and the candidate's part in any collaborative work.

6. The discourse and list of published work shall be forwarded by the Registrar to the Research and Higher Awards Committee, who shall recommend to the Professorial Board which Faculty or Board of Studies Higher Degree Committee shall conduct the examination or whether a committee should be appointed by the Professorial Board for the purpose.

7. On receipt of a report from the appropriate committee (that is, the Higher Degree Committee of the appropriate Faculty or Board of Studies or the Committee appointed by the Professorial Board) that the work referred to in paragraph 3. above is *prima facie* worthy of examination, the work shall be submitted to three examiners appointed by the Professorial Board on the recommendation of the committee. The examiners may require the candidate to answer orally or in writing any questions concerning his work.

8. On receipt of the report from the appropriate committee that the work referred to in paragraph 3. is *prima facie* worthy of examination, a candidate shall be required to pay such fees as determined by Council.

1. The degree of Doctor of Letters may be granted by the Council on the recommendation of the Professorial Board for an original contribution (or contributions) of distinguished merit to Letters.

Doctor of Letters (DLitt)

2. A candidate for the degree of Doctor of Letters shall hold a degree of the University of New South Wales or shall have been admitted to the status of such a degree.

A candidate who holds a degree of another approved university may present himself for the degree of Doctor of Letters in the University of New South Wales provided that he has been engaged in advanced study and research in the University for a period of not less than four years.

No candidate may present himself for the degree of Doctor of Letters until ten years after the award of his original degree.

3. The degree shall be awarded on the published work* of the candidate although in special circumstances additional unpublished work may be considered provided that these circumstances are recognised as sufficient by the Professorial Board.

4. A candidate for the degree shall forward to the Registrar an application together with:

- (1) Four copies (wherever possible) of the work referred to in paragraph 3.
- (2) Any additional work, published or unpublished, which he may desire to submit in support of his application.
- (3) A declaration indicating those sections of the work, if any, which have been submitted previously for a degree or other award in any university.

5. Every candidate in submitting his published work and such unpublished work as he deems appropriate shall submit a short discourse describing the work embodied in his submission. The discourse shall make clear the extent of originality and the candidate's part in any collaborative work.

6. The discourse and list of published work shall be forwarded by the Registrar to the Research and Higher Awards Committee, who shall recommend to the Professorial Board which Faculty or Board of Studies Higher Degree Committee shall conduct the examination or whether a committee should be appointed by the Professorial Board for the purpose.

*See this footnote earlier in this section.

7. On receipt of a report from the appropriate committee (that is, the Higher Degree Committee of the appropriate Faculty or Board of Studies or the Committee appointed by the Professorial Board) that the work referred to in paragraph 3. above is *prima facie* worthy of examination, the work shall be submitted to three examiners appointed by the Professorial Board on the recommendation of the committee. The examiners may require the candidate to answer orally or in writing any questions concerning his work.

8. On receipt of the report from the appropriate committee that the work referred to in paragraph 3. is *prima facie* worthy of examination, a candidate shall be required to pay such fees as determined by Council.

Doctor of Laws (LLD)

1. The degree of Doctor of Laws may be granted by the Council on the recommendation of the Professorial Board for an original contribution (or contributions) to legal learning of such merit that it has achieved or is likely to achieve general recognition by scholars in the field.

2. A candidate for the degree of Doctor of Laws shall hold a degree of the University of New South Wales or shall have been admitted to the status of such a degree.

A candidate who holds a degree of another approved university may present himself for the degree of Doctor of Laws in the University of New South Wales provided that he has been engaged in advanced study and research in this University for a period of not less than two years.

Except with the consent of the Professorial Board, no candidate shall present himself for the degree of Doctor of Laws until six years after the award of the original degree.

3. The degree shall be awarded on the published work* of the candidate although in special circumstances additional unpublished work may be considered provided that these circumstances are recognised as sufficient by the Professorial Board.

4. A candidate for the degree shall forward to the Registrar an application together with:

- (1) Four copies (wherever possible) of the work referred to in paragraph 3.
- (2) Any additional work, published or unpublished, which he may desire to submit in support of his application.
- (3) A declaration indicating those sections of the work, if any, which have been submitted previously for a degree or other award in any university.

5. Every candidate in submitting his published work and such unpublished work as he deems appropriate shall submit a short discourse describing the research activities embodied in his submission. The discourse shall make clear the extent of the originality of the candidate's part in any collaborative work.

6. The discourse and list of published work shall be forwarded by the Registrar to the Research and Higher Awards Committee who shall recommend to the Professorial Board whether the Faculty of Law Higher Degree Committee shall conduct the examination or whether a committee shall be appointed by the Professorial Board for the purpose.

7. On receipt of a report from the appropriate committee (that is, the Faculty of Law Higher Degree Committee or the committee appointed by the Professorial Board) that the work referred to in paragraph 3. above is *prima facie* worthy of examination, the work shall be submitted to three examiners appointed by the Professorial Board on the recommendation of the Committee. The examiners may require the candidate to answer orally or in writing any questions concerning his work.

8. Upon receipt of the report from the appropriate committee that the work referred to in paragraph 3. is *prima facie* worthy of examination a candidate shall be required to pay such fees as determined by Council.

*See this footnote earlier in this section.

1. The degree of Doctor of Medicine may be granted by the Council on the recommendation of the Professorial Board for an original and meritorious contribution to some branch of medicine.

Doctor of Medicine (MD) in the Faculty of Medicine

2. A candidate before being eligible for the degree of Doctor of Medicine shall:

Qualifications

(1) hold the degrees of Bachelor of Medicine and Bachelor of Surgery with honours from the University of New South Wales with at least five years' standing; or

(2) hold the degrees of Bachelor of Medicine and Bachelor of Surgery and of Bachelor of Science (Medicine) from the University of New South Wales with at least five years' standing in respect of the degree of Bachelor of Medicine and Bachelor of Surgery; or

(3) if he holds the degrees of Bachelor of Medicine and Bachelor of Surgery with at least five years' standing from the University of New South Wales but without honours, submit for the approval of the Faculty of Medicine (hereinafter referred to as 'the Faculty'), such other evidence in support of his candidature as may be approved by the Faculty; or

(4) hold the degrees of Bachelor of Medicine and Bachelor of Surgery with honours of an approved university other than the University of New South Wales with at least five years' standing and have been associated with the University of New South Wales or one of its teaching hospitals for a period of at least six sessions; or

(5) in other cases, submit such evidence of general and professional qualifications in support of his candidature as may be approved by the Faculty of Medicine on the recommendation of the Faculty Higher Degree Committee.

3. Notwithstanding any other provisions of these conditions the Faculty may require an applicant to demonstrate fitness for candidature by carrying out such work and sitting for such examinations as the Faculty may determine.

4. A candidate may be awarded the degree on the basis of a thesis or on the basis of his published work*.

5. Candidates, other than those who hold the degrees of MB BS of the University of New South Wales shall work under such supervision as the Faculty Higher Degree Committee may determine.

6. The progress of supervised candidates shall be reviewed annually by the Faculty Higher Degree Committee. As a result of such review, and the recommendation of the Head of School or Department in which the candidate is registered, the Committee may terminate the candidature or take such other action as is considered appropriate.

7. Where a candidate elects to proceed to the degree by thesis he shall lodge an application with the Registrar on the prescribed form.

Thesis

8. The thesis shall comply with the following requirements:

(1) if a candidate is not a graduate of the University of New South Wales, the greater proportion of the work described must have been carried out in the University or in one of its teaching hospitals; save that in special cases the Faculty may permit candidates to conduct their work at other places where special facilities not possessed by the University may be available or where the subject of the research is uniquely located. Such permission will be granted only if the candidate spends such period of time within the University and under such supervision as may be determined by the Faculty on the recommendation of the Higher Degree Committee;

(2) it must be an original and meritorious contribution to knowledge of the subject;

(3) it must be written in English and reach a satisfactory standard of expression and presentation;

*See this footnote earlier in this section.

(4) it must consist of the candidate's own account of his research. In special cases work done conjointly with other persons may be accepted provided the Faculty is satisfied on the candidate's part in the joint research.

9. A candidate may not submit as the main content of his thesis any work or material which he has previously submitted for a university degree or other similar award.

10. Four copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses. The candidate may also submit any work he has published whether or not such work is related to the thesis.

11. It shall be understood that the University retains the four copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968 the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

12. All copies of the thesis shall contain a short abstract of the thesis comprising not more than 600 words, which inter alia, shall indicate wherein the thesis has made an original contribution and its significance to medicine.

13. Candidates for the degree, other than graduates of the University of New South Wales, shall present themselves for examination not later than ten academic sessions from the date of their registration. In special cases an extension of time may be granted by the Faculty Higher Degree Committee.

14. There shall normally be three examiners of the thesis, appointed by the Professorial Board on the recommendation of the Faculty, at least two of whom shall be external examiners.

15. After the examiners have read the thesis they may:

- (1) recommend the award of the degree;
- (2) request additional work on the thesis before proceeding with the examination;
- (3) arrange for the candidate to be examined orally or in writing on the subject of the thesis, published work or subjects relevant thereto;
- (4) recommend that the candidate be not awarded the degree of Doctor of Medicine.

16. At the conclusion of the examination, the examiners shall submit to the Faculty a concise report on the merits of the thesis and their recommendations.

Published Work

17. Where a candidate elects to proceed to the degree on the basis of published work he shall forward to the Registrar an application on the prescribed form. With such application the candidate shall forward:

- (1) Four Copies (wherever possible) of his published work;
- (2) A statutory declaration indicating those sections of the work, if any, which have been submitted previously for a degree or diploma in any university.

18. Every candidate in submitting his published work and such unpublished work as he deems appropriate shall submit a short discourse describing the research activities embodied in his submission. The discourse shall make clear the extent of originality and the candidate's part in any collaborative work.

19. There shall normally be three examiners of the work, appointed by the Professorial Board on the recommendation of the Faculty, at least two of whom shall be external examiners. The examiners may require the candidate to answer orally or in writing any questions concerning his work.

20. At the conclusion of the examination the examiners shall submit a concise report to the Faculty on the merits of the published work and their recommendation.

21. A candidate shall be required to pay such fees as may be determined from time to time by the Council.

Fees

1. The degree of Doctor of Philosophy may be granted by the Council on the recommendation of the Professorial Board to a candidate who has made an original and significant contribution to knowledge and who has satisfied the following requirements:

**Doctor of
Philosophy (PhD)**

2. A candidate for registration for the degree of Doctor of Philosophy shall:

Qualifications

(1) hold an honours degree from the University of New South Wales; or

(2) hold an honours degree of equivalent standing from another approved university; or

(3) if the candidate holds a degree without honours from the University of New South Wales or other approved university, have achieved by subsequent work and study a standard recognised by the higher degree committee of the appropriate faculty or board of studies (hereinafter referred to as the committee) as equivalent to honours; or

(4) in exceptional cases, submit such other evidence of general and professional qualifications as may be approved by the Professorial Board on the recommendation of the committee.

3. When the committee is not satisfied with the qualifications submitted by a candidate, the committee may require the candidate, before being permitted to register, to undergo such examination or carry out such work as the committee may prescribe.

4. A candidate for registration for a course of study leading to the degree of Doctor of Philosophy shall apply to the Registrar on the prescribed form at least one calendar month before the commencement of the session in which registration is to begin.

Registration

5. Subsequent to registration the candidate shall pursue a program of advanced study and research for at least six academic sessions, save that:

(1) a candidate fully engaged in advanced study and research for the degree, who before registration was engaged upon research to the satisfaction of the committee, may be exempted from not more than two academic sessions;

(2) in special circumstances the committee may grant permission for the candidate to spend not more than one calendar year of the program in advanced study and research at another institution provided that the work can be supervised in a manner satisfactory to the committee;

(3) in exceptional cases, the Professorial Board on the recommendation of the committee may grant permission for a candidate to be exempted from not more than two academic sessions.

6. A candidate who is fully engaged in research for the degree shall present for examination not later than ten academic sessions from the date of registration. A candidate not fully engaged in research shall present for examination not later than twelve academic sessions from the date of registration. In special cases an extension of these times may be granted by the committee.

7. The candidate shall be fully engaged in advanced study and research, save that:

(1) the committee may permit a candidate to undertake a limited amount of University teaching or outside work which in its judgment will not interfere with the continuous pursuit of the proposed course of advanced study and research;

(2) a member of the full-time staff of the University may be accepted as a part-time candidate for the degree, in which case the committee shall prescribe a minimum period for the duration of the program;

(3) in special circumstances, the committee may, with the concurrence of the Professorial Board, accept as a part-time candidate for the degree a person who is not a member of the full-time staff of the University and is engaged in an occupation which, in its opinion, leaves the candidate substantially free to pursue a program in a school** of the University. In such a case the committee shall prescribe for the duration of the program a minimum period which, in its opinion, having regard to the proportion of the time which the candidate is able to devote to the program in the appropriate University school** is equivalent to the six sessions ordinarily required.

8. Every candidate shall pursue a program under the direction of a supervisor appointed by the committee from the full-time members of the University staff. The work, other than field work, shall be carried out in a school** of the University save that in special cases the committee may permit a candidate to conduct the work at other places where special facilities not possessed by the University may be available. Such permission will be granted only if the direction of the work remains wholly under the control of the supervisor.

9. Not later than two academic sessions after registration the candidate shall submit the topic of research for approval by the committee. After the topic has been approved it may not be changed except with the permission of the committee.

10. A candidate may be required by the committee to attend a formal course of appropriate study.

Thesis

11. On completing the course of study every candidate must submit a thesis which complies with the following requirements:

(1) the greater proportion of the work described must have been completed subsequent to registration for the PhD degree;

(2) it must be an original and significant contribution to the knowledge of the subject;

(3) it must be written in English except that a candidate in the Faculty of Arts may be required by the Faculty on the recommendation of the supervisor to write the thesis in an appropriate foreign language;

(4) it must reach a satisfactory standard of expression and presentation.

12. The thesis must present the candidate's own account of the research. In special cases work done conjointly with other persons may be accepted, provided the committee is satisfied on the candidate's part in the joint research.

**Or department where a department is not within a school.

13. Every candidate shall be required to submit with the thesis a short abstract of the thesis comprising not more than 600 words.

The abstract shall indicate:

- (1) the problem investigated;
- (2) the procedures followed;
- (3) the general results obtained;
- (4) the major conclusions reached;

but shall not contain any illustrative matter, such as tables, graphs or charts.

14. A candidate may not submit as the main content of the thesis any work or material which has previously been submitted for a university degree or other similar award.

15. The candidate shall give in writing two months' notice of intention to submit the thesis.

Entry for Examination

16. Four copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses. The candidate may also submit any work previously published whether or not such work is related to the thesis.

17. It shall be understood that the University retains the four copies of the thesis submitted for examination, and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968 the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

18. There shall normally be three examiners of the thesis appointed by the Professorial Board on the recommendation of the committee, at least two of whom shall be external to the University.

19. At the conclusion of the examination each examiner shall submit to the committee a concise report on the merits of the thesis and shall recommend to the committee that:

- (1) The candidate be awarded the degree without further examination; or
- (2) the candidate be awarded the degree without further examination subject to minor corrections as listed being made to the satisfaction of the head of the school**; or
- (3) the candidate be awarded the degree subject to a further examination on questions posed in the report, performance in this further examination being to the satisfaction of the committee; or
- (4) the candidate be not awarded the degree but be permitted to resubmit the thesis in a revised form after a further period of study and/or research; or
- (5) the candidate be not awarded the degree and be not permitted to resubmit the thesis.

±20. If the performance at the further examination recommended under Rule 19. (3) is not to the satisfaction of the committee the committee may permit the candidate to re-present the same thesis and submit to a further oral, practical or written examination within a period specified by them but not exceeding eighteen months.

**Or department where a department is not within a school.

‡Supersedes clauses published only in the 1980 Combined Sciences, Commerce and General Studies Handbooks.

‡21. The committee shall, after consideration of the examiners' reports and the reports of any oral or written or practical examination, recommend whether or not the candidate may be admitted to the degree.

‡22. A candidate shall be required to pay such fees as may be determined from time to time by the Council.

**Master of Health
Personnel Education
(MHPEd)**

Qualifications

1. The degree of Master of Health Personnel Education may be awarded by the Council on the recommendation of the Professorial Board Committee on Health Personnel Education (hereinafter referred to as the Committee) to a candidate who has satisfactorily completed a program of advanced study*.

An applicant for registration for the degree shall:

2. (1) (a) have graduated from an appropriate four-year full-time undergraduate course in the University of New South Wales or other approved university or tertiary institution at a level of performance acceptable to the Committee; and

(b) have had teaching and/or administrative experience of not less than two full-time years or its equivalent at a level acceptable to the Committee.

(2) In special circumstances a person may be permitted to register as a candidate for the degree if that person submits evidence of such academic, teaching and professional experience as may be approved by the Committee.

(3) Notwithstanding any other provisions of these conditions the Committee may require an applicant to demonstrate fitness for registration by carrying out such work and sitting for such examinations as the Committee may determine.

Registration

3. (1) An application to register as a candidate shall be made on the prescribed form which shall be lodged with the Registrar at least two months before the commencement of the session in which the candidate desires to commence registration.

(2) A candidate for the degree shall be required to undertake such course of formal study and pass such examinations as prescribed by the Committee and to submit a satisfactory report on an approved subject.

(3) Except with the approval of the Committee, no candidate shall be considered for the award of the degree until the lapse of three sessions in the case of a full-time candidate or five sessions in the case of a part-time candidate from the date from which registration becomes effective. The Committee may, in exceptional circumstances, approve remission of up to one session in the case of a full-time candidate and up to two sessions in the case of a part-time candidate.

(4) The progress of a candidate shall be reviewed annually by the Committee and as a result of such review the Committee may terminate the candidature.

Project

4. (1) A project report shall normally be submitted within one year of the completion of the formal section of the course. In special circumstances extensions of time may be granted by the Committee.

(2) The work involved in the project may, with the approval of the Committee, be carried out externally.

‡See footnote, previous page.

*For details, see Course Outline earlier in this volume.

(3) The report shall be under the supervision of a member of the academic staff and shall be examined by two examiners. The satisfactory completion of the project shall be regarded as part of the annual examinations.

5. Consequent upon consideration of the examiners' reports and the candidate's other results in the prescribed course of study, the Committee shall recommend whether the candidate may be admitted to the degree.

Recommendation for
Admission to Degree

6. An approved candidate shall pay such fees as may be determined from time to time by the Council.

Fees

Preparation and Submission of Project Reports and Theses for Higher Degrees

1. (1) Every candidate for the degree of Master in which a *report* on a project is required shall submit two copies, or three copies if a copy is to be lodged in the University Library, of the report either to the Registrar or to the candidate's Head of School. (The schedule set out below gives the requirements in this respect for each degree.)

All copies of the report shall contain a summary of the report of approximately 200 words.

(2) Every candidate for the degree of Master in which a *thesis* is required except Master of Surgery shall submit to the Registrar three copies of the thesis and supporting work, together with a certificate from the supervisor to the effect that the thesis is in a form suitable for submission to the examiner. (The schedule set out below lists the masters degrees for which theses are required.)

All copies of the thesis shall include a summary of approximately 200 words and a certificate signed by the candidate to the effect that the work has not been submitted for a higher degree to any other university or institution.

(3) Every candidate for the degree of Master of Surgery shall submit to the Registrar four copies of the *thesis* and supporting work, together with a certificate from the supervisor to the effect that the thesis is in a form suitable for submission to the examiner. All copies of the thesis shall include a summary of approximately 200 words and a certificate signed by the candidate to the effect that the work has not been submitted for a higher degree to any other university or institution.

(4) Every candidate for the degree of Doctor of Philosophy shall submit to the Registrar four copies of the *thesis* and supporting work, together with a certificate from the supervisor to the effect that the thesis is in a form suitable for submission to the examiner. All copies of the thesis shall contain a short abstract of the thesis comprising not more than 600 words. The abstract shall indicate:

- (a) the problem investigated;
- (b) the procedures followed;
- (c) the general results obtained;
- (d) the major conclusions reached;

but shall not contain any illustrative matter, such as tables, graphs or charts.

(5) Every candidate for the degree of Doctor of Medicine shall submit to the Registrar four copies of the thesis and supporting work, together with a certificate from the supervisor to the effect that the thesis is in a form suitable for submission to the examiner.

All copies of the thesis shall contain a short abstract of the thesis comprising not more than 600 words which *inter alia* shall indicate wherein the thesis has made an original contribution and its significance to Medicine.

The abstract shall indicate:

- (a) the problem investigated;
- (b) the procedures followed;
- (c) the general results obtained;
- (d) the major conclusions reached;

but shall not contain any illustrative matter, such as tables, graphs or charts.

2. The specifications currently approved for higher degree project reports and theses are as follows and any variation must be approved by the supervisor in consultation with the Registrar and the University Librarian:

(1) All copies shall be in double-spaced typescript on one side of the paper only. The paper used shall be of good quality and sufficiently opaque for normal reading.

(2) The size of the paper shall approximate International Standards Organization paper size A4 (297 mm x 210 mm) or the size commonly called quarto except for illustrative material such as drawings, maps and printouts, on which no restriction is placed.

(3) The margins on each sheet shall be not less than 40 mm on the left-hand side, 20 mm on the right-hand side, 30 mm at the top and 20 mm at the bottom.

(4) There shall be a title sheet showing the title, author's name, degree and year of submission.

(5) Pages or leaves shall be numbered consecutively.

(6) Diagrams, charts, etc. must not be submitted on the back of typed sheets. Unless otherwise specifically permitted by the supervisor, diagrams, charts, etc. shall be included, where possible with the text, facing the page on which reference to them is made: otherwise they must be clearly referred to in the text, numbered and folded for insertion in a pocket on the back cover of the thesis binding. All loose material shall be marked with the author's name, initials, and degree for which the work is submitted in such a way that it can readily be linked with the project or thesis. Folded diagrams or charts included in the text shall be arranged so as to open out to the top and left. Photographic prints shall be securely fixed. They shall either be printed on single weight printing paper, preferably not glazed, or mounted on cartridge paper for binding.

(7) Where permission has been obtained for the separate binding of drawings they shall be of International Standards Organization paper size A1 (841 mm x 594 mm) and shall have a margin of at least 40 mm on the left-hand side to permit binding. They shall be bound together by a row of clips on the left-hand side and shall have a clear sheet of drawing paper on top and underneath. On the top sheet shall be printed the words 'The University of New South Wales — of Degree' and a description of the project or thesis, and underneath that, the year of submission. On the bottom right-hand corner should be printed the name of the candidate and the School in which he has worked for the degree. Drawings may be originals on cartridge paper or black and white prints. They should be suitably coloured where appropriate and it will be permissible to add extra work in ink to original drawings.

3. One copy of every thesis and of certain project reports is for deposit in the University Library.

The Library deposit copy shall be presented in a permanent and legible form in original typescript, stencil copy or printed copy. A copy produced by dye line, thermofax or xerographic processes is not acceptable. It shall be bound in boards, covered with buckram. The bound volume shall be lettered on the spine as follows:

- (1) At the bottom and across — UNSW, or if the volume is too thin for this — U
NSW
- (2) 70 mm from the bottom and across, with the degree and year of submission of the thesis, for example — MSc
1970
- (3) Evenly spaced between the statement of the degree and year and the top of the spine the name of the author, initials first and then the surname, reading upwards in one line.

No further lettering or any decoration is required on the spine or anywhere on the binding. In the binding of theses or project reports which include mounted photographs, folded graphs and so on, leaves at the spine shall be packed to ensure even thickness of the volume. The Library copy shall be bound by one of a panel of approved bookbinders, each of whom is aware of the University's requirements. Names of approved bookbinders may be secured from the Higher Degrees Unit.

A completed and signed Declaration Relating to Disposition of Thesis form shall be pasted to the inside of the front cover of the Library-deposit copy. The form may be obtained from the Higher Degrees Unit.

The other copies of the project report or thesis shall be bound in such a manner as allows their transmission to the examiners without possibility of their disarrangement.

4. A project report or thesis and other relevant work may be submitted to the Registrar at any time during the year provided the candidate has completed the minimum period of registration. In order that a successful candidate may have a reasonable chance of having the degree conferred at one of the formal degree-conferring ceremonies, the candidate should arrange for the work to be in the hands of the Registrar at least eighteen weeks prior to the date of such ceremony.

Note: All copies of the project report or thesis to be submitted by the candidate to the Registrar are to be lodged at the enquiry counter of the Higher Degrees Unit, which is located in Room LG08A in the undercroft of the Chancellery.

Schedule

Degrees	Course Code(s)
Degrees for which candidates are required to submit 3 copies of a thesis to the Registrar	1.
Master of Arts <i>at honours level</i>	2450-2400
Master of Architecture	2200
Master of Building	2210
Master of Commerce <i>at honours level</i> — by thesis	2520-2640
Master of Counselling (Education) <i>at honours level</i>	2940
Master of Engineering	2150-2180 2650-2700 2730 2890
Master of Education <i>at honours level</i>	2990
Master of Educational Administration <i>at honours level</i>	2945
Master of Engineering Science — by 36 credit thesis	8500-8630
Master of General Studies — by research	2430

Degrees	Course Code(s)
Master of Health Administration — by research	2960
Master of Landscape Architecture	2220
Master of Laws	2440
Master of Librarianship — by research	2980
Master of Science	2000-2080 2205 2450-2500 2740-2850 2875-2880 2900-2930
Master of Social Work — by research	2970
Master of Surveying	2720
Master of Surveying Science — by 36 credit thesis	8650
Master of Town Planning	2230
2. Degrees for which candidates are required to submit 3 copies of a project report to the Registrar	
Master of Biomedical Engineering	8660
Master of Commerce (old course)	8470
Master of Engineering Science — by 18 credit project	8500-8630
Master of General Studies — by formal study	9100
Master of Health Administration (old course) — by formal study	8900
Master of Librarianship — by formal study	8920
Master of Science (Acoustics)	8100
Master of Science (Building)	8110
Master of Surveying Science — by 18 credit project	8650
3. Degrees for which candidates are required to submit 2 copies of a project report to the Registrar	
Master of Commerce <i>at honours level</i> — by project	2520-2640
Master of Health Personnel Education	9000
4. Degrees for which candidates are required to submit 3 copies of a project report to the Head of School	
Master of Education	8910
Master of Psychology	8250
5. Degrees for which candidates may be required to submit 2 copies of a project report to the Head of School	
Master of Arts	8160-8210
Master of Applied Science	8000-8090
Master of Business Administration	8350
Master of Chemistry	8770
Master of Commerce (new course)	8470
Master of Counselling (Education)	8950
Master of Educational Administration	8960

Degrees	Course Code(s)
Master of Engineering Science — by 9 credit project	8500-8630
Master of Health Administration (new course) — by formal study	8900
Master of Health Planning	8940
Master of Mathematics	8740
Master of Optometry	8760
Master of Public Administration	8360
Master of Physics	8730
Master of Science (Biotechnology)	8260
Master of Science and Society	8780
Master of Statistics	8750
Master of Surveying Science — by 9 credit project	8650
Master of Social Work — by formal study	8930

This schedule may be varied from time to time as the University adds new courses, deletes old ones or amends the conditions of existing degrees.

Note

Policy with respect to the Use of Higher Degree Theses

The University holds that no thesis submitted for a higher degree should be retained in the Library for record purposes only, but within copyright privileges of the author, should be public property and accessible for consultation at the discretion of the Librarian.

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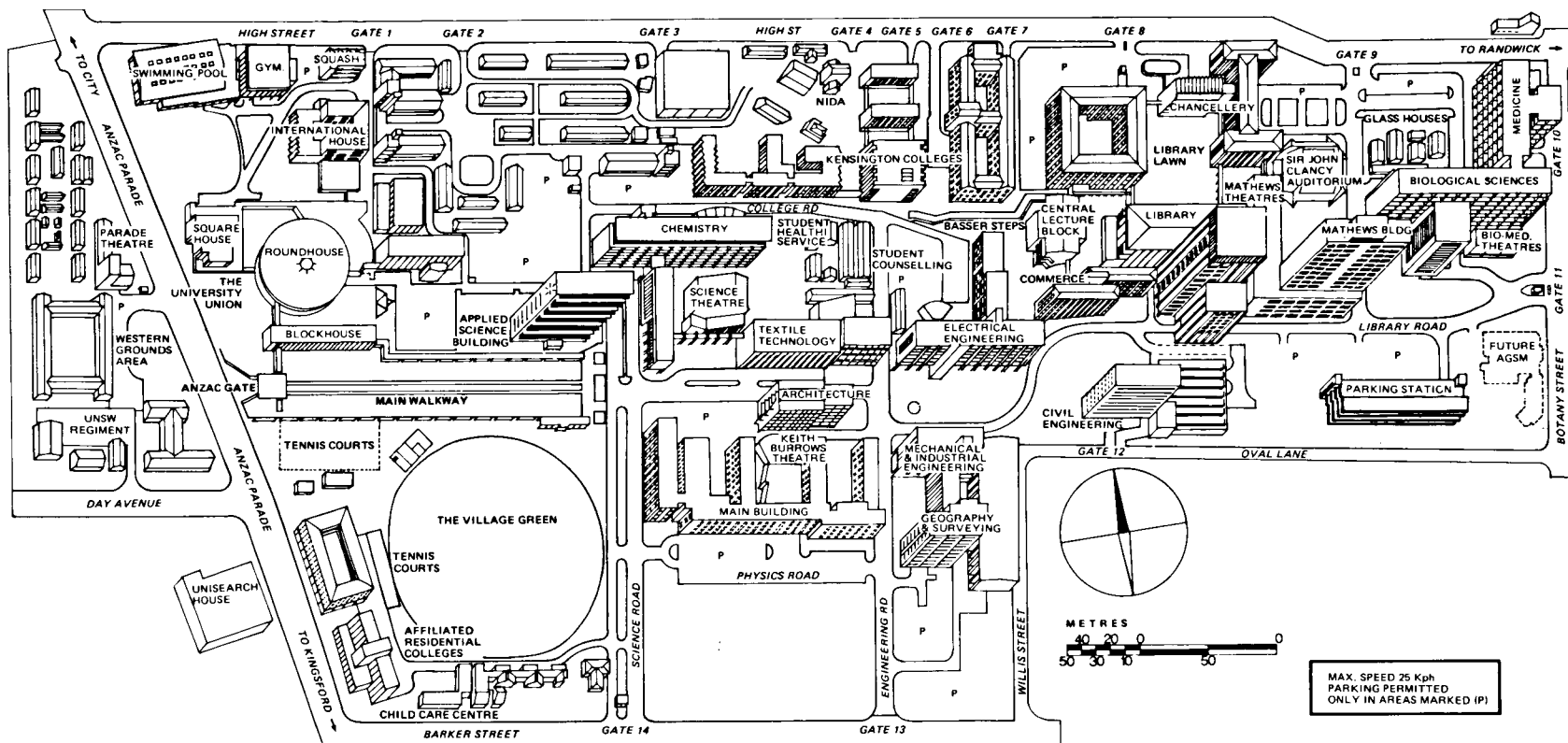
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This Calendar has been specially designed as a summary volume of the University's academic and administrative procedures.

It contains detailed information about the University – its organization, staff membership, description of disciplines, scholarships and prizes.

The Calendar and Handbooks also contain a summary list of higher degrees as well as the conditions for their award applicable to each volume.

For detailed information about courses, subjects and requirements of a particular faculty you should consult the relevant Faculty Handbook.

Separate Handbooks are published for the Faculties of Applied Science, Architecture, Arts, Commerce, Engineering, Law, Medicine, Professional Studies, Science (including Biological Sciences and the Board of Studies in Science and Mathematics), the Australian Graduate School of Management (AGSM) and the Board of Studies in General Education.

The Calendar and Handbooks are available from the Cashier's Office. The Calendar costs \$3.50 (plus postage and packing, 90 cents). The Handbooks vary in cost. Applied Science, Arts, Commerce, Engineering and Sciences are \$2.50. Architecture, Law, Medicine, Professional Studies and AGSM are \$1.50. Postage is 40c in each case. The exception is General Studies, which is free.