

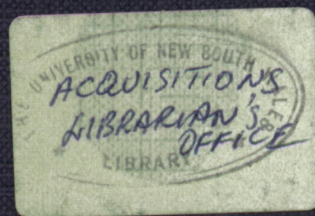
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The University of New South Wales

# Calendar

Summary Volume



1978

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



Granted by the College of Heralds, 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.

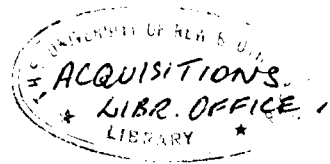




The University of New South Wales

# Calendar

Summary Volume



1978

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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 12 September 1977, 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

### 1978

Session 1 (14 weeks)	6 March to 14 May May Recess: 15 May to 21 May 22 May to 18 June Midyear Recess: 19 June to 23 July
Examinations	19 June to 1 July
Session 2 (14 weeks)	24 July to 27 August August Recess: 28 August to 3 September 4 September to 5 November Study Recess: 6 November to 12 November
Examinations	13 November to 2 December

## Faculties other than Medicine

First and Second Years	As for other faculties
Third and Fourth Years	Term 1 (10 weeks) 23 January to 9 April Term 2 (9 weeks) 10 April to 14 May Term 3 (9 weeks) 26 June to 27 August Term 4 (10 weeks) 4 September to 12 November
Fifth Year	Term 1 (8 weeks) 23 January to 19 March Term 2 (8 weeks) 28 March to 21 May Term 3 (8 weeks) 29 May to 23 July Term 4 (8 weeks) 31 July to 24 September Term 5 (8 weeks) 3 October to 26 November
Sixth Year	Term 1 (10 weeks) 23 January to 2 April Term 2 (10 weeks) 10 April to 18 June Term 3 (9 weeks) 26 June to 27 August Term 4 (10 weeks) 4 September to 12 November

## Faculty of Medicine

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**January 1978**


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Su	1	
M	2	<b>Public Holiday</b>
T	3	
W	4	
Th	5	
F	6	Last day for application for review of results of annual examinations
S	7	
Su	8	
M	9	Biological Sciences Higher Degree Committee, 2 pm Publication of timetable for deferred examinations
T	10	
W	11	Commerce Higher Degree Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm
Th	12	Research and Higher Awards Committee, 10 am
F	13	Engineering Higher Degree Committee, 10 am Last day for acceptance of applications by Admissions Office for transfer to another course within the University
<b>S14/Su15</b>		
M	16	Council, 2 pm
T	17	Arts Higher Degree Committee, 2 pm
W	18	
Th	19	Applied Science Higher Degree Committee, 10 am Architecture Higher Degree Committee, 2 pm
F	20	
<b>S21/Su22</b>		
M	23	<b>Term 1 begins — Medicine III, IV, V and VI</b>
T	24	
W	25	Australian Graduate School of Management Higher Degree Committee, 12.15 pm
Th	26	
F	27	
<b>S28/Su29</b>		
M	30	<b>Australia Day — Public Holiday</b>
T	31	Science Higher Degree Committee, 2 pm Deferred examinations begin



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**February 1978**


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W	1	Australian Graduate School of Management Executive Committee, 12.15 pm Commerce Higher Degree Committee, 2 pm Professorial Board Executive Committee, 2 pm
Th	2	Applied Science Executive Committee, 10 am Architecture Executive Committee, 2 pm
F	3	Engineering Higher Degree Committee, 10 am
S	4	Deferred examinations conclude
Su	5	
M	6	Biological Sciences Executive Committee, 2 pm
T	7	Public Relations Committee, 9 am Professorial Board, 10 am Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm Student Affairs Committee, 3.30 pm
W	8	Board of Studies in General Education Executive Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm Graduation Ceremony, Medicine (First Section), 2.30 pm
Th	9	Research and Higher Awards Committee, 10 am Architecture Higher Degree Committee, 2 pm
F	10	Military Studies Higher Degree Committee, 9.30 am Military Studies Executive Committee, 10.30 am
S11/Su12		
M	13	Buildings and Equipment Committee, 3.45 pm Academic Committee, 6 pm
T	14	Law Higher Degree Committee, 9.30 am Law Executive Committee, 10.30 am Library Committee, 10.30 am Arts Higher Degree Committee, 2 pm
W	15	Australian Graduate School of Management Board of Studies, 12.15 pm Board of Studies in Science and Mathematics Executive Committee, 2 pm Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	16	Re-enrolment Appeals Committee, 9.30 am Applied Science Higher Degree Committee, 10 am Health Personnel Education Committee, 10 am
F	17	Engineering Higher Degree Committee, 10 am Deferred examination results available
S18/Su19		
M	20	Biological Sciences Higher Degree Committee, 2 pm Enrolment period begins for new students and students repeating first year
T	21	Science Higher Degree Committee, 2 pm
W	22	Professional Studies Higher Degree Committee, 2 pm Last day for application for review of deferred examination results
Th	23	
F	24	Engineering Executive Committee, 10 am Last day for 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
S25/Su26		
M	27	<b>First Term begins — Faculty of Military Studies</b> Faculty of Biological Sciences, 2 pm Executive Committee of Council, 3 pm Enrolment period begins for second and later year students
T	28	Science Executive Committee, 2 pm

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**March 1978**


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W	1	Commerce Higher Degree Committee, 2 pm Professorial Board Executive Committee, 2 pm
Th	2	Faculty of Applied Science, 10 am Faculty of Architecture, 2 pm
F	3	
S4/Su5		
M	6	<b>Session 1 begins — all courses except Medicine III, IV, V and VI</b>
T	7	Professorial Board, 10 am Arts Higher Degree Committee, 2 pm List of graduands for April/May ceremonies published in daily press
W	8	Board of Studies in Science and Mathematics, 2 pm Professional Studies Higher Degree Committee, 2 pm Faculty of Medicine, 4.30 pm
Th	9	Research and Higher Awards Committee, 10 am Australian Graduate School of Management Board of Management, 2.30 pm
F	10	Military Studies Higher Degree Committee, 9.30 am Faculty of Military Studies, 10.30 am
S11/Su12		
M	13	Board of Studies in General Education Executive Committee, 11 am Personnel Sub-Committee, 11.30 am Council, 2 pm
T	14	Law Higher Degree Committee, 9.30 am Law Executive Committee, 10.30 am Arts Executive Committee, 2 pm Professorial Board Administrative Procedures Committee, 2 pm Faculty of Science, 2 pm
W	15	Board of Studies in Science and Mathematics Executive Committee, 10 am Commerce 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 Graduation Ceremony, Broken Hill Division, 2 pm
S	18	
Su	19	<b>Term 1 ends — Medicine V</b>
M	20	Biological Sciences Higher Degree Committee, 2 pm
T	21	Matriculation Committee, 2 pm Science Higher Degree Committee, 2 pm
W	22	Commerce Higher Degree Committee, 2 pm Faculty of Engineering, 2 pm Professional Studies Executive Committee, 2 pm
Th	23	
F	24	<b>Good Friday — Public Holiday</b>
S25/Su26		
M	27	<b>Easter Monday — Public Holiday</b>
T	28	<b>Term 2 begins — Medicine V</b> Science Executive Committee, 2 pm Executive Committee of Council, 3 pm
W	29	Australian Graduate School of Management Higher Degree Committee, 12.15 pm Professorial Board Executive Committee, 2 pm
Th	30	Applied Science Executive Committee, 10 am Architecture Executive Committee, 2 pm
F	31	Last day for students, other than those attending the University for the first time, to discontinue without failure subjects which extend over Session 1 only Last day for acceptance of enrolment by students re-enrolling in second and later years (late fee payable)

## April 1978

S	1	
Su	2	<b>Term 1 ends — Medicine VI</b>
M	3	Biological Sciences Executive Committee, 2 pm
T	4	Public Relations Committee, 9 am Professorial Board, 10 am Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm Student Affairs Committee, 3.30 pm Faculty of Law, 6 pm
W	5	Australian Graduate School of Management Executive Committee, 12.15 pm Faculty of Commerce, 2 pm
Th	6	
F	7	Graduation Ceremony, Law, 10 am Graduation Ceremony, Engineering (First Section), 2 pm
S	8	
Su	9	<b>Term 1 ends — Medicine III and IV</b>
M	10	<b>Term 2 begins — Medicine III, IV and VI</b> Buildings and Equipment Committee, 3.45 pm Academic Committee, 6 pm
T	11	Graduation Ceremony, Commerce (First Section), 10 am Library Committee, 10.30 am Graduation Ceremony, Arts (First Section), 2 pm
W	12	Faculty of Professional Studies, 2 pm Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	13	Research and Higher Awards Committee, 10 am Graduation Ceremony, Commerce (Second Section), 10 am Board of Studies in General Education, 2 pm Graduation Ceremony, Applied Science, Biological Sciences, Science, and Medicine (Second Section), 2 pm
F	14	Military Studies Higher Degree Committee, 9.30 am Engineering Executive Committee, 10 am Military Studies Executive Committee, 10.30 am
S15/Su16		
M	17	Biological Sciences Higher Degree Committee, 2 pm
T	18	Graduation Ceremony, Board of Studies in Science and Mathematics (First Section), 10 am Science Higher Degree Committee, 2 pm Graduation Ceremony, Architecture, 2 pm
W	19	Australian Graduate School of Management Board of Studies, 12.15 pm Board of Studies in Science and Mathematics Executive Committee, 2 pm Commerce Higher Degree Committee, 2 pm
Th	20	Applied Science Higher Degree Committee, 10 am Graduation Ceremony, Arts (Second Section), 10 am Architecture Higher Degree Committee, 2 pm Graduation Ceremony, Engineering (Second Section), 2 pm
F	21	Engineering Higher Degree Committee, 10 am
S22/Su23		
M	24	Executive Committee of Council, 3 pm
T	25	<b>Anzac Day — Public Holiday</b>
W	26	Professorial Board Executive Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm
Th	27	Graduation Ceremony, Commerce (Third Section), 10 am Graduation Ceremony, Board of Studies in Science and Mathematics (Second Section), 2 pm
F	28	Last day for students attending the University for the first time to discontinue without failure subjects which extend over Session 1 only <i>Confirmation of Enrolment</i> forms despatched to all students
S29/Su30		



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**May 1978**


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M	1	
T	2	Professorial Board, 10 am Arts Higher Degree Committee, 2 pm Science Executive Committee, 2 pm Computing Services Advisory Committee, 3 pm
W	3	
Th	4	Applied Science Executive Committee, 10 am
F	5	
S6/Su7		
M	8	Board of Studies in General Education Executive Committee, 11 am Personnel Sub-Committee, 11.30 am Council, 2 pm
T	9	Graduation Ceremony, Arts (Third Section) and Professional Studies (First Section), 10 am Arts Executive Committee, 2 pm Graduation Ceremony, Professional Studies (Second Section), 2 pm
W	10	Commerce Executive Committee, 2 pm
Th	11	Research and Higher Awards Committee, 10 am Australian Graduate School of Management Board of Management, 2.30 pm Last day for acceptance of corrected <i>Confirmation of Enrolment</i> forms Last day for students completing requirements for degree or diplomas at the end of Session 1 to submit <i>Details Associated with Graduation</i> form
F	12	Military Studies Higher Degree Committee, 9.30 am Military Studies Executive Committee, 10.30 am
S	13	<b>First Term ends — Faculty of Military Studies</b>
Su	14	<b>Term 2 ends — Medicine III and IV</b>
M	15	<b>May Recess begins</b>
T	16	Biological Sciences Executive Committee, 2 pm Law Higher Degree Committee, 9.30 am Law Executive Committee, 10.30 am Professional Studies Higher Degree Committee, 2 pm Professorial Board Administrative Procedures Committee, 2 pm
W	17	Board of Studies in Science and Mathematics Executive Committee, 2 pm Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	18	Applied Science Higher Degree Committee, 10 am Architecture Executive Committee, 2 pm Publication of provisional timetable for June/July examinations
F	19	Engineering Executive Committee, 10 am Last day for students, other than those attending the University for the first time, to discontinue without failure subjects which extend over the whole academic year
S	20	
Su	21	<b>May Recess ends</b>
		<b>Term 2 ends — Medicine V</b>
M	22	Advanced and Extension Studies Committee, 11 am Biological Sciences Higher Degree Committee, 2 pm Executive Committee of Council, 3 pm
T	23	Matriculation Committee, 2 pm Science Higher Degree Committee, 2 pm
W	24	Commerce Higher Degree Committee, 2 pm Professional Studies Executive Committee, 2 pm
Th	25	Faculty of Applied Science, 2 pm Architecture Higher Degree Committee, 2 pm
F	26	
S27/Su28		
M	29	<b>Second Term begins — Faculty of Military Studies</b> <b>Term 3 begins — Medicine V</b> Computing Science Committee, 11 am Faculty of Biological Sciences, 2 pm
T	30	Faculty of Arts, 2 pm Science Executive Committee, 2 pm Last day for students to advise of examination timetables clashes
W	31	Australian Graduate School of Management Higher Degree Committee, 12.15 pm Board of Studies in Science and Mathematics, 2 pm Professorial Board Executive Committee, 2 pm

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## June 1978

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Th	1	Faculty of Architecture, 2 pm
F	2	Engineering Higher Degree Committee, 10 am
S3/Su4		
M	5	
T	6	Public Relations Committee, 9 am Professorial Board, 10 am Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm Student Affairs Committee, 3.30 pm Faculty of Law, 6 pm Publication of timetable for June/July examinations
W	7	Australian Graduate School of Management Executive Committee, 12.15 pm Faculty of Commerce, 2 pm Faculty of Professional Studies, 2 pm Faculty of Medicine, 4.30 pm
Th	8	Health Personnel Education Committee, 10 am Research and Higher Awards Committee, 10 am Board of Studies in General Education, 2 pm
F	9	Military Studies Higher Degree Committee, 9.30 am Faculty of Military Studies, 10.30 am
S10/Su11		
M	12	<b>Queen's Birthday — Public Holiday</b>
T	13	Faculty of Science, 10 am Library Committee, 10.30 am Science Higher Degree Committee, 2 pm Buildings and Equipment Committee, 3.45 pm Academic Committee, 6 pm
W	14	Board of Studies in Science and Mathematics Executive Committee, 2 pm
Th	15	Applied Science Executive Committee, 10 am Architecture Executive Committee, 2 pm
F	16	Engineering Executive Committee, 10 am
S	17	
Su	18	<b>Term 2 ends — Medicine VI</b> <b>Session 1 ends</b>
M	19	<b>Midyear Recess begins</b> <b>Midyear examinations begin</b>
T	20	Science Executive Committee, 2 pm
W	21	Australian Graduate School of Management Board of Studies, 2 pm
Th	22	Architecture Higher Degree Committee, 2 pm
F	23	
S24/Su25		
M	26	<b>Term 3 begins — Medicine III, IV and VI</b> Executive Committee of Council, 3 pm
T	27	Arts Higher Degree Committee, 2 pm
W	28	Professorial Board Executive Committee, 2 pm
Th	29	
F	30	<b>Midyear examinations conclude</b>

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**July 1978**


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## S1/Su2

M	3	
T	4	Professorial Board, 10 am
W	5	Professional Studies Higher Degree Committee, 2 pm
Th	6	
F	7	

## S8/Su9

M	10	Personnel Sub-Committee, 11.30 am Council, 2 pm
T	11	Library Committee, 10.30 am
W	12	
Th	13	Applied Science Higher Degree Committee, 10 am Research and Higher Awards Committee, 10 am Architecture Executive Committee, 2 pm Australian Graduate School of Management Board of Management, 2.30 pm
F	14	Military Studies Higher Degree Committee, 9.30 am Military Studies Executive Committee, 10.30 am

## S15/Su16

M	17	Board of Studies in General Education Executive Committee, 11 am Biological Sciences Executive Committee, 2 pm Midyear examination results mailed to students
T	18	Law Higher Degree Committee, 9.30 am Law Executive Committee, 10.30 am Matriculation Committee, 2 pm Science Executive Committee, 2 pm Midyear examination results displayed on University notice boards
W	19	Commerce Higher Degree Committee, 2 pm Board of Studies in Science and Mathematics Executive Committee, 2 pm Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm Commerce Executive Committee, 3 pm Students to amend enrolment programs following receipt of June examination results
Th	20	Applied Science Executive Committee, 10 am Students to amend enrolment programs following receipt of June examination results
F	21	Engineering Higher Degree Committee, 10 am Students to amend enrolment programs following receipt of June examination results
S	22	
Su	23	<b>Midyear Recess ends</b> <b>Term 3 ends — Medicine V</b>
M	24	<b>Session 2 begins</b> Biological Sciences Higher Degree Committee, 2 pm Executive Committee of Council, 3 pm Last day for students who have completed requirements for pass degrees to advise Registrar they are proceeding to an honours degree or do not wish to take out their degree for any other reason
T	25	Arts Executive Committee, 2 pm Science Higher Degree Committee, 2 pm
W	26	Australian Graduate School of Management Higher Degree Committee, 12.15 pm Professorial Board Executive Committee, 2 pm Professional Studies Executive Committee, 2 pm
Th	27	Faculty of Architecture, 2 pm
F	28	Faculty of Engineering, 10 am Last day for applications for review of June examination results

## S29/Su30

M	31	<b>Term 4 begins — Medicine V</b>
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## August 1978

T	1	Public Relations Committee, 9 am Professorial Board, 10 am Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm Student Affairs Committee, 3.30 pm
W	2	Australian Graduate School of Management Executive Committee, 12.15 pm Faculty of Commerce, 2 pm
Th	3	Faculty of Applied Science, 10 am Foundation Day
F	4	Board of Studies in General Education, 2 pm Last day for students attending the University for the first time to discontinue without failure subjects which extend over the whole of the academic year

S5/Su6

M	7	
T	8	Faculty of Arts, 2 pm Faculty of Law, 6 pm
W	9	Faculty of Medicine, 4.30 pm
Th	10	Research and Higher Awards Committee, 10 am Architecture Higher Degree Committee, 2 pm
F	11	Military Studies Higher Degree Committee, 9.30 am Faculty of Military Studies, 10.30 am
S	12	<b>Second Term ends — Faculty of Military Studies</b>
Su	13	
M	14	Faculty of Biological Sciences, 2 pm Buildings and Equipment Committee, 3.45 pm Academic Committee, 6 pm
T	15	Professorial Board Administrative Procedures Committee, 2 pm Science Executive Committee, 2 pm
W	16	Australian Graduate School of Management Board of Studies, 2 pm Commerce Higher Degree Committee, 2 pm Faculty of Professional Studies, 2 pm
Th	17	Applied Science Higher Degree Committee, 10 am
F	18	Engineering Higher Degree Committee, 10 am Last day for students, other than those attending the University for the first time, to discontinue without failure subjects which extend over Session 2 only

S19/Su20

M	21	Board of Studies in General Education Executive Committee, 11 am Executive Committee of Council, 3 pm
T	22	Arts Higher Degree Committee, 2 pm
W	23	Board of Studies in Science and Mathematics Executive Committee, 2 pm
Th	24	Applied Science Executive Committee, 10 am
F	25	Engineering Executive Committee, 10 am
S	26	
Su	27	<b>Term 3 ends — Medicine III, IV and VI</b>
M	28	<b>August Recess begins</b> Biological Sciences Executive Committee, 2 pm
T	29	Science Higher Degree Committee, 2 pm
W	30	Professorial Board Executive Committee, 2 pm
Th	31	

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**September 1978**


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F	1	
S	2	
Su	3	August Recess ends
M	4	Third Term begins — Faculty of Military Studies Term 4 begins — Medicine III, IV and VI
T	5	Professorial Board, 10 am Professional Studies Higher Degree Committee, 2 pm
W	6	Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	7	Research and Higher Awards Committee, 10 am Architecture Executive Committee, 2 pm Australian Graduate School of Management Board of Management, 2.30 pm
F	8	
S9/Su10		
M	11	Personnel Sub-Committee, 11.30 am Biological Sciences Higher Degree Committee, 2 pm Council, 2 pm Last day for applications from students completing requirements for degrees and diplomas at the end of Session 2 to submit <i>Details Associated with Graduation</i> form
T	12	Library Committee, 10.30 am
W	13	Board of Studies in Science and Mathematics, 2 pm Commerce Executive Committee, 2 pm Professional Studies Executive Committee, 2 pm List of graduands for October graduation ceremonies published in daily press
Th	14	
F	15	Military Studies Higher Degree Committee, 9.30 am Military Studies Executive Committee, 10.30 am Last day for students attending the University for the first time to discontinue without failure subjects which extend over Session 2 only <i>Confirmation of Enrolment</i> form forwarded to all students
S16/Su17		
M	18	Last day to notify intention of attending October graduation ceremony
T	19	Arts Higher Degree Committee, 2 pm Science Executive Committee, 2 pm
W	20	Faculty of Engineering, 2 pm Board of Studies in Science and Mathematics Executive Committee, 2 pm
Th	21	Applied Science Higher Degree Committee, 10 am Architecture Higher Degree Committee, 2 pm Board of Studies in General Education, 2 pm
F	22	Engineering Higher Degree Committee, 10 am
S	23	
Su	24	Fourth Term ends — Medicine V
M	25	Executive Committee of Council, 3 pm
T	26	Science Higher Degree Committee, 2 pm
W	27	Australian Graduate School of Management Higher Degree Committee, 12.15 pm Professorial Board Executive Committee, 2 pm
Th	28	Applied Science Executive Committee, 10 am
F	29	
S	30	

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## October 1978

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Su 1 Last day to apply to MUAC for transfer to another university in New South Wales

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M 2 **8 Hour Day — Public Holiday**

T 3 **Fifth Term begins — Medicine V**

Public Relations Committee, 9 am

Professorial Board, 10 am

Faculty of Science, 2 pm

Personnel Sub-Committee, 2.30 pm

Finance Sub-Committee, 3.15 pm

Student Affairs Committee, 3.30 pm

Last day to return corrected *Confirmation of Enrolment* form

W 4 Australian Graduate School of Management Executive Committee, 12.15 pm

Faculty of Professional Studies, 2 pm

Th 5 Faculty of Architecture, 2 pm

Publication of provisional examination timetable

F 6

S7/Su8

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M 9 Biological Sciences Executive Committee, 2 pm

Buildings and Equipment Committee, 3.45 pm

Academic Committee, 6 pm

T 10 Law Higher Degree Committee, 9.30 am

Law Executive Committee, 10.30 am

Arts Executive Committee, 2 pm

W 11 Faculty of Commerce, 2 pm

Medicine Higher Degree Committee, 2 pm

Medicine Executive Committee, 3 pm

Th 12 Research and Higher Awards Committee, 10 am

F 13 Military Studies Higher Degree Committee, 9.30 am

Military Studies Executive Committee, 10.30 am

S14/Su15

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M 16

T 17 Science Higher Degree Committee, 2 pm

Professorial Board Administrative Procedures Committee, 2 pm

Last day for students to advise of examination timetable clashes

W 18 Australian Graduate School of Management Board of Studies, 12.15 pm

Board of Studies in Science and Mathematics Executive Committee, 2 pm

Commerce Higher Degree Committee, 2 pm

Professional Studies Higher Degree Committee, 2 pm

Th 19 Faculty of Applied Science, 2 pm

F 20

S 21 **Third Term ends — Faculty of Military Studies**

Su 22

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M 23 Biological Sciences Higher Degree Committee, 2 pm

Executive Committee of Council, 3 pm

T 24 Faculty of Law, 6 pm

Publication of timetable for annual examinations

W 25

Th 26 Applied Science Higher Degree Committee, 10 am

Architecture Executive Committee, 2 pm

F 27 Engineering Higher Degree Committee, 10 am

S28/Su29

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M 30 Board of Studies in General Education Executive Committee, 11 am

Faculty of Biological Sciences, 2 pm

T 31 Faculty of Arts, 2 pm

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**November 1978**


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W	1	Commerce Executive Committee, 2 pm Professorial Board Executive Committee, 2 pm
Th	2	Applied Science Executive Committee, 10 am
F	3	Engineering Executive Committee, 10 am
S	4	
Su	5	<b>Session 2 ends</b>
M	6	<b>Study Recess begins</b>
T	7	Professorial Board, 10 am Science Executive Committee, 2 pm
W	8	Faculty of Medicine, 4.30 pm
Th	9	Research and Higher Awards Committee, 10 am Architecture Higher Degree Committee, 2 pm Australian Graduate School of Management Board of Management, 2.30 pm
F	10	Military Studies Higher Degree Committee, 9.30 am Faculty of Military Studies, 10.30 am
S	11	
Su	12	<b>Term 4 ends — Medicine III, IV and VI</b>
M	13	Personnel Sub-Committee, 11.30 am Council, 2 pm <b>Examinations begin</b>
T	14	Library Committee, 10.30 am Arts Higher Degree Committee, 2 pm
W	15	Board of Studies in Science and Mathematics Executive Committee, 2 pm Commerce Higher Degree Committee, 2 pm
Th	16	Health Personnel Education Committee, 10 am
F	17	
S18/Su19		
M	20	
T	21	Science Higher Degree Committee, 2 pm Professional Studies Higher Degree Committee, 2 pm
W	22	Medicine Higher Degree Committee, 2 pm Medicine Executive Committee, 3 pm
Th	23	
F	24	Engineering Higher Degree Committee, 10 am
S	25	
Su	26	<b>Term 5 ends — Medicine V</b>
M	27	Computing Sciences Committee, 11 am Board of Studies in General Education Executive Committee, 11 am Biological Sciences Higher Degree Committee, 2 pm
T	28	
W	29	Professorial Board Executive Committee, 2 pm
Th	30	Applied Science Higher Degree Committee, 10 am

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**December 1978**


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F	1	
S	2	Examinations end
Su	3	
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M	4	
T	5	Professorial Board, 10 am Personnel Sub-Committee, 2.30 pm Finance Sub-Committee, 3.15 pm
W	6	
Th	7	
F	8	
S9/S10		
<hr/>		
M	11	Executive Committee of Council, 3 pm
T	12	
W	13	
Th	14	
F	15	Research and Higher Awards Committee, 10 am
S16/Su17		
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M	18	
T	19	Examination results mailed to students
W	20	Examination results displayed on University notice boards
Th	21	
F	22	
S23/Su24		
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M	25	Christmas Day — Public Holiday
T	26	Boxing Day — Public Holiday
W	27	
Th	28	
F	29	
S30/Su31		

## 1979

**Faculties other than  
Medicine**

Session 1 (14 weeks)	5 March to 13 May May Recess: 14 May to 20 May 21 May to 17 June Midyear Recess: 18 June to 22 July
Examinations	18 June to 30 June
Session 2 (14 weeks)	23 July to 26 August August Recess: 27 August to 2 September 3 September to 4 November Study Recess: 5 November to 11 November
Examinations	12 November to 1 December

**Faculty of Medicine**

First and Second Years	As for other faculties
Third and Fourth Years	Term 1 (10 weeks) 22 January to 8 April Term 2 (9 weeks) 9 April to 13 May Term 3 (9 weeks) 25 June to 27 August Term 4 (10 weeks) 3 September to 11 November
Fifth Year	Term 1 (8 weeks) 22 January to 18 March Term 2 (8 weeks) 27 March to 20 May Term 3 (8 weeks) 28 May to 22 July Term 4 (8 weeks) 30 July to 23 September Term 5 (8 weeks) 2 October to 25 November

<b>January</b>	M	1	Public Holiday
	F	5	Last day for application for review of results of annual examinations
	F	12	Last day for acceptance of applications by Admissions Office to transfer to another course within the University
	M	22	Term 1 begins — Medicine III, IV and V
<b>February</b>	T	6	Professorial Board
	M	12	Enrolment period begins for new students and students repeating first year
	M	19	Enrolment period begins for second and later year students
<b>March</b>	M	5	Session 1 begins — all courses except Medicine III, IV and V
<b>April</b>	F	13	Easter — Public Holiday
		to	
	M	16	Anzac Day — Public Holiday
	W	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 1977 was 18,520 made up of 14,919 proceeding to first degrees, 2,573 to higher degrees and 475 to graduate diplomas and 553 not seeking to proceed to any qualification.

The full-time staff supporting these activities numbers 3,829 of whom 1,388 are teaching and research staff, and 2,441 are library, technical, administrative, clerical and other staff. The Library contains approximately 824,000 volumes.

The University's total recurrent expenditure in 1977 was approximately \$61 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 agreement will end when the new Australian Defence Force Academy assumes responsibility for the faculty's activities.

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.

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.

## Government

## Form of Bequest

### **Donations and Gifts to the University**

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.'\*

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.

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.'

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

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

**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).

**Donations and Gifts—  
Taxation**

# The University of New South Wales

## Chancellor

The Hon. Mr Justice 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. LLD *Strath.*, Hon. DSc *W'gong.*, FIM, FRACI, FAIM,  
MAusIMM

## Pro-Vice-Chancellors

Professor John Basil Thornton, BA BSc *Syd.*

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

Professor Albert Henry Willis, DSc(Eng) *Lond.*, CEng,  
FIMechE, FIEAust, MemASAE, WhSc

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## The Council

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Warren David Adcock, Group General Manager-Garments,  
Bradmill Industries Limited

Kevin James Austin, Bursar's Division, UNSW

George Bell, ASTC, FIO

Laurance John Brereton, MLA

Colin John Charlton, BA DipEd *N.S.W.*

John Bowes Clarkson, Chairman and Managing Director of  
Alcan Aust Ltd

Arthur Ashley Cooper, MBuild PhD *N.S.W.*, ASTC,  
Max Cooper & Sons Pty Ltd

Richard Arthur Corin, BE *N.S.W.*, MIEAust, Engineer,  
Australian Telecommunications Commission

Therese Frances Mary Delanty, MA *Syd.*, DiplLib *N.S.W.*,  
ALAA, Research Librarian, Library of NSW

Ross Anthony Doonan, student, Faculty of Professional Studies

The Hon. Sir John Fuller, MLC, FAIEx

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, OStJ, MB BS *Syd.*, FRACGP

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

Francis Neil Harpley, BA *Syd.*, Lecturer, School of Philosophy

Harry Frederick Heath, OBE, BA BEc *Syd.*

Paul Huggins, MSc *N.S.W.*, ASTC

Graham Reginald Ireland, LLB *Syd.*, QBE Insurance Group Limited

Reginald John Lambie, BSc *Syd.*, General Manager, NRMA Insurance Limited

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

John Harold Masters, BA *Melb.*, PhD *Syd.*, Lecturer, Department of General Studies

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

Julie Ann Matthews, Student, Faculty of Professional Studies

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

David McLeish, Secretary, Electrical Trades Union (NSW)

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

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

Paul Raymond Mulroney, Student, Faculty of Law

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

William Patrick Nicholas, BVSc *Syd.*, Executive Officer, Australian Woolgrowers' and Graziers' Council

John Mitchell O'Toole, BSc(Ed) *N.S.W.*

Robert Maxwell Porter, ISO, AASA, ACIS, AAIL, General Manager, Government Insurance Office of NSW

Simon Jacques Prokhovnik, BA MSc *Melb.*, Associate Professor, School of Mathematics

Gareth Edward Roberts, BArch, MCD *Liv.*, FRAIA, FRAP, MRTPI, ARIBA, Professor of Architecture, Head, School of Architecture and Dean, Faculty of Architecture

The Hon. Mr Justice Samuels, MA *Oxf.*, Judge of the Supreme Court of New South Wales

Harry Seidler, OBE, BArch *Manitoba*, MArch *Harv.*, LFRAIA, HonFAIA, MRAIC, Architect

Colin Arthur Stapleton, BSc BE *Syd.*, CEng, MIEE, MIEEE, MIEAust, Associate Professor, School of Electrical Engineering

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

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

Robert John Walsh, AO, OBE, MB BS *Syd.*, FRACP, FAA, FRCPA, Professor of Human Genetics, Dean, Faculty of Medicine

Jeremy Maughan Wright, BE MBA *N.S.W.*, student, Graduate School of Business

Diane Yerbury, LLB *Lond.*, TechSciDipl *Manc.*, PhD *Melb.*, Professor, Australian Graduate School of Management

Raymond Arthur Nicol, Secretary to Council

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## Committees of Council

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### Executive Committee

The Chancellor (Chairman)  
The Deputy Chancellor  
The Vice-Chancellor and Principal  
Mr R. A. Doonan  
Sir John Goodsell  
Mr H. F. Heath  
Mr P. Huggins  
Professor D. M. McCallum  
Mr R. M. Porter  
Associate Professor S. J. Prokhovnik

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### Finance Sub-Committee of Executive Committee

Sir John Goodsell (Chairman)  
The Deputy Chancellor  
The Vice-Chancellor and Principal  
Mr J. B. Clarkson  
Mr H. F. Heath  
Mr A. H. Loxton  
Mr P. Mulroney

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### Personnel Sub-Committee of Executive Committee

The Chancellor (Chairman)  
The Deputy Chancellor  
The Vice-Chancellor and Principal  
Mr R. A. Corin  
Sir John Goodsell  
Mr R. M. Porter

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### Buildings and Equipment Committee

Dr F. M. Mathews (Chairman)  
The Vice-Chancellor and Principal  
Mr C. J. Charlton  
Mr J. B. Clarkson  
Dr A. A. Cooper  
Mr R. A. Corin  
Mr R. A. Doonan  
Mr J. M. Gosper  
Mr P. Huggins  
Mr D. McLeish  
Professor G. E. Roberts  
Mr H. Seidler  
Mr C. W. Stockings  
Professor D. Yerbury

---

### Academic Committee

The Vice-Chancellor and Principal (Chairman)  
Mr G. Bell  
Dr P. W. H. Grieve  
Mr H. R. Harant  
Mr H. F. Heath  
Mr G. R. Ireland  
Dr F. M. Mathews  
Miss J. A. Matthews  
Professor D. M. McCallum  
Mr R. P. Meagher  
Associate Professor I. F. Morrison  
Mr J. M. O'Toole  
Associate Professor S. J. Prokhovnik  
Associate Professor C. A. Stapleton  
Dr J. L. Symonds  
Mr J. M. Wright  
The Deans of the Faculties (not otherwise included)

---

### Public Relations Committee

Mr P. Huggins (Chairman)  
The Vice-Chancellor and Principal  
Mr G. Bell  
Mr L. J. Brereton  
Miss T. F. Delanty  
Mr R. J. Lamble  
Dr J. H. Masters  
Mr P. Mulroney

---

### Student Affairs Committee

Mr H. F. Heath (Chairman)  
The Vice-Chancellor and Principal  
Mr W. D. Adcock  
Mr K. J. Austin  
The Hon. Sir John Fuller  
Mr J. M. Gosper  
Mr H. R. Harant  
Mr F. N. Harpley  
Mr A. H. Loxton  
Professor D. M. McCallum  
Miss J. A. Matthews  
Mr W. P. Nicholas  
Associate Professor S. J. Prokhovnik  
Professor R. J. Walsh

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### Appeals Committee

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

## The Professorial Board

### Chairman

Professor D. M. McCallum

### Vice-Chairman

Professor R. M. Golding

### Members Ex Officio

The Chancellor

The Deputy Chancellor

The Vice-Chancellor

The Registrar

The Librarian

### Members

#### School

Professor M. W. Allen

*Electrical Engineering*

Professor J. E. Andersen

*Science (Broken Hill)*

Professor D. J. Anderson

*Botany*

Professor P. V. Angus-Leppan

*Surveying*

Professor S. J. Angyal

*Chemistry*

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 C. R. Bell

*Sociology*

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*

Professor C. H. P. Brookes

*Accountancy*

Professor G. Brown

*Mathematics*

Professor L. B. Brown

*Psychology*

Professor L. M. Brown

*Education*

Professor P. R. Brown

*Australian Graduate School of Management*

Associate Professor D. Broadbent

*Division of Postgraduate Extension Studies*

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 T. Cizova

*Russian*

Professor G. N. Cooper

*Microbiology*

Professor K. R. Cox

*Surgery*

Professor F. K. Crowley

*History*

Professor E. C. Daniels

*Architecture*

Professor H. L. Davies

*Wool & Pastoral Sciences*

Professor L. W. Davies

*Electrical Engineering*

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. Encei

*Sociology*

Professor F. J. Evans

*Electrical Engineering*

Professor M. Feughelman

*Textile Technology*

Professor P. T. Fink

*Mechanical & Industrial Engineering*

**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*

**Professor P. W. Gage**  
*Physiology & Pharmacology*

**Professor B. J. Garner**  
*Geography*

**Professor E. P. George**  
*Physics*

**Professor W. E. Glover**  
*Physiology & Pharmacology*

**Professor R. M. Golding**  
*Chemistry*

**Professor H. J. Goldsmid**  
*Physics*

**Professor H. E. Green**  
*Electrical Engineering (Military Studies)*

**Professor R. F. Hall**  
*Department of General Studies*

**Professor C. L. Hamblin**  
*Philosophy*

**Professor D. E. Harding**  
*Law*

**Professor J. C. Haskell**  
*Architecture*

**Professor A. M. Hasofer**  
*Mathematics*

**Associate Professor L. M. Haynes**  
*Department of Industrial Arts*

**Professor J. B. Hickie**  
*Medicine*

**Professor T. K. Hogan**  
*Civil Engineering*

**Professor H. Hora**  
*Physics*

**Professor R. L. Huckstep**  
*Surgery*

**Professor A. A. Hukins**  
*Education*

**Professor R. Johnson**  
*Spanish & Latin American Studies*

**Professor N. C. Kakwani**  
*Economics*

**Professor A. E. Karbowiak**  
*Electrical Engineering*

**Professor W. E. Kasper**  
*Economics (Military Studies)*

**Professor M. C. Kemp**  
*Economics*

**Professor L. G. Kiloh**  
*Psychiatry*

**Professor P. T. King**  
*Political Science*

**Professor R. J. Lawrence**  
*Social Work*

**Professor R. A. Layton**  
*Marketing*

**Professor J. Lederer**  
*Optometry*

**Professor I. K. Lee**  
*Civil Engineering*

**Professor S. E. Livingstone**  
*Chemistry*

**Professor S. H. Lovibond**  
*Psychology*

**Professor D. M. McCallum**  
*Political Science*

**Professor M. McManus**  
*Economics*

**Professor R. A. Ma**  
*Accountancy*

**Professor J. A. Mabbutt**  
*Geography*

**Professor K. C. Marshall**  
*Microbiology*

**Professor B. V. Milborrow**  
*Biochemistry*

**Professor J. R. Milfull**  
*German*

**Professor R. Mitchell**  
*Surgery*

**Professor J. P. Morgan**  
*Mining Engineering*

**Professor H. Muir**  
*Metallurgy*

**Professor G. F. Murnaghan**  
*Surgery*

**Professor R. G. Nettheim**  
*Law*

**Professor J. W. Neville**  
*Economics*

**Professor J. R. Niland**  
*Economics*

**Professor P. J. O'Farrell**  
*History*

**Professor W. J. O'Sullivan**  
*Biochemistry*

**Professor H. J. Oliver**  
*English*

**Professor R. C. Olsson**  
*Accountancy*

**Professor P. L. B. Oxley**  
*Mechanical & Industrial Engineering*

**Professor G. R. Palmer**  
*Health Administration*

**Professor W. R. Pitney**  
*Medicine*

**Professor C. R. B. Quentin**  
*Drama*

**Professor B. J. F. Ralph**  
*Biological Technology*

**Professor J. S. Ratcliffe**  
*Chemical Engineering*

**Professor N. W. Rees**  
*Electrical Engineering*



Professor W. G. Rimmer  
*Economics*

Professor G. E. Roberts  
*Architecture*

Professor J. Ronayne  
*History and Philosophy of Science*

Professor F. W. D. Rost  
*Anatomy*

Professor F. F. Roxborough  
*Mining Engineering*

Professor J. L. Ryan  
*Accountancy*

Professor R. Sackville  
*Law*

Professor J. S. Shannon  
*Chemistry*

Professor I. A. Shearer  
*Law*

Professor L. E. Smythe  
*Chemistry*

Professor P. Spooner  
*Architecture*

Professor W. J. McK Stewart  
*Accountancy*

Professor J. Stringer  
*Australian Graduate School of Management*

Professor N. L. Svensson  
*Mechanical & Industrial Engineering*

Professor K. N. R. Taylor  
*Physics*

Professor B. G. Thom  
*Geography (Military Studies)*

Professor H. Thomas  
*Australian Graduate School of Management*

Professor L. J. E. Thomas  
*Mining & Mineral Sciences (Broken Hill)*

Professor E. O. P. Thompson  
*Biochemistry*

Professor J. J. Thompson  
*Nuclear Engineering*

Professor J. B. Thornton  
*History & Philosophy of Science*

Professor G. D. Tracy  
*Surgery*

Professor L. C. F. Turner  
*History (Military Studies)*

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*Civil Engineering*

Professor R. E. Vowels  
*Electrical Engineering*

Professor D. N. Wade  
*Physiology & Pharmacology*

Professor R. J. Walsh  
*Community Medicine*

Professor R. F. Warner  
*Civil Engineering*

Professor I. W. Webster  
*Community Medicine*

Professor M. Weinstock  
*Librarianship*

Professor H. Whitmore  
*Law*

Professor P. Wilenski  
*Australian Graduate School of Management*

Professor A. H. Willis  
*Mechanical & Industrial Engineering*

Professor N. R. Wills  
*Faculty of Commerce*

Professor G. V. H. Wilson  
*Physics (Military Studies)*

Professor R. W. Woodhead  
*Civil Engineering*

Professor D. Yerbury  
*Australian Graduate School of Management*

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Faculty of Biological Sciences: Dean: Professor B. J. F. Ralph

Faculty of Commerce: Dean: Professor A. S. Carrington

Faculty of Engineering: Dean: Professor P. T. Fink

Faculty of Law: Dean: Professor R. G. Nettheim

Faculty of Medicine: Dean: Professor R. J. Walsh

Faculty of Military Studies (Royal Military College, Duntroon,  
ACT): Dean: Professor J. C. Burns

Faculty of Professional Studies:

Acting Dean: Professor A. H. Willis

Faculty of Science: Dean: Professor S. J. Angyal

Australian Graduate School of Management:

Director: Professor P. R. Brown

Board of Studies in General Education:

Chairman: Professor J. B. Thornton

Board of Studies in Science and Mathematics:

Dean: Professor S. J. Angyal

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Broken Hill Division: Director: Professor J. E. Andersen

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T. J. Daly, BEc *Syd.*

#### Business Manager (Property)

R. K. Fletcher, LLB *Syd.*

#### Registrar

K. L. Jennings, BA MEd *Syd.*, MACE

#### Adviser, Public Affairs and Head of Public Affairs Unit

R. P. C. Pockley, BSc DipEd *Melb.*, DPhil *Oxf.*

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Gerald James Spurgeon Govett, DSc *Wales*, PhD *Lond.*, DIC, FIMM

**Associate Professors**

Laric Villier Hawkins, MSc *Syd.*, FGS

Laurence James Lawrence, DSc DipCom *Syd.*, PhD *N.S.W.*, DIC, MAusIMM

Frederick Charles Loughnan, BSc *Syd.*, PhD DSc *N.S.W.*, AMAusIMM

John Roberts, BSc *N.E.*, PhD *W.Aust.*

**Senior Lecturers**

Alberto Albani, DrGeolSc *Florence*, MSc PhD *N.S.W.*

Alan Norval Carter, BSc PhD *Melb.*, MSc *Adel.*

Philip Richard Evans, BA *Oxf.*, PhD *Brist.*, FGS

Michael Barry Katz, BS *Mich. T.U.*, MSc *McG.*, PhD *Tor.*

Peter Cyril Rickwood, BSc *Lond.*, PhD *Cape T.*, CChem, FGS, MRIC

Ittikhar Rasul Qureshi, MSc *Panj.*, PhD *Glas.*, FGS

Bryce Leslie Wood, MSc DSc *Otago*, MAusIMM

**Lecturers**

John Craig Cameron, MA BSc *Edin.*, DIC, MAAPG, AMAusIMM

Bastiaan Jan Hensen, MSc *Ley.*, PhD *A.N.U.*

Michael John Knight, BSc PhD *Melb.*

**Senior Tutors**

Maren Krysko von Tryst, BSc GradDip *N.S.W.*, AMAusIMM

Ivan Pauncz, BSc *N.S.W.*

Robert James Whiteley, MSc *Syd.*

**Tutors**

Graham Richard Carr, BSc *N.S.W.*

Alistair Chisholm Dunlop, BSc *N.E.*, PhD *Lond.*, DIC, MIMM

Richard Julian Lewandowski, MSc *Cant.*

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Dalway John Swaine, MSc *Melb.*, PhD *Aberd.*, FRACI

**Administrative Officer**

Graham John Baldwin, BA *A.N.U.*

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Richard John Francis Haren, BSc *N.S.W.*

Abhi Sankar Ray, MSc *Calcutta*

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*Comprises Schools of Applied Geology, Chemical Engineering, Chemical Technology, Food Technology, Geography, Metallurgy, Wool and Pastoral Sciences, Textile Technology, and Mining Engineering.*

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**Chairman**

Professor R. T. Fowier

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Endel Nomm, BA *Macq.*, MSc *N.S.W.*

Vivian Noel Edward Robinson, BSc PhD *W.Aust.*

Dante Somin Santea, Diploma *T.I.Iassy*

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## School of Applied Geology

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**Professor of Engineering Geology  
and Head of School**

Francis Clifford Beavis, MA *Cant.*, BSc PhD *Melb.*, FGS

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## School of Chemical Engineering

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### Professor of Chemical Engineering and Head of School

Robert Thomas Fowler, BSc *Wales*, PhD *Lond.*, DScEng *Syd.*, CEng, FIEAust, FIChemE, MInstF, MIM, ARICI, AIM

### Professor of Chemical Engineering

John Spurgeon Ratcliffe, MSc PhD *N.S.W.*, ASTC, CEng, FIREE, FIEAust, FIChemE

### Professor of Fuel Technology

Vacant

### Senior Administrative Officer

Robert Frederick Starr, ASTC

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## Department of Biological Process Engineering

### Senior Lecturer

Peter Munro Linklater, RDA, BAgSc *Adel.*, MAgSc *N.Z.*, PhD *Wis.*

### Lecturer

Robert James Hall, BSc PhD *N.S.W.*

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## Department of Chemical Engineering

### Associate Professors

Ian Dracup Doig, BSc(Eng) *Lond.*, PhD *N.S.W.*, CEng, MIMechE, MIChemE

Peter Craig Farrell, BE *Syd.*, SM *M.I.T.*, PhD *Wash.*, MASAI  
Christopher Joseph Dalzell Fell, BSc *N.S.W.*, PhD *Camb.*, CEng, MIChemE

Robert George Robins, MSc PhD *N.S.W.*, CEng, ARACI, AMAusIMM

### Senior Lecturers

Ronald Graham Bowrey, BE PhD *N.S.W.*, MIEAust

John Buchanan, ME *Syd.*, PhD *N.S.W.*

Douglas Christopher Dixon, BE MEngSc *Syd.*, PhD *N.S.W.*, MIEAust

Anthony Gordon Fane, BSc PhD *Lond.*, CEng, MIChemE

Robert Marsden Wood, BSc *Leeds*, PhD *Camb.*, CEng, MIChemE

### Lecturers

Franklin Owen Howard, BE *Syd.*, CEng, MIEAust

Phillip Souter, MSc *Syd.*, ARACI

### Honorary Visiting Fellow

Keith Barton, BE PhD *N.S.W.*

### Professional Officer

Eric Alan Vincent Durbin, CEng, MIChemE, MIEAust

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## Department of Fuel Technology

### Associate Professor

Nikolas Yordan Kirov, MSc DSc *Leeds*, CEng, SFIInstF, FIEAust, MICE

### Senior Lecturers

Denis Barrett, MSc *Leeds*, PhD *N.S.W.*, CEng, FIInstF

Kenneth Spencer Basden, BSc PhD *N.S.W.*, ASTC, CEng, FIInstF, MIEAust, ARACI, AMAusIMM

Geoffrey David Sergeant, BSc PhD *Wales*, CEng, FIInstF

### Senior Tutor

Thomas Patrick Maher, BSc *Syd.*, MSc PhD *N.S.W.*, CEng, FIInstF, ARACI

### Professional Officer

Johannes Petrus Smits, BSc(Tech) *N.S.W.*, CEng, MInstF

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## School of Chemical Technology

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### Associate Professor and Acting Head of School

Dr B. J. Welch

### Professor of Chemical Technology

Vacant

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John Robin Gatenby, ASTC

#### Professional Officers

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Robert Edmund Brand, BSc *N.S.W.*, ASTC, ARACI  
William Wai-Lam Ching, MSc *N.S.W.*, ARACI  
Orest Dworjany, MSc *N.S.W.*, ASTC, ARACI  
David John Kelly, BSc BE *Syd.*  
Cyril Leslie Samways, BSc *Syd.*, MSc *N.S.W.*  
John Walton Sharp, BSc(Tech) *N.S.W.*

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### Department of Ceramic Engineering

#### Associate Professor

Eric Robert McCartney, BSc *Syd.*, PhD *N.S.W.*, FICeram,  
MIEAust, ARACI

#### Lecturers

Herbert David Leigh, BS *Louisiana Polytech.*, MS *Missouri*,  
PhD *N.S.W.*  
Sviatoslav Antonovich Prokopovich, MSc *N.S.W.*, ASTC

#### Senior Instructor

Ivan Junior McMeekin

---

### Department of Industrial Chemistry

#### Associate Professor

Barry John Welch, MSc PhD *N.Z.*, FNZIC, FRACI

#### Senior Lecturer

Barry George Madden, BSc PhD *N.S.W.*, ASTC, FIREEAust

#### Lecturers

Michael Paul Brungs, BSc PhD *N.S.W.*  
Mark Sebastian Wainwright, MAppSc *Adel.*, PhD *Mcm.*

---

### Department of Polymer Science

#### Associate Professor

John Kingsford Haken, MSc PhD *N.S.W.*, ASTC, FRACI

#### Lecturer

Rodney Phillip Chaplin, BSc PhD *Adel.*, ARACI

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### School of Food Technology

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#### Professor of Food Technology and Head of School

Ronald Alexander Edwards, BSc PhD *N.S.W.*, ASTC, FAIFST

#### Administrative Assistant

Richard John Greenwood, BA *N.S.W.*

#### Senior Lecturers

Kenneth Alan Buckle, BSc PhD *N.S.W.*, AAFST, AFCIA  
Terence Henderson Lee, BSc PhD *N.S.W.*, AAFST  
Ronald Baden Howe Wills, BSc *N.S.W.*, PhD *Macq.*, ASTC,  
AAIFST  
Michael Wootton, BSc PhD *N.S.W.*, AAFST, ARACI

#### Lecturers

Graham Harold Fleet, MSc *Qld.*, PhD *Calif.*, AAFST  
Heather Greenfield, BSc PhD *Lond.*, AAFST

#### Tutors

Brigitte Mary Cox, BSc *N.S.W.*, AFCIA  
Judith Dalglish, BSc *N.S.W.*

#### Professional Officers

Maxwell Robert Beil, BSc *N.S.W.*, ASTC  
Walter Roy Day, MSc *N.S.W.*, ASTC, AAFST

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### School of Geography

---

#### Professor of Geography and Head of School

Jack Alan Mabbitt, MA *Camb.*

#### Professor of Geography

Barry Jardine Garner, BA *Nott.*, MA PhD *Northwestern*

#### Associate Professor

Eugene Albert Fitzpatrick, BA *Wash.*, MA *Syd.*, PhD *Rutgers*

# Calendar

## Senior Lecturers

Frederick Charles Bell, BSc Syd., MSc PhD N.S.W., MSocSigmaXi

Ian Harry Burnley, MA Cant., PhD Well.

Anthony Shepherd, MA Oxf.

Peter Leon Simons, BA PhD Syd.

## Lecturers

Athol Denis Abrahams, BA PhD Syd.

John Richard Dodson, MSc Monash, PhD A.N.U.

Andrew John Holzman, MA Camb., PhD N.S.W.

Michael Dick Melville, BScAgr PhD Syd.

Anthony John Parsons, BA MSc Sheff., PhD R'dg.

Morgan Eugene Cyril Sant, BA Keele, MSc PhD Lond.

Hans Joachim Schneider, Geog Chil. State, DU Bordeaux

Susanne Rae Walker, MA Well., DPhil Oxf.

Donald John Webb, BA DipEd Melb., MPhil Lond., PhD N.S.W.

Frank Williamson, MSc Lond., PhD Syd.

## Senior Tutor

Noel Galvin Lonergan, BA DipEd N.E.

## Tutors

Glenn Atkinson, BSc N.S.W.

Henrietta Ann Boyce, BA Macq.

Fergal Conrad Fleming, BA Otago

Jeffrey Allan Harmer, BA DipEd N.S.W.

Pamela Anne Hazelton, BSc Syd., DipEd N.E.

Robert Kingsley Murfet, BA Tas.

Patricia Christina Vorst, BA Macq.

## Research Assistants

Jeannie Friedewald, BA Macq.

Wayne Alfred Street, BA DipUrbanStud Macq.

## Administrative Assistant

Brian McClenaghan, BA N.E.

## Graduate Assistant

David Owen Johnson, BSc Syd.

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## School of Metallurgy

---

### Professor of Physical Metallurgy and Head of School

Hugh Muir, BMetE Melb., ScD M.I.T., FIM, MAusIMM

### Research Professor of Physical Metallurgy

John Stephen Bowles, MSc Melb., FIM

### Professor of Chemical and Extraction Metallurgy

Vacant

### Senior Administrative Officer

Reginald Arthur Ball, ASTC, MAusIMM, ARACI, AFAIM

### Senior Project Scientist

Anthony Samuel Malin, MSc N.S.W., AIM

### Professional Officers

Edda Filson, ASTC, ARACI

Ulo Joasoo, MSc N.S.W., ASTC

John Milton Newburn, MSc N.S.W., ASTC, AIM

Frederick Henry Scott, BSc N.S.W., MAIP

John Armitage Taylor, ASTC, FAISS, MIEAust, AMAusIMM

---

## Department of Chemical and Process Metallurgy

### Senior Lecturers

Bruce Harris, BSc Syd., MSc N.S.W., AMAusIMM

Alan Philip Prosser, BSc PhD Lond., DIC, ARCS, ARIC, ARACI, AMAusIMM

### Lecturers

Sidney Blairs, BSc PhD Manc.

David Ronald Young, BSc(Eng) PhD Lond., ARSM, AMAusIMM

---

## Department of Materials

### Associate Professor

Lewis Henry Keys, MSc PhD N.S.W., ASTC, FIM

### Lecturers

Peter Krauklis, BSc PhD N.S.W., AIM

Keith Robin Lee Thompson, BSc Wales, PhD N.S.W., AIM

---

## Department of Physical and Industrial Metallurgy

### Associate Professors

Max Hatherly, MSc PhD *N.S.W.*, ASTC, FIM  
Greig Richard Wallwork, BSc PhD *N.S.W.*, ASTC, FIM

### Senior Lecturers

David John Haviland Corderoy, BSc *N.S.W.*, PhD *Sheff.*,  
MWeldI(Lond), AIM, AMAusIMM  
Peter George McDougall, BSc PhD *N.S.W.*, ASTC, AIM  
Roy Thomas Southin, PhD *Camb.*, FIM, MIBF

### Lecturer

Michael Bernard McGirr, BSc *Syd.*, PhD *N.S.W.*

### Teaching Fellow

Alexander John Gouch, BSc(Eng) *Lond.*, ARSM, AIM

---

## School of Mining Engineering

---

### Professor of Mining Engineering and Head of School

Frank Ferdinand Roxborough, BSc PhD *Durh.*, CEng, FIMinE,  
FIMM, MAusIMM

### Professor of Mining Engineering

John Phillip Morgan, BE *Adel.*, ASTC, FSASM, FIEAust, FAIM,  
MAusIMM, MAIME, CertMineManager

### Administrative Assistant

Wolter Cornelis Huisman, BA *N.S.W.*

### Professional Officers

Christopher Raymond Daly, BE *N.S.W.*  
Dominic Francis Howarth, BSc DipMetMin *Wales*, ME *N.S.W.*  
Joseph Arthur Shonhardt, BSc(Tech) *N.S.W.*, AIM, AMAusIMM

### Honorary Associate

Charles Harold Warman, MIEAust, MAusIMM, AWASM

---

## Department of Mining Engineering

### Senior Lecturers

Donald Read Cooley, BE *N.S.W.*, DIC, MIEAust, AMAusIMM  
Edward George Thomas, BE PhD *Qld.*, MAusIMM

### Lecturers

Amal Krishna Bhattacharyya, BSc *Glas.*, MSc *Durh.*,  
PhD *N'cle.(U.K.)*, CEng, PEng, MIMinE, MCIMM  
Ross Leslie Blackwood, BE *Syd.*, PhD *Macq.*, MIEAust,  
AMAusIMM  
Huw Ronald Phillips, MSc *Brist.*, PhD *N'cle. (U.K.)*

### Teaching Fellow

Argyle Douglas Stewart Gillies, BE *N.S.W.*

---

## Department of Mineral Processing

### Senior Lecturer

Russell George Burdon, ME PhD *N.S.W.*, CEng, FInstF,  
MIMM(Lond), MAIME, ASASM, AMAusIMM

### Lecturer

Anthony Charles Partridge, BSc *Leeds*, MSc PhD *McG.*, CEng,  
MCIM, MIMM, AMAusIMM, MAIME

### Teaching Fellow

Norman Douglas Stockton, BE *N.S.W.*

---

## School of Textile Technology

---

### Professor of Textile Technology and Head of School

Malcolm Chaikin, BSc PhD *Leeds*, DipEng *L.I.T.(Shanghai)*, FTI

### Professor of Textile Physics

Max Feughelman, DSc *Syd.*, FAIP, ASTC

### Associate Professors

Arved Datyner, BSc PhD *Lond.*, FTI, FRIC, FSDC  
Colin Herbert Nicholls, BSc *Adel.*, PhD *Leeds*, FRACI, FTI  
Ronald Postle, BSc *N.S.W.*, PhD *Leeds*, FTI, FAIP

## Calendar

### Senior Administrative Officer

Jan Gerstel, Dip TextInd *Leeds*, ATI

### Senior Lecturers

Alexander Douglas Dircks, BE *Syd.*, MSc PhD *N.S.W.*,  
DipTextInd *Leeds*

Mstislav Stephen Nossar, DiplIng *Harbin*, PhD *N.S.W.*, FIEAust

### Lecturers

Ross Ernest Griffith, BSc *N.S.W.*, ATI

Thomas Stanislaus Hickie, BSc PhD *N.S.W.*, ASTC

Michael Thomas Pailthorpe, BSc PhD *N.S.W.*

### Senior Project Scientist

John Raymond McCracken, BE MSc PhD *N.S.W.*

### Project Officer

Desmond Rokfalussy, BE *Bud.*

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Barry William Edenborough, BE PhD *N.S.W.*

Michael David Young, BSc PhD *N.S.W.*, ATI

Ota Zubzanda, DiplIng *T.U. Bratislava*

### Senior Lecturers

John William James, BA *Qld.*, DSc *N.S.W.*

John Douglas McFarlane, BScAgr DipEd *Syd.*, MSc *N.S.W.*,  
MAIAS

Douglas McPherson Murray, BAgSc PhD *Melb.*, MRurSc *N.E.*

Archibald Niven Sinclair, MVSc *Syd.*, FRCVS, FACBS, MACVS

### Lecturer

Stephen James Filan, BAgEc *N.E.*, MSc *N.S.W.*

### Teaching Fellow

Vishwanath Ganpat Kulkarni, MSc *Bom.*, PhD *Leeds*

### Senior Instructors

James Ryall Paynter

Ronald Edward Sallaway

### Professional Officer

Edgar Devaud, IngAgr *Concepcion*

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## School of Wool and Pastoral Sciences

---

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John Patrick Kennedy, MSc *N.S.W.*, BSc *Oxf.*, MAIAS

### Professor of Pastoral Sciences

Haydn Lloyd Davies, PhD *W.Aust.*, BSc *Wales*, MAIAS

### Associate Professors

Walter Ragnhall McManus, BScAgr *Syd.*, PhD *N.S.W.*, MAIAS

Euan Maurice Roberts, MAgrSc *N.Z.*, PhD *N.S.W.*, MAIAS

Kenneth James Whiteley, BSc *N.S.W.*, PhD *Leeds*, MAIAS

### Administrative Assistant

John Edward Lawrence



Professor of Architecture and Head of Department of Graduate Studies

John Christopher Haskell, DipTP *Lond.*, MArch *Natal*, Rome Scholar, RIBA, FRTPI, ARAIA

Professor of Architecture and Head of Department of Undergraduate Studies

Eric Charles Daniels, MArch *N.S.W.*, ASTC, FRAIA, Hon.MIES

Professor of Landscape Architecture and Head of Department

Peter Spooner, DipLD *Durh.*, ASTC, FRAIA, FILA, FAILA, ARIBA

Associate Professors

Neville Joseph Anderson, BArch *Syd.*, MArch *Liv.*, DipTP *Lond.*, FRAIA, MRTPI

Laszia Peter Kollar, MArch PhD *N.S.W.*, ASTC, FRAIA

Anita Barbara Lawrence, MArch *N.S.W.*, FRAIA, MAAS

Administrative Officer

Randall Watkins, DipTech *N.S.W.I.T.*, MRIPA

Senior Lecturers

Richard Eric Apperly, BArch *Syd.*, MArch *N.S.W.*

Robert G. Head, MSc(Building) *N.S.W.*, ASTC, FRAIA

Robert Charles Lewis Irving, MArch *N.S.W.*, ARMTIC, FRAIA

Paul Alan Johnson, BArch *Syd.*, DipCD *N.S.W.*, ARAIA

Peter Thomas Oppenheim, BArch *Cape T.*, MArch PhD *N.S.W.*, ARIBA, ARAIA

Sidney Charles Palmer, BArch *Syd.*, MArch *N.S.W.*, FRAIA

Nancy Claire Peterson, BArch *N.Z.*, MBdgSc *Syd.*, FIEC, ANZIA, ARAIA

Arthur Edgcombe Rupert Purkis, MArch *N.S.W.*, FRAIA, ARIBA

Peter Leggett Reynolds, BArch PhD *N.S.W.*

Clive William Stevens, MArch *N.S.W.*, DipTCP *Syd.*, ASTC

Barry Vivian Wollaston, BArch *Syd.*, FRAIA

Kenneth James Wyatt, BE *Qld.*, MBdgSc *Syd.*, MIEAust

Lecturers

John Albyn Ballinger, BArch *Adel.*, ARAIA

Chris LeRoy Bell, BA(Arch) *Calif.*

Robert John Bryant, BArch *N.S.W.*, MTCP *Syd.*, ASTC, MRAPI, ARAIA

Geoffrey Lindsay Dwyer, ARAIA

Richard Grantley Fitzhardinge, DipArch (Kingston on Thames Poly.), MArch *Calif.*, ARIBA, ARAIA

John Barrie Fraser, DipArt(Ed)

Peter Hale, BArch *N.S.W.*, ARAIA

Graeme Ross Hewett, MSc(Building) *N.S.W.*, ASTC, ARAIA

Richard Hough, BSc BE *N'cle.(N.S.W.)*, MEng *Tor.*, MIEAust

Nicholas Marinov, DipArch *Prague*

Lorna Muir Nimmo, ASTC, FRSA

Ian Roy Patrick, ASTC, ARIBA, ARAIA

Peter Reginald Proudfoot, BArch *Syd.*, MArch *Penn.*, PhD *N.S.W.*, Rome Scholar

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*Comprises Schools of Architecture, Building, and Town Planning.*

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Chairman

Professor E. C. Daniels

Executive Assistant

R. E. Apperly

Senior Administrative Officer

Brian John Newell, BCom *N.S.W.*

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## School of Architecture

---

Professor of Architecture and Head of School

Gareth Edward Roberts, BArch MCD *Liv.*, FRAIA, FRAPI, MRTPI, ARIBA

Professor of Architecture

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

Vinzenz Franz-Josef Sedlak, DipLIngArch. *T.U. Graz*, MPhil *Sur.*  
Warren Albert Selle, BArch *Syd.*, FRAIA  
Harry Anthony Stephens, BArch DipLD *N.S.W.*, ARAIA  
Kwong Hon Tang, BArch *H.K.*, MArch *Melb.*, ARIBA, ARAIA  
Brian Woodward, DipLArch *Oxf.*, RIBA

### Senior Tutors

Victor Martin Berk, BArch, DipAdmin *N.S.W.*  
Marion Anne Burgess, BSc *Syd.*, MSc(Acoustics) *N.S.W.*, MAAS  
Elizabeth Ann Howard, BArch *Syd.*, BA *Macq.*  
Geoffrey Kenneth Le Sueur, BArch GradDip *N.S.W.*  
Paul Edward Walsh, BArch *N.S.W.*

### Tutors

John Robert Kinstler, BArch *Syd.*  
George Michael Rich, BArch *N.S.W.*  
Richard Ralph Winterton, BA DipArch *Camb.*, RIBA

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## Department of Landscape Architecture

### Senior Lecturer

Finn Christopher Thorvaldson, BArch *N.S.W.*, MLArch *Mich.*, ARAIA, AAILA

### Lecturers

Sydney Allison Baggs, MArch DipLD *N.S.W.*, ASTC, FRAIA, AAILA, RIBA  
Russell Colin Smith, DipLD *N.S.W.*, ASTC, FRAIA, AAILA

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## School of Building

### Associate Professor and Acting Head of School

Roger Mark Anthony Miller, BBuild *N.S.W.*, SM CE *M.I.T.*, AAIB

### Professor of Building

Vacant

### Senior Lecturers

Charles Walter Anderson, MBuild *N.S.W.*, ASTC, FAIB  
John Malcolm Hutcheson, MC, BE *Syd.*, BCom *Qld.*, MBA *N.S.W.*, FIEAust, FID, FAIA, AAUQ, LGE, AASA(Snr), AFAIM, AAIB  
Allan Alexander Jack, MBuild *N.S.W.*, ASTC, FAIB  
Graham Edward Levido, BBuild MSc(Building) *N.S.W.*, AAIB

### Lecturers

Ojars Indulis Greste, ME *N.S.W.*, DEng *Calif.*  
David Nevil Hume Hassall, BE MBdgSc *Syd.*, MIEAust  
Bruce Hadford Hawkins, BE *W.Aust.*  
Martin Marosszeky, BE *N'cle.(N.S.W.)*, MEngSc *N.S.W.*, MIEAust  
James Francis Mooney, ASTC, FIQSA  
Clyde Donald Smythe, MBuild *N.S.W.*, ASTC, AAIB

### Tutor

Carol Rose Edds, BBuild *N.S.W.*

---

## School of Town Planning

### Professor of Town Planning and Head of School

Vacant

### Associate Professor

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

### Senior Lecturers

James Leslie King, BArch MTCP *Syd.*, FRAPI  
Zula Nittim, BArch *Melb.*, DipCD PhD *N.S.W.*, FRAIA

### Lecturers

Douglas Robert Daines, DipTCP *Syd.*, MRAPI, ACIV  
Stephen Harris, BTP *N.S.W.*, MRAPI  
Neville Thomas Schaefer, BA *N.E.*, PhD *N.S.W.*  
Robert Bolles Zehner, BA *Amh.*, MA PhD *Mich.*

#### Senior Lecturers

Victor Eugene Emeljanow, MA N.Z., PhD Stan.  
Oliver Fiala, BA MEd DipEd Syd., PhD Colorado, MACE  
Philip Edward Parsons, BA W.Aust., MA PhD Camb.  
Marie-Louise Mathilde Thiersch, MA Adel., PhD N.S.W.  
Jean Wilhelm, AB Smith, MA West Virginia, PhD Minn.

#### Lecturers

Peter Rene Gerdes, PhD Basle  
John Duncan Golder, BA R'dg., MA Brist.  
Margaret Anne Williams, BA Melb., PhD Monash

#### Tutors

Timothy Fitzpatrick, BA Syd.  
David Marshall Martin, BA St. Bernard Coll., Alabama,  
MFA Fla. S.U.  
William Pollak

## Faculty of Arts

*Comprises Schools of Drama, English, French, German, History, History and Philosophy of Science, Philosophy, Political Science, Russian, Sociology, Spanish and Latin American Studies. The following Schools are members of the Faculty: Economics, Mathematics and Psychology.*

#### Dean

Professor F. K. Crowley

#### Chairman

Professor C. R. Bell

#### Executive Assistant

Dr I. D. Black

#### Administrative Assistant

René Roger Karrer, BA N.S.W.

#### Research Assistant

Jacqueline Ilbery, BA N.S.W.

---

## School of Drama

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#### Professor of Drama and Head of School

\*Cecil Robert Burnet Quentin, MA Oxf.

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## School of Economics

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See Faculty of Commerce.

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## School of English

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#### Professor of English and Head of School

Harold James Oliver, MA Syd., FAHA

#### Professor of English

Vacant

#### Associate Professors

Ronald George Geering, MA DipEd Syd.  
Harry Payne Heseltine, BA W.Aust., MA PhD Louisiana State

\*Retired from the University, 31 December 1977.

**Senior Lecturer**

James Michael Allen, BA *Rand* and *Oxf.*

**Lecturers**

Eleanore Margaret Bradstock, BA DipEd *Syd.*, MA *Macq.*

Mary Elizabeth Chan, MA *Victoria*, PhD *Cant.*, LTCL

Michael Joseph Crennan, MA *Melb.*

Roslynn Doris Haynes, BSc *Syd.*, MA *Tas.*, PhD *Leic.*

Anthony John Bruce Johnson, MA *Adel.*, PhD *Lond.*

Denise Desiree Harding Kalfas, BA *Syd.*,

MA DipClassArchaeol *Oxf.*

Richard Elton Raymond Madelaine, BA *Adel.*, PhD *Lond.*

Janet Christine Walker, MA *Syd.*

**Senior Tutor**

Pauline Ethel Watson, BA DipEd *Syd.*, MA *N.S.W.*

**Tutors**

Robyn Ann Graham, BA *N.S.W.*

Marlene Ann Hall, BA *Syd.*

Alan Gibson Kennedy, MA LLB *Syd.*

Rosalind Ann Pitman, BA *N.E.*

Louise Katherine Wakeling, BA *N.S.W.*, DipEd *N.E.*, MA *Adel.*

---

## School of French

---

**Professor of French and Head of School**

Jean Stephane Jacques Roger Henri Chaussivert, LèsL *Paris*,  
MèsL *Poitiers*

**Senior Lecturer**

Michael John Freyne, MA *N.Z.*, LèsL Dipl.d'Et. Prat.(Phon.)  
*Paris*, DèSL *Paris-Sorbonne*

Anthony Stewart Newman, BA DipEd *Syd.*, DU *Besançon*

**Lecturers**

Maurice John Blackman, BA *Syd.*, PhD *N.S.W.*

Emmeline Marie Josette Boothroyd, BA *Syd.*

Alan Lawrence Chamberlain, BA DipEd *Syd.*, DU *Paris*

Vera Sauran, LScPol *Paris*, PhD *N.S.W.*

**Tutors**

Nelly Andrée Pointis, LèsL *Paris*

Françoise Josette Saint, MèsL LèsL CAPES *Paris*

Luciana Josephine Trojer, BA *N.S.W.*, MèsL *Paris-Sorbonne*

---

## School of German

---

**Professor of German and Head of School**

John Rowland Milfull, BA PhD *Syd.*

**Senior Lecturer**

Gero Max von Wilpert, PhD *N.S.W.*

**Lecturers**

Gerhard Fischer, MA *St. Cloud*, PhD *N.Y. State*

Bernd Rüdiger Hüppauf, DrPhil *Tübingen*

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

Olaf Günter Reinhardt, BA PhD *Syd.*

Margaret Anne Rose, BA PhD *Monash*

Harry Leonard Simmons, BA *W.Aust.*, PhD *A.N.U.*

---

## School of History

---

**Professor of History and Head of School**

Francis Keble Crowley, MA PhD *Melb.*, DPhil *Oxf.*, FAHA

**Professor of History**

Patrick James O'Farrell, MA *N.Z.*, PhD *A.N.U.*, FAHA

**Associate Professor**

Kathleen Nellie Woodroffe, MA PhD *Adel.*

**Senior Lecturers**

Ian James Bickerton, BA *Adel.*, MA *Kansas*, PhD *Claremont*

Ian Donald Black, BA *Adel.*, PhD *A.N.U.*

Richard Ian Cashman, BA *Syd.*, MA *Monash*, PhD *Duke*

Alan David Gilbert, MA *A.N.U.*, DPhil *Oxf.*

Beverley Rhonda Kingston, BA *Qld.*, PhD *Monash*

Michael Naylor Pearson, MA *Auck.*, PhD *Mich.*

**Lecturers**

Philip Sidney Edwards, BA *Lond.*, PhD *Camb.*

Frank Farrell, BA *A.N.U.*, DipEd *Canberra* C.A.E., PhD *A.N.U.*

Maxwell Vernon Harcourt, MA *W.Aust.*, PhD *Sus.*

John Edward Ingleson, MA *W.Aust.*, PhD *Monash*

Martyn Lyons, BA PhD *Oxf.*

Michael Matthew McKernan, BA *A.N.U.*, PhD *A.N.U.*

Jürgen Tampke, BA *Macq.*, PhD *A.N.U.*

Ian Robert Tyrell, BA *Qld.*, MA PhD *Duke*

David Robert Walker, BA *Adel.*, PhD *A.N.U.*

**Tutors**

Carolyn O'Brien, MA *Qld.*  
 Andree Margaret Wright, BA *N.S.W.*

---

## School of History and Philosophy of Science

---

### Professor of History and Philosophy of Science and Head of School

Jarlath Ronayne, MA *Dub.*, PhD *Camb.*

### Professor of History and Philosophy of Science

John Basil Thornton, BA BSc *Syd.*

**Senior Lecturers**

Robert Mortimer Gascoigne, MSc *Syd.*, PhD *Liv.*  
 William Hilton Leatherdale, BA *Melb.*, PhD *N.S.W.*  
 David Roger Oldroyd, MA *Camb.*, MSc *Lond.*, PhD *N.S.W.*

**Lecturers**

William Randall Albury, BA PhD *Johns H.*  
 Guy Allard Freeland, BA PhD *Brist.*, CertHist&PhilosSci *Camb.*  
 John Richard Saunders, BSc *Sus.*, PhD *N.S.W.*

**Senior Tutor**

Nessy Allen, BA DipEd *N.S.W.*

**Tutors**

John Carey Forge, BA *Cornell*, DipEd *McG.*, MA *Lond.*  
 Paul Stuart Foss, BPharm *Syd.*, MSc *Syd.*

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## School of Mathematics

---

See Faculty of Science.

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## School of Philosophy

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### Professor of Philosophy and Head of School

Charles Leonard Hamblin, BSc MA *Melb.*, PhD *Lond.*

**Senior Lecturers**

Richard Eric Dowling, BA *Syd.*, PhD *Lond.*  
 Peter Cornwallis Gibbons, BA *Syd.*, BPhil *Oxf.*  
 Raymond Steven Walters, MA *Syd.*

**Lecturers**

Stephen Cohen, AB *Brandeis*, MA PhD *Chic.*  
 Francis Neil Harpley, BA *Syd.*  
 Barbara Anne Roxon, BA *Syd.*  
 Frank Vlach, MA PhD *Calif.*

---

## School of Political Science

---

### Professor of Political Science and Head of School

Douglas MacRae McCallum, BA *Syd.*, MA BPhil *Oxf.*

**Professor**

Preston King, BA *Fisk, Tennessee*, MSc PhD *L.S.E.*

**Associate Professor**

Owen Harries, BA *Wales*, MA *Oxf.*

**Senior Lecturers**

Conal Stratford Condren, MSc(Econ) PhD *Lond.*  
 Donald Richmond Horne  
 Anthony Creedon Palfreman, LèsScPol *Geneva*, MA *A.N.U.*  
 George Shipp, MEd *Syd.*

**Lecturers**

Adrian Man-Cheong Chan, BA *Syd.*, PhD *A.N.U.*  
 Sailesh Chandra Ghosh, BA *Dacca*, MA *Calc.*, MSocSc  
*Inst.Soc.Stud., The Hague*, PhD *Manc.*  
 Hartmut Kopsch, BA *Sheff.*, MA *Br.Col.*, PhD *Lond.*  
 Frederick Alexander Mediansky, BA *San Francisco*, PhD *Syd.*  
 John Barrington Paul, MA *Melb.*  
 Elaine Vera Thompson, BEc PhD *Syd.*

### Tutors

Damian John Grace, BA *N.S.W.*  
Robert John Griffin, BA *N.S.W.*  
Philippa Ann Hall, BA *Syd.*  
Steven John Staats, BA *Melb.*, MA *Duke*

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## School of Psychology

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See Faculty of Biological Sciences.

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## School of Russian

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### Professor of Russian and Head of School

Tatjana Cizova, BA *Syd.* and *Lond.*, DiplSlavStudies *Oxf.*

### Senior Lecturer

Michael Ulman, Diplom *Leningrad State Univ.*

### Lecturer

Barry Edward Lewis, BA MPhil *Leeds*

### Senior Tutor

Victoria Gantimourova, CandCommScis *Inst. Oriental & Comm. Scis, Harbin*

---

## School of Sociology

---

### Professor of Sociology and Head of School

Colin Roy Bell, BA *Keele*, MScEcon *Wales*

### Professor

Solomon Encel, MA PhD *Melb.*

### Senior Lecturers

Stephen Oliver D'Alton, MEd *Syd.*, PhD *N.S.W.*  
Alexander Kondos, BA *W. Aust.*, PhD *N.S.W.*

### Lecturers

Michael Paul Bittman, BA *N.S.W.*  
William John Bottomley, BA *Syd.*  
Bettina Cass, BA *N.S.W.*  
Terence Sean Leahy, BA *Syd.*, MA *Car.*  
Frances Hewlett Lovejoy, BSc BCom *Qld.*, MAgEc *N.E.*  
Alexander Francis Mamak, BA *Calif.*, MA PhD *Hawaii*  
Grant Edwin McCall, BA *Calif.* and *San Francisco*, BLitt *Oxf.*, PhD *A.N.U.*  
Hannah Elina Middleton, BA *Lond.*, PhD *Berlin East*  
John Joseph Ray, MA *Syd.*, PhD *Macq.*  
Henrietta Resler, BA *N.S.W.*  
James Stanley Ward, BA *Calg.*, BPhil *Liv.*, PhD *Maryland*

### Tutors

Cristina Cordero, Geog *Chilean State Univ.*,  
CertD'EtudesSup *Bordeaux*  
Mira Crouch, BA *Syd.*  
Ann Emily Daniel, BEc *Syd.*  
Kate Frances Inglis, BA *Hull*  
David Allen Roberts, BSc(Soc) *Lond.*, PGCE *Liv.*

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## School of Spanish and Latin American Studies

---

### Professor of Spanish and Head of School

Robert Johnson, MA *Camb.*

### Senior Lecturers

James Robert Levy, MA *Col.*, PhD *Penn.*  
Luis Alberto Vargas Saavedra, MA *Chile*, PhD *Madrid*

### Lecturers

Jane Yankovic Bandler, BA *Chatham*, MA PhD *Yale*  
Miguel Americo Bretos, BLitt *Inst. de Matanzas, Cuba*,  
BA *St. Bernard College Alabama*, MA *Univ. of Nebraska*,  
PhD *The Vanderbilt Univ.*  
John Thomas Brotherton, BA PhD *Birm.*  
Stephen William George Gregory, MA *Sheff.*  
John Stevenson, MA *Essex and Lond.*

## Faculty of Biological Sciences\*

*Comprises Schools of Biochemistry, Biological Technology, Botany, Microbiology, Psychology and Zoology.*

### Dean

Professor B. J. F. Ralph

### Chairman

Professor S. H. Lovibond

### Administrative Officer

Patrick James MacGinley, BA N.S.W.

### Professional Officer

Rose Ann Varga, BSc N.S.W.

---

## First Year Biology Teaching Unit

---

### Director

Dr A. E. Wood

### Senior Tutors

Alan Robert Pierre Journet, BSc *Wales*, PhD *McG.*

Helen Patricia Ramsay, MSc PhD *Syd.*

### Tutors

Timothy Lionel Ormandy Davis, BSc PhD *N.E.*

Colin Wemyss Heath, BSc *LaT.*

Carolyn Jean Jeffery, BSc *Qld.*

William Bernard Kilkeary, MSc *Syd.*

### Professional Officer

Anthony Ross Smith-White, BSc *Syd.*

### Research Assistant

Julia Steinborn, BSc *Syd.*

---

## School of Biochemistry

---

### Professor of Medical Biochemistry and Head of School

William James O'Sullivan, BSc *W.Aust.*, PhD *A.N.U.*

### Professors of Biochemistry

Barry Vaughan Milborrow, BSc PhD DSc *Lond.*, FLS, FIBiol

Edward Owen Paul Thompson, MSc DipEd *Syd.*,

PhD *Scd Camb.*, ARACI

### Associate Professors

John Bruce Adams, MSc *Syd.*, PhD *N.S.W.*, ARACI

Keith Guenther Rienits, MSc *Syd.*, PhD *Birm.*

Philip John Schofield, BSc PhD *N.S.W.*

### \*Board of Studies in Science and Mathematics.

The Board of Studies in Science and Mathematics includes all members of the Faculty of Biological Sciences and the Faculty of Science, and some members of specific Schools in other faculties contributing to the Science and Mathematics Course: 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, Surgery (Medicine); Education (Professional Studies); and the Department of General Studies (Board of Studies in General Education).

## Senior Lecturers

Kevin David Barrow, MSc PhD *Adel.*  
Antony George Mackinlay, MSc PhD *Syd.*  
Roy Tirrell, BSc *Syd.*, PhD *N.S.W.*

## Lecturers

Aldo Sebastian Bagnara, BSc PhD *Melb.*  
Michael Richard Edwards, MA PhD *Camb.*  
Ian James McFarlane, BSc PhD *Syd.*  
Kenneth Edward Moon, BSc PhD *N.S.W.*  
Thomas Stanley Stewart, BSc *Syd.*, PhD *N.S.W.*  
George Zallitis, BSc PhD *W.Aust.*

## Senior Tutor

Jill Lorraine Gibbons, BSc *Syd.*

## Tutors

Douglas John Brattan, BSc *N'cle. (N.S.W.)*  
Elur Kuppuraj Vijayakumar, MSc *Madr.*  
Coral Vern Ann Wynter, BSc *Syd.*, PhD *Lond.*

## Teaching Fellows

Arthur Brian Jenkins, BSc *Qld.*  
Peter Henry Leighton, BSc *N.S.W.*  
Karen Kwat Har Li, BSc *N.S.W.*

## Professional Officers

Antonio Luiz d'Assumpcao, BSc *Syd.*  
Walter Samuel Golder, BPharm MSc PhD *Syd.*, ASTC,  
DipMedTech, MPS  
Wayne George Kelly, MSc *N.S.W.*  
Choy Soong Daniel Lee, MSc *N.S.W.*  
Andrew George Netting, BSc PhD *N.S.W.*

## Lecturers

Noel William Dunn, MSc *Melb.*, PhD *Monash*  
Peter Philip Gray, BSc *Syd.*, PhD *N.S.W.*  
David Edward Tribe, BSc *Melb.*

## Professional Officers

Thomas Babij, BSc *Syd.*, MSc *N.S.W.*, ARACI  
Robert Barrie Doble, BSc *N.S.W.*  
Ching Lien Wong, MSc PhD *N.S.W.*

---

## School of Botany

---

### Professor of Botany and Head of School

Derek John Anderson, BSc *Nott.*, PhD *Wales*

### Associate Professors

Mary Maclean Hindmarsh, BSc PhD *Syd.*  
Haydn John Willetts, MSc *Brist.*, PhD *N.S.W.*

### Senior Lecturers

Michael John Kempster Macey, BSc *Lond.*, MSc PhD *N.S.W.*  
John Henry Palmer, BSc PhD *Sheff.*, FIBiol  
Christopher John Quinn, BSc *Tas.*, PhD *Auck.*  
Robert Stanley Vickery, BScAgr PhD *Syd.*

### Lecturers

Anne Elizabeth Ashford, BA *Camb.*, PhD *Leeds*  
Stephen Francis Delaney, BSc *Sheff.*, PhD *Liv.*  
Robert John King, BSc DipEd PhD *Melb.*  
John Teast Waterhouse, BSc *Syd.*, MSc *N.S.W.*, MSc *R'dg.*,  
FLS  
Alec Edward Wood, BScAgr *Syd.*, PhD *N.S.W.*

### Tutors

Jane Tarran, BSc DipEd *N.S.W.*  
Gregory John Olson, BSc *Syd.*

### Professional Officer

Milos Kratochvil, IngAgr *Prague*

### Honorary Associates

Lawrence Alexander Sidney Johnson, BSc DSc *Syd.*  
Spencer Smith-White, DScAgr *Syd.*, FAA

---

## School of Biological Technology

---

### Professor of Biochemistry and Head of School

Bernhard John Fredrich Ralph, BSc *Tas.*, PhD *Liv.*, FRACI

### Associate Professor

Pamela Athelie Deidre Rickard, BSc *Syd.*, MSc *N.S.W.*,  
PhD *Lond.*

### Senior Lecturer

Peter Lindsay Rogers, BE *Adel.*, DPhil *Oxf.*



---

## School of Microbiology

---

### Professor of Microbiology and Head of School

Kevin Charles Marshall, BScAgr *Syd.*, MS PhD *C'neil*.

### Professor of Medical Microbiology

Geoffrey Norton Cooper, MSc PhD *Melb.*

### Associate Professor

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

### Lecturers

Yvonne Marie Barnet, BScAgr *Syd.*, PhD *N.S.W.*

Iain Couperwhite, BSc PhD *Strath.*

Brian James Wallace, BSc PhD *Melb.*

### Senior Tutor

Basil Patrick McBrien, MSc *N.S.W.*, ASTC

### Tutors

Barbara Lillian Blainey, BSc *Melb.*

Pamela Leslie Stark, MSc *Syd.*

### Professional Officers

Beverley Humphrey, BSc *Syd.*

Mary Essic Johnsen, BSc *Qld.*

Kenneth Gerard Kenrick, FAIMLT

Marshall Henry Maxwell Wilson, BSc *N.S.W.*

---

## Medical Microbiology

### Senior Lecturers

Royle Anthony Hawkes, BScAgr *Syd.*, PhD *A.N.U.*

Graham Douglas Fischer Jackson, BSc PhD *Adel.*

Adrian Lee, BSc PhD *Melb.*

### Senior Tutor

Elizabeth Hazel Hegarty, MSc *Qld.*

### Tutors

Hazel Marjory Young, BSc *Strath.*

Nerissa Glenda Hartwig, BSc *Adel.*

### Honorary Associate (School)

Phyllis Margaret Rountree, DSc *Melb.*, DipBact *Lond.*

---

## School of Psychology

---

### Professor of Psychology and Head of School

Laurence Binet Brown, MA DipEd *N.Z.*, PhD *Lond.*

### Professor of Psychology

Sydney Harold Lovibond, BA *Melb.*, MA PhD DipSocSc *Adel.*

### Professor of Psychology

Vacant

### Associate Professor

Donald McNicol, BA *Adel.*, PhD *Camb.*

### Administrative Officer

Trevor John Clulow, BA *N.S.W.*

### Senior Lecturers

Stephen Bochner, BA *Syd.*, MA *Hawaii*, PhD *N.S.W.*

Alexander Edward Carey, BSc *Lond.*

Evan Edwin Davies, MA *Syd.*, PhD *N.S.W.*

Keith Raymond Llewellyn, BA PhD *Syd.*

### Lecturers

Kevin Douglas Bird, BSc PhD *N.S.W.*

James Christopher Clarke, MA *N.Z.*, PhD *N.Y. State (Stony Brook)*

Patrick John Cleary, BSc *Qld.*, PhD *N.S.W.*

Sydney Engelberg, BA *Rand.*, MS *Hebrew Univ. of Jerusalem*, MA PhD *N.Y. State*

Austin Sorby Faust-Adams, BA *Adel.*, MA PhD *Mich.*

Joseph Paul Forgas, BA *Macq.*, DPhil *Oxf.*

William Taylor Hardy, BA *Claremont*, MA PhD *Calif.*

William Hopes, BA *Syd.*

Edward James Kehoe, BA *Lawrence*, MA PhD *Iowa*

Charles Porter Kenna, BA BSc *Syd.*

John Cunningham Murray, BA *Syd.*

George Paxinos, AB *Calif.*, MA PhD *McG.*

John Eaton Taplin, BSc PhD *Adel.*

Reginald Frederick Westbrook, MA *Glas.*, DPhil *Sus.*

### Tutors

Roger David Adams, BA *Adel.*

William Gordon Adams, BSc *N.S.W.*

Dorien Lee Hayes, BA *Adel.*

Michael Atholstone Hill, BSc *N.S.W.*

Elizabeth Anne Kennedy, BA *Syd.*

Carmen Christine Moran, BA *N.S.W.*

Glenn Peter Richard, BSc *Glas.*

Naomi Roseth, BA PhD *N.S.W.*

# Calendar

Sherrill Spears, BA *N.S.W.*  
Shirley Anne Walls, BA *N.S.W.*  
Marie Jeanette Waterhouse, BA *Melb.*

## Graduate Assistant

Noel Margaret Wilton, BSc *N.S.W.*

## Professional Officer

Angus John Fowler, BSc *N.S.W.*

## Honorary Associate

Thomas Angus McKinnon, MA PhD *Syd.*

## Teaching Fellows

Duncan Walker McArthur, BSc *Strath.*  
Graham Alexander Settle, BSc *Syd.*

## Professional Officers

Beverley Anne Ellis, BSc *N.S.W.*  
Ladislav Lehoczy, MD *Szeg*

## Honorary Associates

Ronald Strahan, MSc *W.Aust.*, FSIH  
Kenneth Radway Allen, MA ScD *Camb.*

## Honorary Fellow

Judith Everleigh Marlow, BSc *Lond.*

---

# School of Zoology

---

## Professor of Zoology and Head of School

Terence John Dawson, BRurSc PhD *N.E.*

## Senior Lecturers

Rossiter Henry Crozier, MSc *Melb.*, PhD *C'neil.*  
Charles Keith Goddard, BSc *Edin.*, PhD *St.And.*  
Robert John MacIntyre, MSc *Cant.*, PhD *McG.*  
Aola Mary Richards, MSc PhD *N.Z.*  
Erik Shipp, BSc *Syd.*, PhD *N.S.W.*

## Lecturers

Michael Lane Auger, BSc *Willamette*, PhD *Monash*  
Alan Michel Beal, DipAH *Qld. Agr. Coll.*, BSc PhD *Qld.*  
David Benjamin Croft, BSc *Flin.*, PhD *Camb.*  
Peter Greenaway, BSc PhD *N'cle. (U.K.)*  
Clifford John Francis Harrop, BSc *Adel.*, PhD *Camb.*  
Arthur Woods, MA *Oxon.*, FRES, MIBiol

## Senior Tutor

Patricia Irene Dixon, BSc PhD *N.S.W.*, DipEd *Syd.*

## Tutor

Barbara Millicent Bohdanowicz, BSc DipEd *Syd.*  
Alan Dennis Needham, BSc *N.S.W.*

---

## School of Accountancy

---

**Professor of Finance, Head of School of Accountancy and of Department of Finance**

Rex Charles Olsson, BEc Syd., MBA PhD N.Y., FASA

**Professor of Information Systems**

Cyril Henry Putnam Brookes, BE MEngSc Syd., DPhil Oxon., MIEAust

**Professor of Accountancy and Head of Department of Management Accounting and Information Systems**

Athol Sprott Carrington, MCom N.Z., FASA, FCA(NZ), CMANZ, FCIS

**Professor of Accountancy**

Ronald Ma, BCom Lond., MBA Br.Col., FCCA, FASA

**Professor of Accountancy and Head of Department of Legal Studies and Taxation**

John Lawrence Ryan, BA St. Thomas, BCL NewBr., PhD Lond.

**Professor of Accountancy and Head of Department of Financial Accounting**

Vacant

**Executive Assistant**

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

**Administrative Assistant**

Olga Chaplin, BA N.S.W.

---

## Department of Finance

**Lecturers**

Steven Ross Bishop, BEc Monash, AASA

Anthony Dante Castagna, BCom N'cle.(N.S.W.), MBA PhD N.S.W., AASA(Senior)

Leonard Greenwood, BSc Melb., MPhil MBA PhD Col.

Gabriel Noti, BE BSc Syd., Dip ENA (Finance and Economics) Paris, MBA PhD N.S.W.

Toan My Pham, BEc Tas., MCom N.S.W., AASA(Senior)

Michael Thomas Skully, BSBA Arizona, MBA Utah, DipEcon Stockholm, AASA, ACIS, ASIA

**Senior Tutor**

Garry James Twite, BA GradDip(Acc) Canberra C.A.E., AASA(Prov)

## Faculty of Commerce

*Comprises Schools of Accountancy, Economics, Marketing and the Department of Behavioural Science.*

**Dean**

Professor A. S. Carrington

**Chairman**

Professor R. A. Layton

**Professor of Business Administration and Co-ordinator of Interdisciplinary Graduate Studies**

Neville Reginald Wills, BEc MSc Syd., FRGS Lond.

**Executive Assistant to the Dean (Student Counselling and Guidance)**

Associate Professor G. Howitt

**Executive Officer**

Anthony Michael McNamara, BA Syd.

**Administrative Assistant**

Ethel June Hing, BEc Syd.

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### Programming Unit

**Professional Officer**

Kenneth John Schofield, BSc BE N.S.W.

**Programmer**

Eriko Kinoshita, BSc N.S.W.

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## Department of Financial Accounting

### Senior Lecturers

Anthony Ashley Forster, BEc Syd., FASA, FCA, FCIS, FSIA, CIA  
David Joseph Fraser, BEc Syd., MCom N.S.W., FCA, AASA(Senior), ACIS  
Victor Michael Levy, BEc Syd., AASA, ACIS  
Malcolm Conrad Miller, MCom N.S.W., AASA(Senior), ACA, ACIS

### Lecturers

Brian Booth, BCom Qld., MCom N.S.W., AASA(Senior), AAUQ  
Nina Kingston, MCom N.S.W., DipCom Syd., AASA  
David Alexander McDonell, BCom N.S.W., AASA(Senior), ACA  
Richard Donald Morris, BCom Qld., MBA N.S.W., AAUQ(Prov), AASA(Senior)  
Marcus John O'Connor, BCom N.S.W., AASA  
Alexander James Pekin, BCom Melb., MCom N.S.W., MA(HospAdmin) Iowa, AHA  
Alfred Edward Fulton Rofe, BA LLB Syd., BCom N.S.W., AASA(Senior), ACIS  
Peter Schelluch, BCom N.S.W., AASA  
Graham George Sullivan, BCom Auck., MBA N.S.W., ACA, AASA(Senior)  
Paul Anthony James Truda, BEc Syd., MCom N.S.W., ACA

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## Department of Legal Studies and Taxation

### Senior Lecturer

Albert William Lacey, AM, LLB Syd., PhD Lond., MBSC

### Lecturers

Bradford Caffrey, BA Johns H., LLB La Salle, DipEd W.Aust., LLM Syd.  
Hilton Leigh French, LLM Syd., BA N.E.  
Timothy James McCarthy, BCom N.S.W., LLM Syd., AASA, ACIS  
Andrew Llewellyn Terry, LLM Cant.

### Tutors

Alexander Henry Robert Hillston, BJur N.S.W.  
Geoffrey John Lehmann, BA LLB Syd.

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## Department of Management Accounting and Information Systems

### Associate Professors

Walter Leonard Burke, BA BEc Syd., FASA, ACIS  
Phillip John Grouse, MSc Syd., BD Lond., ThL

### Senior Lecturers

Ronald Gordon Dryen, BA N.S.W., FASA  
Victor Andrew Fatseas, MCom N.S.W., AASA(Senior)  
Michael John Lawrence, BSc BE Syd., MS PhD Calif.  
John Henry McClelland, BSc MAgrSc Melb.

### Lecturers

Pamela Edith Angus-Leppan, BSc Witw., BCom N.S.W., AASA(Prov)  
Charles William Frederick Beelaerts, BEc Syd., MBA Harv.  
Graham William Bradley, BEc Syd., MCom N.S.W.  
Basil Dale, BA N.E., MCom N.S.W., AASA(Senior), ACIS  
David Ross Jeffery, BCom Qld., AAUQ, AASA(Senior)  
Eric Andreas Kulakauskas, BEc Tas., MCom N.S.W.  
David Lewis, BE Qld., MBA N.S.W.  
John Stanley Macmullen, BCom N.S.W., AASA  
Dominic Hoeg Staun, BA(Acc) Canberra C.A.E., MCom N.S.W., AASA(Senior)  
Kenneth Thomas Trotman, MCom N.S.W., AASA(Senior)  
Terence Robert Vagg, BCom N.S.W.  
John Frederick Williams, MCom N.S.W., AASA(Prov)

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## First Year Studies Unit

### Associate Professor

Gordon Howitt, BEc Syd., MCom N.S.W., ASTC, AASA(Senior), ACIS

### Tutors

John Michael Barboutis, BCom N.S.W.  
Samuel Campisi, BCom N.S.W., AASA, ACIS  
Trevor Peter Clarke, BSc MBA Alta., AASA(Senior)  
Nikhil Ranjan Das, MCom Rajsh., DipNIAPE  
Christine Hawkins, BCom N.S.W., AASA(Senior)  
Lyndon Harry Leslie Lyons, BCom N.S.W.  
Walter Penninger, BCom N.S.W.  
William Linton Raper, BCom N.S.W., AASA(Prov)

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## Department of Behavioural Science

### Professor of Business Administration and Head of Department of Behavioural Science

Dexter Colboyd Dunphy, BA Med DipEd Syd., PhD Harv.

### Associate Professor

Gordon William Ford, BA DipEd Syd., MA(Econ) Calif.

### Senior Lecturers

Alan Matthew Bordow, BS *Wis.*, MA PhD *Col. State*  
 Anthony Francis Donovan, MA PhD *N.U.I.*  
 Barry Russell Maley, BA *Syd.*, MA *A.N.U.*

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## School of Economics

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Professor of Economics, Head of School of Economics and  
 of Department of Industrial Relations

John Rodney Niland, MCom *N.S.W.*, PhD *Ill.*

Professor of Economics

John Robert Hewson, BEc *Syd.*, MA *Sask.*, MA PhD *Johns H.*

Professor of Statistics and Head of Department of  
 Econometrics

Nanak Chand Kakwani, MA PhD *Delhi*

Research Professor of Economics

Murray Chilvers Kemp, BCom MA *Melb.*, PhD *Johns H.*

Professor of Economics

Maurice McManus, BCom PhD *Birm.*

Professor of Economics and Head of Department of  
 Economics

John Warwick Neville, BA *W.Aust.*, MA PhD *Calif.*, FASSA

Professor of Economic History and Head of Department of  
 Economic History

William Gordon Rimmer, MA PhD *Camb.*, AM *Harv.*, FRHistS

Administrative Assistant

Stephen Lee Marks, BSc *Syd.*

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## Department of Econometrics

Senior Lecturers

Nripesh Podder, MA *Calc.*, PhD *N.S.W.*  
 Eric Richard Sowe, BEc *Syd.*, BSc PhD *N.S.W.*, MSc *Lond.*  
 John Alton Zerby, MA *Penn. State* and *Vanderbilt*

### Lecturers

Ronald Anthony Bewley, BA *Sheff.*  
 Warren Richard Hughes, MCom *Auck.*, DBA *Indiana*  
 John Lewis Knight, MCom *N.S.W.*  
 Daniel-Marie Paul Yvon Leonard, IngAgr (I.N.A. Paris), MSc  
 PhD *Ill.*  
 Anthony David Owen, BA *Leic.*, MA *Kent*

Senior Tutor

Robert John McMillan, MCom *Cant.*

Tutors

Denzil Gwydir Fiebig, BCom *N.S.W.*  
 Shimon Hemli, BA *Bar-Ilan*, MCom *N.S.W.*

---

## Department of Economic History

Associate Professor

Srinivasa Ambirajan, MA PhD *And.* and *Manc.*

Lecturers

David Leonard Clark, BEc PhD *Syd.*  
 Barrie Drummond Dyster, MA *Syd.*, PhD *Tor.*  
 Ian Clifford Inkster, BA *E. Anglia*  
 David Meredith, BA PhD *Exe.*  
 Stephen James Nicholas, BA *Syr.*, MA *Iowa.*  
 Peter Hugh Nolan, BA *Camb.*, MSc *Lond.*  
 John Albert Perkins, BSc(Econ) *Hull*  
 David Hewitt Pope, MEc *Monash.*, MA *Ohio State*, PhD *A.N.U.*  
 Peter Roger Shergold, BA *Hull*, MA *Ill.*, PhD *Lond.*

Tutors

Chaudhry Imran Ali, BA *Sus.*  
 Gary Kenneth Chittick, BEc *N.E.*, BA *Macq.*  
 Leonie Carmel Doran, BEc *Syd.*

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## Department of Economics

Associate Professors

Richard Manning, BA *Otago*, MA *Cant.*, PhD *LaT.*  
 Gregory Duncan McColl, MSc(Econ) PhD *Lond.*  
 Kenneth Deakin Rivett, MA PhD *Melb.*  
 Neil Runcie, BEc *Syd.*, PhD *Lond.*  
 Douglas John Stalley, MEc *Adel.*, MBA *Col.*, AUA

Senior Lecturers

Peter Calvo, MSc(Econ) PhD *Lond.*  
 Norman James Dudley, BAgEc PhD *N.E.*  
 Gregory Michael Folie, BE *Melb.*, MSc(Econ) *Lond.*, PhD *S'ton.*  
 DIC, MIEAust

## Calendar

Robert Victor Horn, MEc Syd., DrRerPol *Cologne*  
Thomas Gregory Parry, MEc Syd., PhD *Lond.*  
Margaret Joan Vipond, BA *Durh.*

### Lecturers

David Ross Chapman, BA *N.E.* MA(Econ) *Essex*  
Robert Maxwell Conlon, MCom *N.S.W.*  
Geoffrey Francis Fishburn, BA PhD *N.S.W.*  
Peter John Forsyth, MEc Syd., DPhil *Oxf.*  
Paul John Forward, MCom DipEd *N.S.W.*, MSc(Econ) *Lond.*  
David Ronald Gallagher, MAgrEc *N.E.*  
James Robert Hanratty, BEc Syd., MSc(Econ) *Lond.*  
Charles William Junor, MCom *N.S.W.*  
Fu-Chi-Liu, MA *Taiwan*, PhD *Roch.*  
Robin Elizabeth Pope, BA *N.E.*, MEc *Monash*, MA *Ohio State*  
Behara Bhaskara Rao, BA *And.*, MA *Ban.*, BSc(Econ) *Lond.*  
Geoffrey Herbert Waugh, BSc Syd., MCom *N.S.W.*

### Principal Tutor

Trevor Robert Stegman, BCom *N.S.W.*

### Senior Tutors

Rita Hardie, BEc Syd., MCom *N.S.W.*  
Andrew Chi Kuen Lo, BA *Melb.*, MA *N.S.W.*  
Mary Ellen Pickering, BEc Syd., MEc DipEd *N.E.*

### Tutors

Michael Joseph Lauer, BCom *N.S.W.*  
John Richard Nicol, BA MCom *N.S.W.*  
Leonard John Perry, MCom DipEd *N.S.W.*  
Robert Henry Keith Sloan, MCom DipEd *N.S.W.*  
Christine Marion Webb, BCom *N.S.W.*

### Teaching Fellow

Helen Beatrice Bendall, BA *N.S.W.*

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## Centre for Applied Economic Research

### Director

Professor J. W. Neville

### Research Associates

R. M. Conlon  
Dr G. M. Folie  
Professor N. C. Kakwani  
Associate Professor G. D. McColl  
Dr T. G. Parry  
Robin E. Pope  
B. B. Rao  
Margaret J. Vipond  
J. A. Zerby

### Research Officer

Alison Joy Harvie, BA *A.N.U.*

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## Department of Industrial Relations

### Associate Professor

Frank Seymour Stevens, BA Syd., MA *Stan.*, PhD *N.S.W.*

### Senior Lecturers

Sahab Dayal, MA *Alld.*, MSc *Lond.*, PhD *Corn.*  
William Ernest Hotchkiss, MEc Syd., MCIT

### Lecturers

Braham Dabscheck, MEc *Monash*  
Stephen Jerome Frenkel, BA *Camb.*, MA *Warw.*

### Tutor

Carmel Anne Wooden, BCom *N.S.W.*

---

## School of Marketing

### Professor of Marketing and Head of School

Roger Alexander Layton, MEc Syd.

### Senior Lecturers

George Holmes, DipM *Liv.*, MA *Lanc.*  
Raymond Christopher O'Leary, BE Syd., MA *Lanc.*

### Lecturers

Stanley Glaser, BA Syd., PhD *N.S.W.*  
Kenneth LeLievre, MA Syd.  
Ian Frederick Wilkinson, BSc *S'ton.*, MSc *Warw.*, PhD *N.S.W.*  
John Tohr Yamaguchi, BS *Col.*, PhD *A.N.U.*  
Joan Carol Ziellnski, AB *Emmanuel Coll.*, *Boston*, MA *Calif.*

### Tutors

David Nelson Darby, BSc *Nott.*  
Michael Ian Halliday, BAgEc *N.E.*, MSc *N'cle.(U.K.)*  
Neil Andrew Richardson, MCom *N.S.W.*

**Professor of Civil Engineering and Head of Department of Structural Engineering**

Robert Falcon Warner, ME N.S.W., PhD *Lehigh*, MIEAust, MASCE

**Professor of Civil Engineering and Head of Department of Water Engineering**

Harold Rupert Vallentine, BE Syd., MS *Iowa*, ASTC, FIEAust

**Visiting Professor of Civil Engineering**

\*James Macquarie Antill, BE Syd., ME N.S.W., FIEAust, FI Arb(Lond), FI Arb(Aust), AMAusIMM

**Professor of Engineering (on secondment)**

†Thomas Kevin Hogan, BE W.Aust., FIEAust., MAusIMM

**Honorary Associates**

Lance Aubrey Endersbee, BCE ME *Melb.*, FIEAust, FASCE, MAusIMM

Desmond Ford Glynn, BCE *Melb.*, MIEAust, MASCE

Alexander Wargon, MSc *Harv.*, CE, FIEAust, FASCE, MNZIE

**Executive Assistant to Head of School**

Peter Stephen Balint, DiplEng *Bud.*, ME N.S.W., MIEAust

**Administrative Officer**

Robert William Prior

---

## Department of Civil Engineering Materials

*Includes Soil Mechanics, Rock Mechanics, Concrete Technology, Plastics and Timber, Pavement Engineering, Continuum and Statistical/Mechanics.*

**Associate Professor and Acting Head of Department**

Owen Graeme Ingles, BA MSc *Tas.*, CEng, FRIC, MInstF

**Associate Professors**

Somasundaram Valliappan, BE *Annam*, MS *Northeastern*, PhD *Wales*, MASCE

Geoffrey Baldwin Welch, BE Syd., ME N.S.W., CEng, MICE, FIEAust

**Senior Lecturers**

William Henry Cogill, MS *Cape T. and Camb.*, PhD N.S.W., FIEAust, MICE

David John Cook, BE W.Aust., MSc PhD *Calg.*, MIEAust, AMASCE, APIA

Esca Morrice Kitchen, BE Syd., MIEAust

Bruce John Francis Patten, BE Syd., PhD N.S.W., DIC

William Otho Yandell, ME PhD N.S.W., MIEAust

\*Retired from the University, 1 December 1977.

†Retired from the University, 31 December 1977.

# Faculty of Engineering

*Comprises Schools of Civil Engineering, Electrical Engineering, Mechanical and Industrial Engineering, Nuclear Engineering, Surveying and Transport and Highways.*

**Dean**

Professor P. T. Fink

**Chairman**

Professor N. L. Svensson

**Administrative Officer**

Patricia Rathbun Robertson, BA *Maryland*

---

## School of Civil Engineering

---

**Professor of Civil Engineering, Head of School and of Department of Civil Engineering Materials**

Ian Kenneth Lee, BCE MEngSc PhD *Melb.*, FIEAust, MASCE

**Professor of Civil Engineering and Head of Department of Engineering Construction and Management**

Ronald William Woodhead, BE Syd., ME N.S.W., FIEAust, FAIB, MASCE, MAIC, MPMI, MACI

## Lecturers

Stephen John Hain, BE Syd.  
Arthur William Manton-Hall, BE MEngSc N.S.W., MIEAust  
Harry Taylor, BSc(Eng) *Birm.*, DipNA&AC Syd.  
John Maurice Wheatley, MA PhD *Camb.*, FIM, FAusWI,  
MAusIMM, MWeld(Lond), AFAIM  
Weeks White, BSc BE Syd., MIEAust  
Stephen Ross Yeomans, BSc PhD N.S.W., GradIMAust

## Teaching Fellow

Keiichi Matsuzaki, ME Tokyo

## Professional Officers

David Edwin Hattersley, MSc N.S.W., ASTC  
Heinrich Nicolaus Lunsman, BE N.S.W., ASTC, GradIEAust  
Ghodratollah Tamaddoni, BEngAg *Tehran*, DAgSc *Gembloux*

---

## Department of Engineering Construction and Management

*Includes Systems Engineering, Engineering Economy, Project Planning and Management.*

## Associate Professor

Alan Frank Stewart Nettleton, BSc BE Syd., ME N.S.W., DIC

## Senior Lecturers

Arthur Gordon Douglas, ME N.S.W., PhD *Mich.State*, MIEAust  
Lawrence Vincent O'Neill, BE Syd., MIEAust

## Lecturers

Graham Rush Easton, BSc BE Syd., MEngSc *Birm.*  
Jonathan Brian O'Brien, BE N.S.W., MAsc *Tor.*, MIEAust  
Victor John Summersby, BE MEngSc N.S.W., ASTC, MIEAust  
Stephen Joseph Symonds, BSc BE MTCP Syd.,  
MEngSc N.S.W., MIEAust

## Tutor

George Charles Birdsall, BE N.S.W., GradIEAust

## Professional Officers

Eleanor Ruth Langley, BA Syd., MACS  
Frederick Adrian John Stein, ED, BE N.S.W., GradIEAust,  
AMASCE

---

## Department of Structural Engineering

*Includes Structural Analysis, Structural Design, Stress Analysis and Solid Mechanics.*

## Associate Professors

Horace Joseph Brettie, BE Syd., PhD N.S.W., DIC, ASTC,  
FIEAust  
Kenneth Alan Faulkes, ME N.S.W., MS *Ill.*, PhD N.S.W.,  
MIEAust  
Robert Alexander Frisch-Fay, DiplEng *Bud.*, ME N.S.W.,  
MIEAust  
Algis Kabaila, MEngSc PhD N.S.W., FRMTC, MIEAust, MASCE  
Rupert Whitfield Traill-Nash, BE *W.Aust.*, PhD *Brist.*, CEng,  
MIEAust, MRAeC

## Senior Lecturers

Peter Stephen Balint, DiplEng *Bud.*, ME N.S.W., MIEAust  
Lloyd Sydney Edwards, BCE *Melb.*, BEc Syd., MSc *Lond.*, DIC,  
ARMTC, MIEAust  
Donald John Fraser, MEngSc PhD N.S.W., ASTC  
Jack Lachlan Jenkins, BE Syd., ME N.S.W., DIC, ASTC,  
MIEAust  
Victor Andrada Pulmano, BSCE *Philippines*, MEng A.I.T.  
PhD *Northwestern*  
B. Vijaya Rangan, BE *Madr.*, PhD *I.I.S.B'lore.*, MASCE,  
MIEAust  
Ian James Somervaille, BE PhD N.S.W., ASTC

## Lecturers

Alex Cuthbert Heaney, BE MEngSc *Melb.*, PhD *Wat.*, MIEAust,  
MASCE, AMICE  
Peter Walder Kneen, BE *Melb.*, PhD *Wat.*, MIEAust  
Raymond Eric Lawther, BE PhD N.S.W.

## Teaching Fellows

Henry Edward Ah Cann, BE N.S.W.  
Mario Attard, BE N.S.W.  
Robert John Edwardes, BScEng N.S.W.  
Raymond Ian Gilbert, BE N.S.W.  
Russell Forester Staley, BSc *Leeds*

## Professional Officers

Kim Small, BSc Syd.  
John Wesley Carrick, BE N.S.W.

---

## Department of Water Engineering

*Includes Hydraulics, Hydrology, Public Health Engineering, Water Resources Engineering, and the Water Research Laboratory.*

## Associate Professors

Douglas Neil Foster, BE Syd., MIEAust  
Bernard William Gould, BE *Tas.*, ME N.S.W., MIEAust  
David Herbert Pilgrim, BE PhD N.S.W., MIEAust  
Keith Kingsford Watson, BE Syd., ME PhD DSc N.S.W.,  
MIEAust



#### Senior Lecturers

Ian Cordery, ME PhD *N.S.W.*, MIEAust  
 Colin Raymond Dudgeon, ME *N.S.W.*, MIEAust, MASCE  
 Trevor Regis Fietz, ME *N.S.W.*, MIEAust  
 David Trehwella Howell, BE *Syd.*, ME *N.S.W.*, MIEAust, MAIAS  
 John Robert Learmonth, BE *Syd.*, ME *N.S.W.*

#### Lecturers

David Barnes, BSc PhD *Birm.*, MIWSE, AMICE  
 Peter John Bliss, BE *N.S.W.*, MSc *Lond.*, DIC, ASTC, MIEAust  
 Brian Selby Jenkins, BE PhD *N.S.W.*, ASTC, MIEAust, LGE  
 David Keith Robinson, BSc BE PhD *N.S.W.*, MIEAust  
 David Lyon Wilkinson, BE *Syd.*, PhD *N.S.W.*, MIEAust

#### Tutor

Joseph Kitugar Seeto, BE MEngSc *N.S.W.*, GradIEAust

#### Teaching Fellow

Peter Howard Bloomfield, BE *N.S.W.*

#### Professional Officers

David George Doran, BE DipCompSc *Qld.*, MEngSc *N.S.W.*  
 Jonathan Keith Tuck, BE *N.S.W.*

#### Professor of Electrical Engineering—Electronics

Vacant

#### Professor of Electrical Engineering

Rex Eugene Vowels, ME *Adel.*, SMIEEE, CEng, FIEAust, MIEEE

#### Executive Assistant to Head of School

Colin Arthur Stapleton, BSc BE *Syd.*, CEng, MIEAust, MIEEE, MIEEE

#### Senior Administrative Officer

Halsey George Phillips

#### Administrative Assistant

Mollie Lenthall, BA *Syd.*

#### Senior Tutor

Geoffrey Nicholas Horton Westley, BEng *Liv.*, MIEEE

#### Tutors

Branko George Celler, BSc BE *N.S.W.*  
 Brian Louis Cohen, BSc *N.S.W.*  
 Eric Gauja, BSc BE *N.S.W.*  
 Gregory Charles Hurst, BSc BE *N.S.W.*  
 Graham Reginald Hellestrand, BSc *N.S.W.*  
 Dorothy Ping Seng Lee, BSc BE MEngSc *N.S.W.*  
 Phillip George McCrea, BE PhD *N.S.W.*

#### Teaching Fellows

Peter Garde, BE MEngSc *Monash*  
 Sui Cheong Albert Poon, BE *N'cle.(N.S.W.)*, HDip *H.K.Poly*

#### Professional Officer

Jeffrey Stanley Skebe, BS *Case W.R.*

---

## School of Electrical Engineering

---

#### Professor of Computer Science and Head of School

Murray William Allen, BE *Adel.*, PhD *Syd.*, CEng, FIREE, MIEEE, MIEEE

#### Professor of Electrical Engineering—Communications

Antoni Emil Karbowiak, DSc(Eng) *Lond.*, CEng, FIEAust, FTS, FIREE, MIEEE

#### Professor of Electrical Engineering—Systems and Control

Neville Waller Rees, BSc PhD *Wales*, FIEAust

#### Tyree Professor of Electrical Engineering—Electric Power Engineering

Frederic John Evans, BSc BE *Syd.*, CEng, FIEE, FIEAust

#### Visiting Professor—Solid State Electronics

Louis Walter Davies, BSc *Syd.*, DPhil *Oxon.*, SMIEEE, FInstP, FAIP, FIREE, FTS, FAA

---

## Department of Communications

#### Associate Professor

Warwick Harvey Holmes, BSc BE MEngSc *Syd.*, PhD *Camb.*, MIEEE, MIREE

#### Senior Lecturers

Edward Henry Fooks, BSc PhD *Lond.*, CEng, MIEEE, MIEEE  
 Thomas Leslie Hooper, BSc *Syd.*, MSc *N.S.W.*, CEng, MIEEE, MIREE  
 Geoffrey John Parker, BSc BE *Syd.*, ME *N.S.W.*, MIEAust, MIREE

Christopher John Elliot Phillips, BSc BE PhD *Syd.*, MIEE, MIEEE, MIREE  
The Bao Vu, BE PhD *Adel.*  
Ramutis Anthony Zakarevicius, BSc BE MEngSc PhD *Syd.*, MIEAust, MIEEE, MIREE

### Lecturers

Pak Lim Chu, ME PhD *N.S.W.*, MIREE  
William John Dewar, MSc(Eng) *Qu.*, PhD *N.S.W.*  
Harold Leslie Humphries, BSc BE BEc *Syd.*, MIEAust, MIREE  
Robert Radzyner, BE *Melb.*, MEngSc PhD *N.S.W.*, MIEEE

### Professional Officers

Douglas Hamilton Irving, BE *N.S.W.*  
Kirill Poronnik, BE *N.S.W.*, ASTC, MIREE  
Trevor Wayne Whitbread, BE *N.S.W.*

---

## Department of Computer Science

### Senior Lecturers

Alan Dunworth, BSc PhD *Manc.*, SMIEEE, FIREE  
John Lions, BSc *Syd.*, PhD *Camb.*  
Graham Barry McMahon, BSc *Syd.*, PhD *N.S.W.*  
Peter Clive Maxwell, MSc *Auck.*, PhD *A.N.U.*, MIEEE

### Lecturers

Paul William Baker, BE PhD *N.S.W.*  
Ian James Hayes, BSc *N.S.W.*  
Leslie Charles Hill, BE *N.S.W.*, MIEAust  
Kenneth Arthur Robinson, BSc BE *Syd.*

### Professional Officers

Serge Poplavsky, DiplIng *Bratislava*, ME *N.S.W.*  
Keith William Titmuss, BSc(Tech) *N.S.W.*

---

## Department of Electric Power Engineering

### Associate Professors

Garth Claud Dewsnap, MEE *Melb.*, CEng, FIEE, MIEAust  
Gordon William Donaldson, BE *Qld.*, BSc MA *Oxf.*, CEng, MIEE, MIEAust  
Gregory Joseph Johnson, MSc *Syd.*, SMIEEE, CEng, MIEE, AInstP, AAIP  
Ian Francis Morrison, BSc BE PhD *Syd.*, CEng, MIEAust, MIEEE, MIEE

### Senior Lecturers

Harry Harrison, BSc BE *Syd.*, ME *N.S.W.*, MIEAust  
Ronald Edward James, BSc(Eng) PhD *Lond.*, CEng., MIEE, MIMechE

### Lecturers

Trevor Robert Blackburn, BSc *Adel.*, PhD *Flin.*, GAIP  
Cyriacus Adrianus Bleys, BSc *Adel.*, DipElectrotechnique *DrIng Paris*  
David Bruce Goudie, BSc BE PhD *Syd.*, MIEEE, AMIEE  
Hugh Ronald Outhred, BSc BE PhD *Syd.*, AMIEE

### Professional Officers

Joseph Rhine Kinard, BA *Fla.S.U.*, MS *Mass.*, MIEEE, MOSA  
Edward Douglas Spooner, ME *N.S.W.*

---

## Department of Solid-State Electronics

### Senior Lecturers

Henry Stanley Blanks, BSc ME *Syd.*, PhD *N.S.W.*, CEng, MIREE, MIQA, SMIEEE  
Richard Vaughan, BSc BE PhD *Syd.*

### Lecturers

Martin Andrew Green, BE MEngSc *Qld.*, PhD *McM.*  
Peter Howard Ladbroke, BTech *Lough.*, PhD *Camb.*  
John Alan Richards, BE PhD *N.S.W.*, MIREE, MIEEE

### Professional Officer

Peter Bohdan Kosel, BSc *Syd.*, PhD *N.S.W.*, MIEEE

---

## Department of Systems and Control

### Associate Professors

John Barry Hiller, BE PhD *N.S.W.*, FIREE, MIEEE  
Colin Arthur Stapleton, BSc BE *Syd.*, CEng, MIEE, MIEEE, MIEAust  
Keith Eugene Tait, BE(Hons) BSc *N.Z.*, PhD *N.S.W.*, MIEAust

### Senior Lecturers

Peter Thomas Bason, ME *N.S.W.*, MIEEE, MIREE  
Reginald Frederick Brown, BEng *Liv.*, PhD *N.S.W.*, CEng, MIEE  
David Harold Mee, BSc BE *Syd.*, PhD *Lond.*, DIC, MIREE  
Darrell Williamson, BSc ME *N'cle.(N.S.W.)*, PhD *Harv.*

#### Lecturers

Kevin Charles Daly, BSc BE PhD *N.S.W.*  
 Felix Lewin, BSc BE *Syd.*  
 Oleg Pawloff, DiplIng *Berl.*, MIEAust, MIREE

#### Professional Officers

Kevin John Flynn, BE MEngSc *N.S.W.*, ASTC  
 Kong Been Lee, BE MEngSc *N.S.W.*, MIEEE, AMIEE  
 Johan Herman Sieuwerts, BE *N.S.W.*, ASTC

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## School of Mechanical and Industrial Engineering

---

#### Nuffield Professor of Mechanical Engineering, Head of School and of Department of Fluid Mechanics/Thermodynamics

Raymond Alfred Arthur Bryant, ME *N.S.W.*, ASTC, CEng, FIMechE, FIEAust, MRAeS

#### Professor of Mechanical Engineering

Peter Thomas Fink, BE *Syd.*, CEng, FTS, FIEAust, FIMechE, FRAeS, FRINA, MAIAA

#### Sir James Kirby Professor of Production Engineering and Head of Department of Industrial Engineering

Peter Louis Brennan Oxley, BSc PhD *Leeds*, CEng, FIProdE, FIEAust, MIMechE

#### Professor of Operations Research

George Bennett, BA *Syd.*, PhD *N.S.W.*, ASTC, CEng, FIProdE

#### Professor of Mechanical Engineering and Head of Department of Applied Mechanics

Noel Levin Svensson, MMechE PhD *Melb.*, CEng, FIEAust, MIMechE, AMIM, MESA

#### Professor of Mechanical Engineering and Head of Department of Agricultural Engineering

Albert Henry Willis, DSc(Eng) *Lond.*, CEng, FIMechE, FIEAust, MemASAE, WhSc

#### Executive Assistant to Head of School

John Young Harrison, BE *Syd.*, PhD *N.S.W.*, MIEAust

#### Senior Administrative Officer

George Dusan, BE *Syd.*

#### Honorary Associate

Cyril Arthur Gladman, BSc(Eng) *Lond.*, ACGI, CEng, FIProdE, MIMechE, MIED

#### Tutors

David Malcolm Jenkins, BE *Syd.*  
 Robert William Widders, BE *Syd.*  
 Hoong Gheow Wong, BE *N.S.W.*

#### Teaching Fellows

Hok Fung Cheung, BE *N.S.W.*  
 William Ernest Fisher, BSc BE *Syd.*  
 See Seng Leong, BE *N.S.W.*  
 Lyle John McLean, BSc(Eng) *N.S.W.*, GradIEAust  
 Nan Hung Pan, BE *N.S.W.*  
 Hadi Winarto, BE *Syd.*, MEngSc *N.S.W.*, GradIEAust

#### Professional Officers

Han Bao, BE MEngSc PhD *N.S.W.*  
 Eric Arthur Carter, BE MEngSc *N.S.W.*, ASTC  
 Walter Dollar, ASTC  
 Richard Butler Frost, BE *N.S.W.*, GradIEAust  
 Joseph Yuk Ming Fung, BE MEngSc *Syd.*, GradIEAust  
 Khoi Hoang, BE *Saigon*  
 Brian Robert Edgar Lederer, BSc *N.S.W.*, PhD *Syd.*  
 Barrie Clifford Motson, BE *N.S.W.*, ASTC, MIEAust  
 Philip Henry Sivyier, BE *N.S.W.*, MIEAust  
 Colin Barrington Smith, BE MEngSc *N.S.W.*, ASTC, MAIRAH, GradIEAust

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## Department of Agricultural Engineering

#### Senior Lecturer

Harold Glenn Bowditch, ME *N.S.W.*, ASTC, MIEAust, MIAgrE, MemASAE

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## Department of Applied Mechanics

#### Associate Professor

John Young Harrison, BE *Syd.*, PhD *N.S.W.*, MIEAust

## Senior Lecturers

Jacob Alexander Bruce Cartmel, MSc *Cran.I.T.*, PhD *N.S.W.*, CEng, FIMechE, FIEAust, MASME, MIEEE  
Alexander Eric Churches, BE PhD *N.S.W.*, ASTC  
Eric Joseph Hahn, BE BSc PhD *N.S.W.*, MASME  
Edward Colwyn Hind, ME *N.S.W.*, ASTC, MIEAust

## Lecturers

John Edward Baker, MSc *Syd.*, BE MEngSc PhD *N.S.W.*  
Kerry Patrick Byrne, BE MEngSc *Qld.*, BSc *Melb.*, PhD *S'ton*  
Raymond Albert Vincent Byron, BE *Syd.*, CEng, MRAeS, MAIAA  
George Crawford, BE BSc *N.S.W.*, ASTC, CEng, FIEAust, ARACI  
Ronald Arthur Dennis, MSc *Nott.*, CEng, MIMechE  
Robin Arthur Julian Ford, BSc(Eng) PhD *Lond.*, ACGI  
Knut Kjørrefjord, BSc *Durh.*, CEng  
Farokh Mistree, BTech *I.I.T. Kharagpur*, MS PhD *Calif.*  
Donald Jabez Stephen Mudge, BSc *Lond.*, CEng, MIMechE, MIEAust, WhSc  
Hugh Lithgow Stark, BSc PhD *Strath.*, CEng, MIMechE, MIEAust  
Jae Lin Woo, BSc *Seoul*, SM *M.I.T.*, PhD *N.S.W.*

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## Department of Fluid Mechanics and Thermodynamics

*Includes Aeronautical Engineering and Naval Architecture.*

### Associate Professors

Richard Douglas Archer, BSc *Melb.*, BE *Syd.*, MS PhD *Minn.*, FBIS, MIEAust, MAIAA, MRAeS  
Graham de Vahl Davis, BE *Syd.*, PhD *Camb.*, CEng, FIMechE, FIEAust, MASME

### Senior Lecturers

Reginald Edward Corbett, DIC, ASTC, CEng, MIMechE, MIEAust  
Michael Richard Davis, BSc(Eng) PhD *S'ton*, CEng, MRAeS  
Lawrence Julian Doctors, BE MEngSc *Syd.*, PhD *Mich.*, AMCAST, AMSNAME  
John Newton Hool, BE *Syd.*, DPhil *Oxon.*, ASTC, CEng, FIMechE, MIEAust  
Owen Francis Hughes, SB SM(NavArch) *M.I.T.*, PhD *N.S.W.*, MIEAust, MRINA, MSNAME  
Robert Taggart Black McKenzie, MS ME *Purdue*, CEng, ARCST(Glas), FIMechE  
Brian Edward Milton, BE PhD *N.S.W.*, MSc *Birm.*, CEng, MIEAust, MRAeS  
Charles Matthew Sapsford, BSc(Eng) *Lond.*, ME *N.S.W.*, CEng, FIMechE, MIEAust

## Lecturers

Francis Grindal Bartlett, MSc *Mich.*  
Graham Lindsay Morrison, BE PhD *Melb.*  
John Arthur Reizes, ME PhD *N.S.W.*, MIEAust

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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, MIEAust, MIProdE  
Jack Taylor, BSc *Nott.*, CEng, FIMechE

### Senior Lecturers

John Frederick Campbell Close, BSc BE *Syd.*, ME *N.S.W.*, MIEE, SMAIE, MIEAust  
Bruce Albert Murtagh, ME *Cant.*, PhD *Lond.*, DIC, CEng, MChemE  
Raymond Norman Roth, BE PhD *N.S.W.*, CEng, MIEAust  
Graham Smith, BE MEngSc PhD *N.S.W.*, ASTC, MIEAust

## Lecturers

Leonard Edward Farmer, BE MEngSc PhD *N.S.W.*, MIEAust  
Daniel Goodridge, DiplIngChim *L'Aurore, Shanghai*, DiplIndEng *N.S.W.*  
Thomas Richard Jefferson, MSc *Tor.*, PhD *Northwestern*  
Grier Cheng Lin, DipMechEng *P.T.I.T., Taiwan*, PhD *N.S.W.*, MIEAust  
Carlton Henry Scott, BSc *Qld.*, PhD *N.S.W.*

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## 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.

**Teaching Fellow**

Peter Thomas Bath, BE MEngSc N.S.W.

**Professional Officer**

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

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## School of Surveying

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**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

**Administrative Assistant**

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.

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## Department of Geodesy

**Associate Professor**

Ronald Sunthereraj Mather, BSc Ceyl., PhD DSc N.S.W., FISAust

**Senior Lecturer**

Arthur Stolz, BSurv PhD N.S.W., RegSurv(NSW), MISAust

**Lecturers**

Friedrich Karl Brunner, DiplIng Dr techn T.H. Vienna, MISAust

Arthur Harry William Kearsley, BSurv MSurvSc PhD N.S.W., MAIC, MISAust

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## Department of Photogrammetry

*Includes Land Studies and Cartography.*

**Associate Professor**

John Charles Trinder, BSurv PhD N.S.W., MSc T.H. Delft, RegSurv(NSW), MISAust

**Senior Lecturers**

Bruce Crosby Forster, MSurv Melb., MSc R'dg., MAS P.N.G., LS(Vic)

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

**Lecturers**

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

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

Ian Philip Williamson, BSurv MSurvSc N.S.W., RegSurv(NSW), MISAust

**Senior Tutor**

Salvatore Umberto Nasca, DottScGeol Florence, DipTop&Cart (Istituto Geografico Militare), MGAS, AMAIMM

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## Department of Surveying

**Associate Professor**

John Stuart Allman, BSurv PhD N.S.W., MISAust, MAIC

**Senior Lecturers**

Anthony John Robinson, BSurv PhD N.S.W., RegSurv(NSW), MISAust, MAIC

Arthur Paul Heinz Werner, DiplIng Bonn, FISAust

### 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  
John Richard Pollard, BSc Qld., BTech S.A.I.T.  
Jean Marc Rueger, DiplIng E.T.H. Zurich, SIA, LS(Switz),  
MISAust

### Senior Tutor

Robert Campbell Patterson, BSURV BSc MSURVSc N.S.W.

### Tutors

Paul Charles Covell, BSURV N.S.W.  
Thomas Sinclair Morrison, BSURV N.S.W.

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## School of Transport and Highways

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### Professor of Traffic Engineering and Head of School

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

### Senior Lecturers

Theo ten Brummelaar, BE MEngSc N.S.W., MIEAust  
Alex James Fisher, BSc Lond., PhD N.S.W.  
Robert Alexander Jones, BE W.Aust., ME Auck., MSc Lond.,  
DIC, MSINZ, MIEAust  
Ross Donald Munro, BSc W.Aust., BA Melb., FSS  
Brian Shackel, BE Sheff., MEngSc PhD N.S.W., MIEAust,  
MASCE  
John Irwin Tindall, BE Qld., BCom ME N.S.W., AMIEAust

### Lecturers

John Andrew Black, BA Manc., PhD Brad., AMIT  
Michael Clarence Dunne, BSc PhD Adel.

### Professional Officers

Roger Roy Hall, BSc A.N.U., MSc N.S.W.  
Clement Edward Quinlan, GradDip N.S.W., ASTC, MIEAust  
Andrzej Waldemar Raczkowski, MgrInz T.U. Warsaw  
Colin John Wingrove, BSc MEngSc N.S.W.

## Faculty of Law

*Comprises School of Law.*

### Dean

Professor R. G. Nettheim

### Chairman

Professor D. E. Harding

### Executive Assistant

I. A. Cameron

### Executive Officer

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

### Administrative Assistant

Judith Joan Tonkin, BA Syd.

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## School of Law

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### Professor of Law and Head of School

Robert Garth Nettheim, AM Tufts, LLB Syd.

### Visiting Professor of Law

Julius Stone, BA DCL Oxon., LL.M Hon.LLD Leeds, SJD Harv.

### Professors of Law

Donald Edward Harding, BA LLB *Syd.*, LLM *Calif.*  
 Ronald Sackville, LLB *Melb.*, LLM *Yale*  
 Ivan Anthony Shearer, LLM *Adel.*, SJD *Northwestern*  
 Harold Whitmore, LLB *Syd.*, LLM *Yale*

### Associate Professors of Law

Anthony Ronald Blackshield, LLM *Syd.*  
 Robert Alexander Hayes, LLB *Melb.*, LLB *Qld.*, PhD *Monash*  
 Krishna Mohan Sharma, MA LLM *DipLabourLaws Raj.*, LLM  
 SJD *Harv.*

### Senior Lecturers

Mark Isaac Aronson, BJuris LLB *Monash*, DPhil *Oxon.*  
 Brian Bromberger, LLB *Melb.*, LLM *Penn.*  
 Brian Thomas Brooks, BA *Well.*, MA *N.Z.*, LLM *Cant.*  
 Richard Colin Chisholm, BA LLB *Syd.*, BCL *Oxf.*  
 Michael David Coper, BA LLB *Syd.*  
 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.*  
 Stanley David Ross, BA *C.U.N.Y.*, MA *S.F. State*, JD *Calif.*  
 George Graham Winterton, LLM *W.Aust.*

### Lecturers

Salahuddin Ahmed, BA LLB *Dacca*, LLM *Lond.*  
 Mark Charles Armstrong, BA LLB *Syd.*, LLM *N.S.W.*  
 Susan Armstrong, BA LLB *Syd.*  
 Shenagh Barnes, LLB *Syd.*  
 John Basten, LLB *Adel.*, BCL *Oxf.*  
 Michael Leslie Blakeney, BA LLB *Syd.*  
 David Bentley Brown, LLB *Auck.*, DipCrim *Camb.*  
 Terence Lionel Buddin, BA LLB *Syd.*, BCL *Oxf.*, LLM *Ill.*  
 Philip Newell Burgess, LLM *Well.*  
 Geoffrey Caine, BA LLB *Syd.*, LLM *Mich.*  
 Ian Malcolm Cameron, LLM *Cant.*, LRSM LTCL *Lond.*  
 Stephen William Cavanagh, LLB *Syd.*, LLM *Lond.*  
 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.*  
 John Warren Kirkwood, BA LLB *Syd.*  
 John Dennison McMillan, BA LLB *A.N.U.*  
 Dirk John Meure, LLB *Tas.*, LLM *Sheff.*  
 Alan Hermon Edmond Oakey, BA *Kingston Polytech*, LLB  
 DipCLS *Camb.*  
 Paul Murray Redmond, BA LLM *Syd.*  
 Christopher John Rossiter, BA LLB *Syd.*  
 Daniel Rowland, MA *Johns H.*, LLB *Leeds*  
 Malcolm Rothwell, LLB *Lond.*  
 Gerard Clyde Rowe, BA LLB *MTCP Syd.*  
 Tuan Razeen Sappideen, LLB *Ceyl.*, LLM *Syd.*, LLM *Penn.*  
 Michael Gerard Sexton, LLB *Melb.*, LLM *Va.*

Shane David Simpson, LLB MJur *Auck.*  
 Margaret Therese Stone, BA *Syd.*, LLB *A.N.U.*  
 Michael John Tilbury, LLB *Lond.*, BCL *Oxf.*  
 Liang Him Susan Wong, LLB *Sing.*, LLM *Lond.*  
 Simon David Wynn, BA LLB *Melb.*, LLM *Lond.*  
 George Zdenkowski, BA LLB *Syd.*

### Tutors

John Alexander Cole, BCom LLB *N.S.W.*

### Senior Research Assistants

Artura Efren Garcia, LLB *Madrid* and *Manila*  
 Zena Sachs, LLB *Syd.*  
 Robin Sorenson, LLB *Syd.*

### Research Assistants

Alan Malcolm McMurran, BA LLB *N.S.W.*  
 David Rowan White, LLB *Syd.*

## Faculty of Medicine

*Comprises Schools of Anatomy, Community Medicine, Medicine, Obstetrics and Gynaecology, Paediatrics, Pathology, Physiology and Pharmacology, Psychiatry, and Surgery.*

**Dean**

Professor R. J. Walsh

**Chairman**

Professor G. F. Murnaghan

**Executive Officer**

Beth McIntyre, BA MHA N.S.W.

**Administrative Officer**

Desmond Kevin O'Rourke

**Administrative Assistant**

Elizabeth Alison Smith, BA Macq.

---

## School of Anatomy

---

**Professor of Anatomy and Head of School**

Frederick William Dickes Rost, BSc(Med) MB BS Syd., PhD DCP Lond., DipRMS

**Associate Professors**

Brian Robert O'Brien, BSc PhD Syd.

Charles Roger Rolleston Watson, BSc(Med) MD BS Syd.

**Senior Lecturers**

Darrel Ananda Fernando, BVSc Ceyl., PhD Lond.

Saw Kin Loo, MB BS Malaya, PhD Sing.

Murray Stanley Smith, BSc PhD Cant.

Jonathan Stone, BSc(Med) PhD DSc Syd.

Istvan Joseph Törk, MD Bud.

**Lecturers**

Ewa Krystyna Bystrzycka, MD Lodz.

Brian Warwick Freeman, BSc Syd.

Peter Brennan Paisley, BSc Bell., LRCPed&Glas, LRCSEd&Glas

Ralph Earl Molnar, BA PhD Calif., MA Texas

**Senior Tutors**

Jean Joyce Carter, MSc Syd., PhD N.S.W.

Prem Gemmell, PhD Punj.

**Tutors**

Deborah Jane Ayscough, BSc Syd.

Raymond Watsford Chaseling, MB BS Syd.

Gregory Stephen Kesby, BSc N.S.W.

Shirley Gladys Maclean, BSc DipEd Syd.

Margaret Ellen Nelson, BSc N.S.W., DipPty

Shanmuga Vadivu Vijayakumar, MSc Madr.

Catherine Willis, BSc N.S.W., Dip Tertiary Ed N.E., DipPty

**Professional Officer**

Coral Fay Green, MIST

**Honorary Associate**

Alexander Gonski, BSc MB BCH Witw., FRCSEd, FRACS

**Honorary Visiting Fellow**

David John Cairncross, MB BS N.S.W.



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## School of Community Medicine

---

**Professor of Community Medicine and Head of School**  
Ian William Webster, MD BS *Melb.*, FRACP

**Professor of Human Genetics**

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

**Associate Professor**

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

**Senior Lecturers**

Lawrence Yook Chee Lai, BSc PhD *W.Aust.*  
Edward Maxwell Nicholls, MD BS *Adel.*  
Alan Edmund Stark, BA *Adel.*, MA *N.S.W.*

**Lecturer**

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

**Senior Tutor**

Paul Murray McNiel, MA *N.Z.*, LLB *Otago*

**Senior Instructor**

Felicity Anne Maclean

**Honorary Associate**

Neville Arthur Andersen, MB BS DTM&H *Syd.*, FRCGP, FRACGP

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## School of Medicine

---

**Chairman**

Professor J. B. Hickie

---

## 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, MD BS *Syd.*, FRCP, FRACP

**Associate Professors**

Hal John Hester Colebatch, MD BS *Adel.*, FRACP  
Alan Edward Davis, MD BS *Syd.*, BSc MA *Oxf.*, FRACP, MRCP  
Alfred W. Steinbeck, MD BS *Syd.*, PhD *Lond.*, FRCP, FRACP  
David Emil Leon Wilcken, MD BS *Syd.*, FRCP, FRACP

**\*Associate Professors**

Clement Russell Boughton, MB BS DTM&H *Syd.*, FRACP, MRCP  
Bryan Harle Gandevia, MD BS *Melb.*, FRACP  
Ian Provan Cathcart Murray, MD ChB *Glas.*, FRCPed, FRACP

**Senior Lecturers**

Terry Dorcen Bolin, MB BS *Syd.*, MD *N.S.W.*, DCH *Lond.*, FRACP, MRCP, MRCPed  
John David Gillies, MB BS *Syd.*, MD *N.S.W.*, FRACP  
Graham Jon Macdonald, BSc(Med) MB BS *Syd.*, MD *N.S.W.*, MRCP, MRACP

**Professional Officers**

Clifford Ng, MSc *N.S.W.*  
Helen Margaret Theile, BSc *Qld.*, MSc *N.S.W.*

---

## St. George Hospital

**Professor of Medicine and Head of Department**

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

**Associate Professor**

Malcolm Edward Schonell, MB BS *Qld.*, FCCP, FRACP, FRCPed

**Senior Lecturer**

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

**Lecturer**

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

\*Conjoint appointment with Prince Henry and Prince of Wales Hospitals.

---

## St. Vincent's Hospital

### Professor of Medicine and Head of Department

John Bernard Hickie, MB BS Syd., FRCP, FRACP, FACC

### Associate Professors

\*\*Leslie Lazarus, MB BS Syd., FRACP, FAACB

Ronald Penny, MD BS Syd., FRACP, FRCPA

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

### Senior Lecturers

\*\*James Crawford Biggs, MB BS Syd., DPhil Oxf., FRACP, FRCPA

Donald John Frommer, BSc MD BS Lond., MRCP

Leon Abraham Simons, BSc(Med) MD BS Syd., MRCP, MRACP

### Lecturer

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

---

## Department of Diagnostic Radiology

### Lecturer

\*Geoffrey James Harrington, MB BS Syd., MRACR

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## School of Obstetrics and Gynaecology

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### 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

Brian John Trudinger, BSc(Med) MB BS N.S.W., FRCSEd, MRCOG

Barry George Wren, MB BS Syd., MD N.S.W., MRCOG

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## School of Paediatrics

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### Professor of Paediatrics and Head of School

John Beveridge, MB BS Syd., FRACP

### Associate Professors

\*Aubrey Charles Bowring, MB BS Syd., FRCS, FRCSEd, FRACS  
Jagdish Mitter Gupta, MB BS Malaya, MD Sing., DCH Lond.,  
FRCPEd, MRACP

Darcy William O'Gorman Hughes, MD N.S.W., BS Syd., FRACP

Leslie Herbert Stevens, MB ChB BSc N.Z., PhD Lond., FRACP

### Senior Lecturer

Gabriel Antony, MD Bud., LRCPSEd, LRFPSGlas, DABP

### Lecturers

John Douglas Mitchell, MB BS Melb., FRACP

\*John Bennett Vonwiller, MB BS Syd., FFARACS

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

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## School of Pathology

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### Professor of Pathology

Vacant

### Associate Professor and Acting Head of School

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

### Associate Professor

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

### Senior Lecturers

‡Alfred Ernest Gatenby, MB BS Syd., FRCPA, MRCPATH

Cameron Rolfe Howlett, BVSc PhD Syd.

\*\*Conjoint appointment with St. Vincent's Hospital.

\*Conjoint appointment with Prince Henry and Prince of Wales Hospitals.

‡Conjoint appointment with St. George Hospital.

\*Aubrey Godwin Liddelow, MB BS *Melb.*, FRCPA, MRCPATH  
 Ruth Evelyn Mitchell, BMedSc MD ChB *Otago*,  
 DCH(RCP&RCS)  
 \*\*Vincent Frederick Munro, MB BS DCP *Syd.*, FRCPA  
 §Robert Andrew Osborn, MD BS BSc *Lond.*, FRCPA, MRCPed,  
 MRCPATH, MAACB

#### Lecturers

Lalitha Gupta, MB BS *Delhi*  
 Shirley Grace Higgins, MB BS *Syd.*  
 Peter Kench, MB ChB MMed(ClinPath) *Cape T.*  
 Leng Chai Jimmy Yong, BSc(Med) MB BS *N.S.W.*

#### Senior Tutor

Rakesh Kamal Kumar, MB BS *Delhi*

#### Honorary Associates

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

David George Garlick, MB BS BSc(Med) *Syd.*, PhD *A.N.U.*  
 Eugenie Ruth Lumbers, MD BS *Adel.*  
 Mark Joseph Rowe, BPharm MSc *Syd.*, PhD *N.S.W.*

#### Lecturers

John Joseph Carmody, MD BS *Qld.*  
 \*\*David Brunton Gibb, BSc(Med) MB BS *Syd.*, DOBstRCOG  
*Lond.*, FFARCS, FRCS, FFARACS  
 Gary George Graham, MSc PhD *Syd.*  
 \*\*Robert Charles Wright, MB BS *Syd.*, FFARACS, FRACP

#### Senior Tutors

David Morgans, BSc *Syd.*  
 Michael Alan Perry, MRurSc *N.E.*

#### Tutors

Denise Anne Edwards, BSc *Syd.*  
 Toni Rosé Kesby, BSc DipEd *N.E.*  
 Barbara Dale Porter, BSc *Syd.*

#### Teaching Fellow

Tomás Milan Christof, BSc *Syd.*

#### Professional Officer

Kenneth Harry Curtis, AIST(Lond)

#### Honorary Associate

Kenneth Martin Taylor, MPharm PhD *Otago*

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## School of Physiology and Pharmacology

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#### Professor of Physiology and Head of School

Walter Ernest Glover, MD BCh BAO *Belf.*

#### Professor†

Peter William Gage, MB ChB *N.Z.*, PhD *A.N.U.*, DSc *N.S.W.*,  
 FAA

#### Professor of Clinical Pharmacology

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

#### Associate Professors

Robert Alastair Beveridge Holland, MD BS *Syd.*, FRACP  
 Douglas Ian McCloskey, BSc(Med) MB BS *Syd.*, DPhil *Oxf.*,  
 FRACP

#### Senior Lecturers

Peter Hosford Barry, BSc PhD *Syd.*  
 Peter Raymond Carroll, BPharm MSc PhD *Syd.*

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## School of Psychiatry

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#### Professor of Psychiatry and Head of School

Leslie Gordon Kiloh, MD BSc *Lond.*, DPM(RCP&RCS), FRCP,  
 FRACP, FRANZCP, FRCPsych

#### Associate Professors

John Gavin Andrews, ChB MD *Otago*, DPM *Melb.*, FRANZCP,  
 MRCPsych  
 \*John Ewart Cawte, MD BS *Adel.*, DPM *Melb.*, PhD *N.S.W.*,  
 FRANZCP, FRCPsych, FAPA  
 Nathaniel McConaghy, MB BS *Qld.*, BSc MD DPM *Melb.*,  
 FRANZCP

†In the field of physiology.

\*\*Conjoint appointment with St. Vincent's Hospital.

\*Conjoint appointment with Prince Henry and Prince of Wales  
 Hospitals.

§Conjoint appointment with Royal Hospital for Women.

**Senior Lecturers**

Ronald Ford Barr, MB ChB *Glas.*, MD *N.S.W.*,  
DPM(RCP&RCS), FRANZCP, MRCPsych  
\*Leslie Allen Guile, MB ChB *Liv.*, DPM *Melb.*, FRANZCP  
Gordon Barraclough Parker, MB BS *Syd.*, MRANZCP

**Lecturers**

Percy Charles Ronald Birrell, BA *Syd.*, PhD *N.S.W.*  
§Maxwell Graham Chapman, MB BS *Syd.*, DPM(RCP&RCS),  
MRANZCP, MRCPsych  
\*\*James Graham Durham, MB BS *Adel.*, DPM *Melb.*,  
MRANZCP  
Susie Eva Maria Owen, MB BS *Syd.*, DCH *Glas.*,  
DPM(RCP&RCS), MRANZCP  
\*Noel Maurice Wilton, MB BS *Syd.*, FRACP, FRANZCP

**Tutor**

Helen Margaret Christensen, BA *Syd.*

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## School of Surgery

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**Chairman**

Professor G. D. Tracy

---

## The Prince Henry and The Prince of Wales Hospitals

**Professor of Surgery and Head of Department**

Gerald Francis Murnaghan, MD ChM *Edin.*, FRCS, FRACS,  
FRCSEd

**Associate Professor of Ophthalmology**

Frederick Cossom Hollows, MB ChB *N.Z.*, DO *Lond.*, FRCS

**Associate Professors of Surgery**

John MacKenzie Ham, MD BS *Syd.*, FRACS  
\*John Saxon Wright, MB BS *Syd.*, FRACS, FACS

**Clinical Associate Professor**

\*Leicester Atkinson, MB BS DMRT *Lond.*, FRCS, FRACS,  
FACMA, FACR

**Lecturers**

Lawrence John Gray, MB BS *Syd.*, FRACS  
Graham Leonard Newstead, MB BS *Syd.*, FRACS, FRCS  
Bryan Wheaton Yeo, MB BS *Syd.*, FRCS, FRACS

**Professional Officer**

Margaret Anne Rose, BVSc *Syd.*

---

## St. George Hospital

**Professor of Surgery and Head of Department**

Robert Mervyn Mitchell, BMedSc *Otago*, MB ChM *N.Z.*, FRCS,  
FRACS

**Associate Professor**

Christopher John Magarey, BSc(Med) MB MS *Syd.*, FRCS,  
FRACS

**Senior Lecturer**

David Robert Hunt, MD BS *Syd.*, FRACS

---

## St. Vincent's Hospital

**Professor of Surgery and Head of Department**

Graham Douglas Tracy, MB BS *Syd.*, FRCS, FRACS, FACS

**Associate Professor of Surgery**

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

**Lecturers**

Stuart John Hazelton, MB BS *Syd.*, FRCS, FRACS  
David Alexander Hill, MB BS *Syd.*, FRCS, FRACS, FRCSEd

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## Department of Anaesthetics and Resuscitation

**Senior Lecturers**

\*George Madgwick Davidson, MB BS DA *Syd.*, FFARCS  
\*\*Gordon Alfred Harrison, MB BS *Syd.*, FFARCS  
\*Thomas Andrew Gabriel Torda, MB BS *Syd.*, DA *Lond.*,  
FFARCS, FFARACS

**Lecturers**

§Colin Richmond Climie, MB ChB *N.Z.*, FFARCS, FFARACS  
\*\*John Allan Norrie, MB BS *Syd.*, FFARACS

\*Conjoint appointment with Prince Henry and Prince of Wales  
Hospitals.

\*\*Conjoint appointment with St. Vincent's Hospital.

§Conjoint appointment with Royal Hospital for Women.

§Conjoint appointment with Health Commission of N.S.W.

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## 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

### Lecturer

Timothy James Herbert, MB BS  *Lond.*, FRCS

### Research Assistant

Susan Josephine Tipora McDonald, BSc *N.S.W.*

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## Animal Facilities

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### Director

Roderick Lachlan McEwin, BVSc *Qld.*, MRCVS

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## Electron Microscope Unit

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### Electron Microscopist

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

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## Medical Illustration Unit

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### Officer-in-Charge

Kenneth Walter Deason, AIMBI, ARPS, AIAP

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## Clinical Teaching Administration

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### Teaching Hospitals

#### The Prince Henry and Prince of Wales Hospitals

##### Senior Administrative Officer (Medical)

Maxwell Elmore Cochrane Thorpe, MB BS *Syd.*, MD *N.S.W.*, FRACP

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#### St. George Hospital

##### Warden of Clinical Studies

Benedetto Haneman, MB BS *Syd.*, FRACP

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#### St. Vincent's Hospital

##### Senior Administrative Officer (Medical)

Sir Patrick John Kenny, MB MS *Syd.*, FRCS, FRACS, FRCP&S

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#### Royal Hospital for Women

##### Warden of Clinical Studies

Edward Graham Bosch, MB BS *Syd.*, MRCOG

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### Associated Hospitals

---

#### Bankstown Hospital

##### Clinical Supervisor

Robert David Perrett, MB BS *Syd.*, FRCS, FRACS

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#### Canterbury Hospital

##### Honorary Clinical Supervisor

Peter Thomas Tornya, MB BS *Syd.*, FRACP, MRCP

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#### Lewisham Hospital

##### Clinical Supervisor

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

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## Sutherland Hospital

### Clinical Supervisor

George Meredith Stathers, MB BS Syd., FRACP

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## Centre for Medical Education Research and Development

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### Director and Professor

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

### Visiting Fellow

Geoffrey George Saville, BSc *N.S.W.*, MS EdS MS *Stout St. Univ.*, PhD *Mich.*, ASTC

### Graduate Assistant

Elizabeth Anne Whaite, BSc *Syd.*

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## Regional Teacher Training Centre for Health Personnel

### Director

Professor K. R. Cox

### Senior Lecturer

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

### Lecturers

Raja Christie Bandaranayake, MB BS *Ceylon*, PhD *Lond.*, MSc *Calif.*

Christine Elizabeth Garrick, MB BS PhD *Syd.*

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

### Administrative Officer

Iris Shirley Gilfillan

### Graduate Assistant

Janice Clare Reid, BSc *Adel.*, MA *Hawaii*, MA *Stan.*

## Royal Military College, Duntroon, ACT

# Faculty of Military Studies

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

### Dean

Professor J. C. Burns

### Chairman

Professor H. E. Green

### Secretary

Roy William Osmac Pugh, BE *Syd.*, BA *A.N.U.*, psc

### Senior Graduate Assistants

Paul Henry Kitney, ANZIM, psc

John Dennis Harverson, BSc *N.S.W.*, AAIFST, psc

### Graduate Assistants

Marcia Annette Daniel, BA *Syd.*

Peter Frank Kowald, BA DipEd *Syd.*

---

## Department of Economics

---

### Professor of Economics and Head of Department

Wolfgang Ernst Kasper, Staatl geprüfter Übers  
Dipl Volksw Saarbr., Dr rer pol Kiel

### Associate Professors

Horace Sydney Hodges, BSc(Econ) DipEd Lond., FRGS  
Jozef Wilczynski, BSc(Econ) PhD Lond., BEd Melb.,  
MEc A.N.U., DSc N.S.W.

### Senior Lecturer

George Russell Webb, BA MCom Melb., MEc A.N.U.

### Lecturer

Abul Mansur Mohammad Masih, MA Dacca and Manc.,  
PhD Leeds

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## Department of Geography

---

### Professor of Geography and Head of Department

Bruce Graham Thom, BA Syd., PhD Louisiana State

### Associate Professor

Eric Richard Woolmington, MA Syd., PhD N.E.

### Lecturers

James Sidney Burgess, MA PhD Cant.  
Laurence John Olive, BSc N.E., MSc Tas.  
William Arthur Rieger, MA Tor., PhD Syd.

### Teaching Fellow

Alan Ray Davidson, BA N.S.W.

### Research Assistant

Gregory Mark Bowman, BA Syd., DipTertEd N.E.

---

## Department of Government

---

### Professor of Government and Head of Department

Brian Dugan Beddie, BA Syd., PhD Lond., FASSA

### Senior Lecturers

Ellis David Daw, BEc Syd., MA A.N.U.  
William Hugh Smith, BSc(Econ) MPhil Lond., PhD A.N.U.

### Lecturers

Malcolm Hugh Mackerras, BEc Syd.  
Beverley Mary Male, BA PhD A.N.U.

### Teaching Fellow

Helen Ann South, BA A.N.U.

### Research Assistant

Jennifer Jane Shapcott, MA A.N.U.

---

## Department of History

---

### Professor of History and Head of Department

Leonard Charles Frederick Turner, MA Rand., FASSA, jsc

### Associate Professor

John Rodway Robertson, MA W.Aust. and A.N.U.

### Senior Lecturers

Alec Jeffrey Hill, MBE, ED, BA Syd., MA Oxon., MACE, psc  
John Malcolm McCarthy, BA Qld., MA N.S.W., PhD A.N.U.  
Roger Clark Thompson, BA DipEd Melb., PhD A.N.U.  
Gerald Patrick Walsh, MA DipEd Syd., MA A.N.U.

### Tutor

Sandra Joy McDonald, MA LaT.

### Teaching Fellow

Kevin John Fewster, BA A.N.U.

### Research Assistant

Margot Ziana Simington, BA N.E.

---

## Department of Language and Literature

---

Professor of English  
Vacant

Associate Professor and Acting Head of Department  
John Tudor Laird, MA Syd.

Associate Professor  
William Henry Wilde, MA DipEd Syd., MACE

Senior Lecturer  
Barry Geoffrey Andrews, MA N.S.W., DipEd Syd.

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## Department of Mathematics

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Professor of Mathematics  
John Carlyle Burns, MSc N.Z., BA Camb., PhD Manc.

Associate Professor and Acting Head of Department  
Allister McMullen, MA Syd.

Senior Lecturers  
Bruce Alan Barnes, MSc DipEd Syd.  
Neville John de Mestre, BSc DipEd Syd., MSc W.Aust.,  
PhD N.S.W.  
Trevor Parkes, BSc Manc., MSc A.N.U.

Lecturers  
Keith Lawrence Byrnes, MA Syd.  
Edward Arthur Catchpole, BSc Lond., PhD Dund.

Tutor  
How-Hie Ling, BE Monash, MEngSc N.S.W.

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## Computer Science

Senior Lecturer  
Andrew John Quaine, BEE BSc Melb., MSc A.N.U.

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

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## Department of Chemistry

---

Professor of Chemistry and Head of Department  
Richard Bearman, AB Corn., PhD Stan., FAIC

Associate Professor  
Boyd Dempsey, MSc Syd., BEd Melb., FRACI

Senior Lecturers  
Dennis Joseph McHugh, BSc Syd., PhD N.S.W., ARACI  
Eldon Percy Serjeant, MSc N.S.W., ARACI  
John William Tardif, MSc Syd.

Lecturers  
Norman David Hamer, BSc Arizona State, PhD M.I.T.  
Shiu Pang Lee, BSc H.K., MA PhD N.Y. State  
Richard Alan Russell, BSc Tas., PhD A.N.U.

Teaching Fellow  
Kin Chee Ho, BSc W.Aust., PhD A.N.U.

Research Scientist  
Benjamin Colin Freasier, BSc PhD Louisiana

Professional Officer/Programmer  
Donn Lewis Jolly, BSc PhD Flin.

Research Officer  
Dennis John Isbister, BSc N.S.W., MSc Indiana

Professional Engineer  
Neil MacLay Wilson, BTech BSc Adel.



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## Department of Physics

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### Professor of Physics and Head of Department

Geoffrey Victor Herbert Wilson, MSc DSc *Melb.*, PhD *Monash*, FAIP

### Associate Professor

David Edward Swan, OBE, BSc *Syd.*, BEd *Qld.*, MInstP, MAIP

### Senior Lecturers

Donald Hugh Chaplin, BSc PhD *Monash*  
 Dudley Cecil Creagh, BSc DipEd *Qld.*, MSc *N.E.* and *Brist.*,  
 PhD *N.S.W.*, MInstP, MAIP  
 Edwin Dennis, MSc *Adel.*, PhD *A.N.U.*, GradAIP

### Lecturers

Herbert Reginald Foster, BSc *Syd.*, MSc *A.N.U.*  
 Dennis Keith Fowler, MSc *N.E.*, GradAIP  
 Robert William Noel Kinnear, MSc *N.Z.*, GradAIP  
 Peter Lynam, BSc *Birm.*, PhD *S'ton.*, MIP

### Post-Doctoral Research Fellow

Stewart James Campbell, BSc *Aberd.*, MSc *Salfr.*,  
 PhD *Monash*, MInstP, MAIP

### Teaching Fellows

Leonidas Odysseus Barbopoulos, MSc *Sir G. Wms.*,  
 PhD *A.N.U.*  
 Peter Cooke, BSc *Flin.*

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## Department of Civil Engineering

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### 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  
 Leo Albert Peterson, BCE *Melb.*, CEng, MIEAust  
 John Sneddon, BSc(Tech) *N'cle. (N.S.W.)*, BE PhD *N.S.W.*,  
 MIEAust

### Lecturers

Bruce Wilfrid Golley, BE *Adel.*, MSc(Eng) PhD *Qu.*, MIEAust,  
 AMASCE  
 Muhammad Naseerul Haque, BSc *Lahore*, MEng  
*A.I.T. Bangkok*, PhD *N.S.W.*

### Tutor

Animesh Basu, MSc *Calc.*, MS PhD *S.U.N.Y.*

### Teaching Fellow

John Stewart Childs, BE *Syd.*

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## Department of Electrical Engineering

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### Professor of Electrical Engineering and Head of Department

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

### Senior Lecturers

Geoffrey Cochrane, BSc *Lond.*, PhD *N.E.*, MInstP, MIREEAust  
 Cyril George Joseph Streatfield, BSc(Eng) *Lond.*, CEng, MIEE,  
 MIEAust

### Lecturers

John Desmond Cashman, BE *N.S.W.*, BA MSc *A.N.U.*  
 Michael Charles Cavenor, BSc *Aston*, PhD *N.E.*  
 Gordon Albert Moyle, ME *Auck.*, CEng, MIEAust, MIREEAust,  
 MIEE, MIEEE

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## Department of Mechanical Engineering

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### Professor of Mechanical Engineering and Head of Department

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

### Lecturers

Ian William Linnett, BE MEngSc *Syd.*  
 Noel Edward Thompson, BSc *Syd.*, MSc *Birm.*

### Tutor

Wai Yee Yuen, BE *N'cle. (N.S.W.)*

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## Computer Centre

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### Manager

Malcolm Charles Smith, ME *N.S.W.*

### Programmer

Willma Stibbards, BSc *Qld.*

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

### Department of Engineering

C. W. Thomas, ASTC, MIEAust

A. R. Watson, BE *Qld.*, CEng, MIMechE, MIEAust

### Department of Mathematics

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

### Bridges Memorial Library

#### Librarian

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

### Director of Military Art, Royal Military College, Duntroon

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

### Student Counsellor

Lieutenant Colonel H. F. Buckham, BCom DipPsych *Qld.*, MAPSS, AA Psych Corps

### Commanding Officer of the Corps of Staff Cadets

Lieutenant Colonel R. J. Moyle, jssc, psc, RAAC

### Chief Instructor

Lieutenant Colonel D. E. Paterson,  
GradDipAdmin *Canberra C.A.E.*, psc, psc(US), RAInf

### Staff Officer 2 (Co-ordination)

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

Major P. R. Florance, RACT

### Staff Officer 2 (Projects)

Major K. C. Ashman, psc, RAAC

Major D. J. Halmarick, RAAOC

### Company Commanders

Major P. S. O'Sullivan, RAInf

Major R. J. McKinnon, BTech *Adel.*, CEng, qtc, RAE

Major K. A. Niguét, RASigs

Major C. G. Wotton, psc, RNZAC

### Director of Army Training

Colonel J. M. Church, DSO, psc

---

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

Head of the School of Chemistry: Professor J. S. Shannon

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 R. A. A. Bryant

Head of the School of Metallurgy: Professor H. Muir

Head of the School of Physics: Professor E. P. George

Head of the School of Political Science: Professor D. M. McCallum

Pro-Vice-Chancellor: Professor A. H. Willis

Registrar of the University: Mr K. L. Jennings

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

## Faculty of Professional Studies

*Comprises Schools of Health Administration, Librarianship, Social Work, and Education; Department of Industrial Arts.*

### Acting Dean

Professor A. H. Willis

### Chairman

Professor L. M. Brown

---

## School of Education

---

### Professor of Education and Head of School

Leslie Melville Brown, MA MEd Syd., PhD Lond.

### Professor of Education

Desmond John Drinkwater, MA Syd., MA PhD Lond., ABPS, MAPS, MACE

### Professor of Science Education and Director of Science Teachers' Courses

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

### Senior Lecturers

Colin Fraser Gauld, BSc DipEd PhD Syd.

James Henry Gribble, BA PhD Melb., MPhil Lond.

Colman Kevin Harris, BA MEd Syd.

Phillip Hugh Meade, BSc BEd Qld., MA LaT., PhD N.S.W.

Barry Charles Newman, BA MSc PhD Syd.

### Lecturers

Robert John Barry, BSc N.S.W., BA DipEd PhD Syd., MSc Macq.

Richard Martin Bibby, MA BD Otago

Rachel MacDonald Boyd, MA PhD Otago

Patricia Davies, BA City, N.Y., MSc Lond.

James Arthur Fitzgerald, BA DipEd Syd., LittB N.E., MA Macq.

Michael Robert Matthews, BA BSc DipEd Syd.

Michael Francis Petty, BA Durh., DipEd MEd Calg., PhD Wis.

Shelley Phillips, BA Melb., PhD Syd.

Shirley Louise Smith, BA PhD Syd.

Robert Thomas Solman, BSc N.S.W., BSc Tas.

John Sweller, BA PhD Adel.

Frederick Edward Trainer, BA PhD Syd.

### Senior Administrative Officer

Jane Wholohan, BA DipEd Syd.

### Administrative Assistant

Barbara Jane Molnar, BA Calif.

### Research Assistant

Peter Robert Harrington, BSc N.S.W.

### Staff Detached from the New South Wales Department of Education

### Lecturers

Kevin Carter, BSc N.S.W., MIIA, MAIM

Edward John Owen Edwards, BA N.E.

John Bradley Henderson, BSc N.S.W.

Peter James Hourigan, BEc Syd.

Ronald Charles Hurley, BA N.E., MEd N.S.W.

Ronald George Johnson, MA Syd., DipEd R'dg.

Trevor St. Clair McMinn, MA Syd., MSc Lond.

Margaret Cecilia Peppercorn, BA DipEd N.E.

Timothy David Radford, BA N.E.

Susan Madge Sweller, BSc DipEd Syd.

Frank Howard Stuart Tebbutt, BSc DipEd Syd.

---

## 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., DipTertEd N.E., FACMA, MFCM, MACE

## Senior Lecturers

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

## Lecturers

Sydney Samuel Wilton Davis, LLM Syd.  
Stephen John Duckett, BEc A.N.U., MHA N.S.W.  
Timothy John Phillips, BCom N.S.W., DipEd Syd.  
Graeme Kendle Rawson, BA N.E., MA Macq.

## Tutor

Helen Madeleine Murphy, BA Auck.

## Administrative Assistant

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

## Honorary Associates

R. L. Thomas, BCom Melb., FHA, FCIS, AASA  
T. J. Wood, MB BS Melb., MHA N.S.W., FRACP, FACMA, AHA

---

## Department of Industrial Arts

---

### Associate Professor and Head of Department

Leslie Martin Haynes, BA MEd Syd., FRSA, FBPsS, FAIM,  
MACE

### Lecturers

Donald McArthur Godden, MSc N.S.W.  
William Richard Lawson, BSc PhD N.S.W.  
Keith Alexander Lodge, BE Syd., SAEA  
John Kyle Redmond, MA R.C.A., DipAd C.S.A.D., FRSA, AIDIA

### Professional Officer

Janice Mary Haynes, BA Melb.

---

## School of Librarianship

---

### Professor of Librarianship and Head of School

Melvin Weinstock, BSc Rutgers, MSc Drexel

## Associate Professor

Carmel Jane Maguire, BA Qld., MA A.N.U., ALAA

## Lecturers

Jennifer Linsley Affleck, BA Syd., DipLib N.S.W., ALAA  
Michael Robert Middleton, BSc W.Aust.,  
DipLib GradDip N.S.W., ALAA  
Jack Richard Nelson, MA Syd., ALAA  
Peter Orlovich, MA DipEd Syd., MLib N.S.W., ALAA  
Patricia Willard, BA N.E., MLib N.S.W., 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.

## Administrative Assistant

Raymond John Locke

## Research Assistant

Judith Ann Burgess, BA DipEd Syd., ALAA

## Honorary Associate

Wilma Radford, BA MEd Syd., BSc Col., FLAA

---

## School of Social Work

---

### Professor of Social Work and Head of School

Robert John Lawrence, BA DipSocSc Adel., MA Oxf.,  
PhD A.N.U.

### Professor of Social Work

Ron Baker, MA Brad., DipSocStud Leic.

## Senior Lecturers

Robert U. Doyle, BA St Francis Xavier U., MSW Dal., PhD Tor.  
Gwendoline Audrey Rennison, MA Camb., CertSocSci&Admin  
L.S.E.

#### Lecturers

Shirley Jessie Barnes, BA DipSocWk Syd.  
Maisry Elspeth Browne, BA DipSocStud Syd.  
Winsome Claire Bunday, BA N.S.W., DipSocStud Syd.  
Charles Maxwell Ross Cornwell, BA BSocStud Qld.  
Brian Anthony English, BSW N.S.W.  
June Huntington, BA Lond.  
Margaret Teresa Lewis, BSocStud Qld., MSW N.S.W.  
Colin John Marshall, BA DipSocWk DipCrim Syd.  
Erkan Ongel, BS Ankara, MSW PhD Pitt.  
Pamela Marjorie Thomas, BA DipSocStud Syd., MS Col.  
Christopher John Williams, B.A. Camb., DipSA Manc.  
Jennifer Warner Wilson, BA BSocStud Syd.

#### Tutors

Jan Mason, MA Syd.  
Mark Daniel Schlosser, BSW N.S.W.  
Betty Simon, BSSW Ohio

#### Administrative Assistant

Audrey Nancy Ferguson, BA DipSocStud Syd.

#### Research Assistant

Judie Suttor, BA N.S.W.

## Faculty of Science\*

*Comprises Schools of Chemistry, Mathematics, Optometry and Physics.*

#### Dean

Professor S. J. Agyal

#### Chairman

Professor R. M. Golding

#### Director of Studies in Science

Associate Professor L. G. Parry

#### Graduate Assistant

Emma Shackleton Rossi, BA Syd.

#### \*Board of Studies in Science and Mathematics.

The Board of Studies in Science and Mathematics includes all members of the Faculty of Biological Sciences and the Faculty of Science, and some members of specific Schools in other faculties contributing to the Science and Mathematics Course: Applied Geology, Chemical Technology, Geography, Chemical Engineering, 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, Surgery (Medicine); Education (Professional Studies); and the Department of General Studies (Board of Studies in General Education).

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## School of Chemistry

---

### Professor of Chemistry and Head of School

James Stanley Shannon, DIC, PhD *Lond.*, DSc *Adel.*, FRACI

### Professor of Organic Chemistry

Stephen John Charles Angyal, OBE, PhD *Bud.*, DSc *N.S.W.*, FAA, FRACI

### Professor†

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

### Professor of Theoretical and Physical Chemistry and Head of Department of Physical Chemistry

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

### Professor\*\* and Head of Department of Inorganic Chemistry

Stanley Edward Livingstone, PhD DSc *N.S.W.*, FSTC, FRACI

### Professor of Analytical Chemistry and Head of Department of Analytical Chemistry

Lloyd Earle Smythe, MSc *Syd.*, PhD *Tas.*, FRACI

### Executive Assistant to Head of School

William John Dunstan, MSc *Syd.*, ARACI

### Senior Administrative Officer

Ralph Sutton, MVO, AFAIM, psc

### Honorary Associates

Lister George Clark, ASTC, ARACI, FAIFST

Neville Charles Stephenson, MSc *Syd.*, PhD DSc *N.S.W.*, FRACI

### Professional Officers

James Bell, BE *N.S.W.*, ASTC

Joseph John Brophy, BSc PhD *N.S.W.*, DipEd *Monash*

Anthony Yook Ming Chung, BE *Tas.*

Donald Chadwick Craig, BSc *Syd.*, MSc *N.S.W.*

Vladimir Djohadze, BSc *N.S.W.*

Richard James Finlayson, BSc *N.S.W.*, ARACI

Peter Anthony James, BSc *N.S.W.*, ASTC, ARACI

Derek Nelson, BSc DipEd *Bell.*

Victor Arthur James Pickles, MSc *N.S.W.*, ASTC, ARACI

James Francis Rockwell, BSc *N.S.W.*, ASTC

Robert Bruce Rogers, BSc *N.S.W.*, ARMTIC

Graeme Thomas See, BSc *N.S.W.*, ASTC

John Sussman, BSc *Syd.*

Oen Bin Tio, BE *N.S.W.*

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

---

## Department of Analytical Chemistry

### Associate Professor

Douglas Peter Graddon, MSc PhD *Manc.*, FRIC

### Senior Lecturers

Peter William Alexander, MSc PhD *Syd.*, ARACI

Ian Kelvin Gregor, BSc *N.E.*, MSc PhD *N.S.W.*

Ewan Cameron Martin, MSc PhD *N.S.W.*, ASTC, FRACI

### Lecturers

Sergio Dilli, BSc PhD *N.S.W.*, ASTC, ARACI

Jaroslav Petr Matousek, MSc *T.U.(Prague)*, ARACI

### Tutor

Anne Weekley, DipTech(Sc) *N.S.W.I.T.*, MChem *N.S.W.*

### Teaching Fellow

Vyt Peter Garnys, BSc *W.Aust.*, ARACI

---

## Department of Applied Organic Chemistry

### Senior Lecturer and Head of Department

George Crank, MSc *Qu.*, PhD *Monash*

### Senior Lecturer

Peter Thomas Southwell-Keely, BSc *Syd.*, PhD *N.S.W.*

### Lecturer

Norman William Herbert Cheetham, BSc PhD *Q/d.*

### Senior Tutor

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

---

## Department of Inorganic Chemistry

### Associate Professor

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

### Senior Lecturers

James Roy Backhouse, MSc *Syd.*, PhD *N.S.W.*

Ian Gordon Dance, MSc *Syd.*, PhD *Manc.*, ARACI

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

†In the field of organic chemistry.

\*\*In the field of inorganic chemistry.

**Lecturer**

Benjamin Sidney Morris, MSc Syd., ARACI

---

**Department of Nuclear and Radiation Chemistry**

**Associate Professor and Head of Department**

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 Mihkelson, MSc N.S.W., PhD Syd., ARACI

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**Department of Organic Chemistry**

**Associate Professor and Head of Department**

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**Associate Professors**

Peter Steele Clezy, BSc PhD Tas., ARACI

John Johnson Henry Simes, MSc DipEd Syd., PhD Liv., FRACI

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John Lawrence Courtney, BSc PhD N.S.W., ASTC, ARACI

William John Dunstan, MSc Syd., ARACI

Michael John Gallagher, MSc Qld., PhD Camb., ARACI

John David Stevens, BSc Tas., PhD N.E., ARACI

**Lecturer**

George Vernon Baddeley, BSc Manc., DPhil Oxon.

**Senior Tutor**

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

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**Department of Physical Chemistry**

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Gregory Stewart Buchanan, MSc Syd., ARACI

Tristan John Victor Findlay, BSc PhD St. And., ARACI

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Prosper David Lark, BEc Syd., MSc PhD N.S.W., ASTC, ARACI

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Joan Pauline Ross, BSc Syd.

Kim Hoa Tran, BSc PhD N.S.W.

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**Professor of Statistics**  
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David Christopher Hunt, BSc *Syd.*, MSc PhD *Warw.*  
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Shaun Anthony Requa Disney, BA BSc *Adel.*, DPhil *Oxf.*

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John Harold Loxton, MSc *Melb.*, PhD *Camb.*  
Iain Raeburn, BSc *Edin.*, PhD *Utah*  
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**Tutors**  
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Veronica Paul, BSc *Wales*, DipEd *N.E.*  
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**Emeritus Professor**  
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**Honorary Associate**  
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William Eric Smith, MSc *Syd.*, BSc *Oxon.*, PhD *N.S.W.*, MInstP

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Elvin James Moore, MSc *W.Aust.*, PhD *Harv.*  
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Alexander Hugh Opie, BSc DipEd *Melb.*, PhD *Monash*

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Kok-Lay Teo, BSc *Sing.*, MSc PhD *Ott.*, MIEEE, AMIEEE

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Felicity Alison Dewar, BSc *Qu.*

**Tutors**  
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Jan Dennis Newmarch, BSc *Brist.*



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Clyde Arnold McGilchrist, BSc BEd *Qld.*, MSc PhD *N.S.W.*

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Captain Daniel James McKeegan, BSc *Syd.*, MSc PhD *N.S.W.*,  
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George Amigo, BSc(OptSc) PhD *N.S.W.*, ASTC, FIO, FAAO

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LOSc VCO(Melb), FAAO

Maxwell McNeil Lang, BSc PhD *N.S.W.*, ASTC, FIO, FAAO,  
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Bernard Peter Tan, BSc(Optom) *Melb.*, LOSc VCO(Melb)

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Ian William Robinson

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### Professor of Experimental Physics

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### Professor of Theoretical Physics and Head of Department of Theoretical Physics

Heinrich Hora, DiplPhys *Halle*, DrRerNat *Jena*, FAIP

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Phillip Andrew Miles, BSc *N.S.W.*

Paul Michael O'Halloran, BA *Macq.*, GradAIP

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John Lloyd Symonds, BSc *Adel.*, PhD *Birm.*, FlInstP, FAIP

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## Department of Applied Physics

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 David Henry Morton, MA *Oxf.*, FInstP, FAIP  
 Howard Frank Pollard, MSc *W.Aust.*, PhD *N.S.W.*, MInstP,  
 MAAS, MASA, MAIP

### Senior Lecturers

John Ian Dunlop, BSc PhD *N.S.W.*, MAIP, MAASATI  
 John Robert Hanscomb, BSc *Qld.*, MSc PhD *N.S.W.*, MAIP,  
 GradInstP  
 Leslie Bevan Harris, BSc *Lond.*, BA DipEd *Durh.*, PhD *N.S.W.*,  
 AIM, AInstP  
 Victor Raymond Howes, BSc PhD *Lond.*

### Lecturers

Kenneth Mann, BSc *Qld.*, MSc *N.S.W.*

### Tutors

Vu Van Hoi, BSc BE *N.S.W.*

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## Department of Theoretical Physics

### Associate Professor

Jaan Oitmaa, BSc PhD *N.S.W.*, FAIP

### Lecturers

David Neilson Lowy, BSc *Melb.*, MS PhD *S.U.N.Y.*  
 John Richard Shepanski, MSc *Syd.*, MAIP

### Tutor

Ting Hun Ho, BSc *H.K.*

### Teaching Fellow

Roderick Ian Sutherland, BSc *La T.*, MSc *N.S.W.*

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### Secretary to the Director

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 Philip Ronald Brown, BCom *N.S.W.*, MBA PhD *Chic.*  
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 John Stringer, MA *Camb.*  
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 MA(InternatAffairs) *Car.*, MPA *Harv.*  
 Dianne Yerbury, LLB *Lond.*, DiplTechSci *Manc.*, PhD *Melb.*

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George Foster, MEc *Syd.*, PhD *Stan.*  
 Philip Yetton, BA *Camb.*, DipIndustAdmin *Liv.*, MS PhD  
*Carnegie-Mellon*

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Robert Bryan Vermeesh, LL.M. Syd.

### Lecturers

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John Alfred Charles Conybeare, BA A.N.U., AM PhD Harv.

Lex Donaldson, BSc Aston., PhD Lond.

Richard Dowell, BS Okla., MA Chic.

Robert Ernest Marks, MEngSc Melb., ResCert Camb.,  
MSc Stan.

David Francis Midgley, BSc Salf., MS PhD Camb.

### Analyst Programmer

Ian Leslie Johnstone, BSc N.S.W.

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Roger John Bell, BA *N.S.W.*, MA PhD *Syd.*  
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Graeme Henry Patrick Connelly, BA MSc(Econ) *Lond.*  
Norman Douglas, BA *N'cle.(N.S.W.)* PhD *A.N.U.*  
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**Administrative Assistant**

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# Vice-Chancellor's Unit and Administration

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## Vice-Chancellor's Unit

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Hon. LLD *Strath.*, Hon. DSc *W'gong.*, FIM, FRACI, FAIM,  
MAusIMM

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### Secretary to the Vice-Chancellor

Joan Patricia Waghorn

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### Adviser, Public Affairs and Head of Unit

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### Community Liaison Officer

Michael King

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### Editorial Services Officer

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### Lecturer

Patricia Anne Brown, MA *Qld.*, DipLib *N.S.W.*

### Co-ordinator

Christine Mary Atamaniuk, BSW *N.S.W.*

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Colin Graham Webb

### Analyst/Programmers

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Ewa Zofia Biegalska, MSc *Warsaw*

Noel Diaz, BScEE BScME *Feati*, MScEE *Purdue*, MIEAust

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Phillip Edgar Johnstone, MSc *Melb.*, ARMIT, MACS

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Geoffrey Innes Smith, BE MEngSc *N.S.W.*

### Professional Officer (Engineer)

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#### Auditor

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#### Radiation Protection Officer

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Roy Stafford Caddy, BSc DipEd *Syd.*, MInstP, MAIP, MAAS

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#### Administrative Assistant

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**Deputy Head/Executive Officer of Sports Association**

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James Andrew O'Brien, BEd W.Aust. DipPhysEd

**Assistant Supervisor of Physical Recreation**

Deborah Michelle Carroll, DipPhysEd

**Recreation Officer**

Gerry Lissing

**Student Housing Officer**

Judith Anne Hay, BA N.E.

**Administrative Assistant**

Yannick Aubree, BA Bordeaux, LLB Paris, LLM Texas

---

## Student Counselling and Research Unit

### Head

George Andrew Gray, DFC, BA BEc Syd., MAPsS, ABPsS

### Senior Counsellors

Robert Archibald Sheen, MA Syd., MEd N.S.W., MAPsS

John Charles Wheeler, BA DipEd Syd., MAPsS

### Counsellors

Bryan David Burke, BA Syd., PhD W.Aust., MAPsS

Robert George Hay, BA Syd., MSc N.S.W., MAPsS

Fred Earl Orr, BA Ohio, BSc N.S.W., MAPsS

### Assistant Counsellor

Barbara Lindsay Crouch, BEcon DipPsych Qld.,  
DipEd Canberra C.A.E., MEd Syd.

### Senior Research Officer

Keith Leslie Underwood, BA Syd., PhD N.S.W., ASTC, MAPsS

### Research Officer

Basil Smith Walker, BSc N.S.W., MAPsS

---

## Student Employment and Scholarships Unit

### Assistant Registrar

John Francis Foley, BEc Syd.

### Administrative Officer

Garry de Jager, BSc N.E.

### Administrative Assistants

Adrian Thomas Hall, BA N.S.W.

Robyn Ann Mellor, BA N.S.W.

Kenneth Charles Stuart, BCom N.S.W.

---

## Student Health Unit

### Director

Maxwell Albert Napthali, MB BS Syd.

### Medical Officers

Igor Galitsky, MB BS Syd.

Geoffrey Ross Hansen, MB BS N.S.W.

### Nursing Sisters

Pamela Adèle Crossie, SRN

Hillegonda Aafje Krans, SRN, SRM

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## Division of the Bursar

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### Bursar

Thomas Joseph Daly, BEc Syd.

### Associate Bursar (Finance)

George Dixon Christie, AASA

### Deputy Bursars

Valerie May McCallum, BSc N.S.W., MAPsS

Jack Alexander Owens, BA Syd.

Bruce Cecil Smith, AASA

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## Accounts Branch

### Assistant Bursar (Accounting)

Kenneth James Williams, BCom N.S.W., AASA

### Section Heads

#### Paymaster and Investment Records Officer

Mervyn Ray Atherton

#### Examiner of Accounts

Leslie Allan Deveridge

#### Salaries and Wages Officer

Leslie George Hughes

---

## Personnel Branch

### Academic Staff Office

#### Executive Officer (Staff)

Allan Sydney Veitch

#### Senior Administrative Officer

Dennis Lloyd Moore

#### Administrative Assistant

Elizabeth Simpson

---

**General Staff Office****Senior Administrative Officer**

Warwick Gregory Spooner, BCom *N.S.W.*

---

**Industrial Relations Office****Senior Administrative Officer**

Kevin Moore Gibson

**Administrative Officer**

Digby Rotherham Colley

---

**University Employment and Establishments Offices****Senior Administrative Officer**

Warwick Acott, BA *Syd.*

---

**Employment Office****Administrative Officer**

Peter John Seymour Thom, BA *N.S.W.*

**Administrative Assistant**

Simon Christopher Robert Malcolm, BA *Syd.*

---

**Establishments Office****Administrative Officer**

Roger Dye, BCom *N.S.W.*

---

**Registry****Officer-in-Charge**

Ronald Frederick Nelson

---

**Purchasing Branch****Assistant Bursar (Procurement)**

John Frank Ernest Best

**Purchasing and Stores Officer**

Keiran Russell Young

**Assistant Purchasing Officer**

Peter Stanley Harry Miles

---

**Budget Branch****Assistant Bursar (Budgeting)**

George Knight Bull, FASA

**Chief Ledgerkeepers**

Kevin James Austin (Special Purposes)

Eric William Bamforth, AASA (General)

---

**Costing and Analysis Unit****Investigation and Analysis Officer**

Reginald Clement Snellgrove

**Administrative Officer**

Michael James Anstiss, BCom *N.S.W.*, AASA

**Administrative Assistant**

William Christiaan Van Kalken

---

**Property Division**

---

**Business Manager (Property)**

Robert Kennedy Fletcher, LLB *Syd.*

**Associate Business Manager (Property)**

James Emery Moore, MA LLB *Syd.*

**Deputy Business Manager (Property)**

Ian Richard Way, BE *Qld.*, MIEAust

**Legal Officer**

Albert Charles Edghill

---

**Architect's Office****University Architect**

Noel Sydney Wright, BArch DipTCP *Syd.*, FRAIA

**Architects**

Robert Thomas Reid Bennett, BArch *N.S.W.*, ARAIA

Allan Lindsay Craig, DipTCP *Syd.*, ASTC, ARAIA

Peter Alfred Godhard, BArch *Syd.*, ARAIA

---

## **Buildings, Grounds and Engineering Maintenance Sections**

### **Engineer**

Ronald Tingle, ASTC, MIEAust

### **Assistant Engineer**

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

### **Maintenance Controller**

Robert Osborne Kent

### **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*

George Frederick William Sanders, BA *Syd.*

---

## **Patrol and Cleaning Services**

### **Superintendent**

Dennis Michael McMahon

### **Supervisor (Patrol)**

Brian Stanley

### **Supervisor (Cleaning)**

Ronald William Knox

---

## **The University Union**

---

### **Warden**

A. T. Cuningham, ED, BEc *Syd.*, FAIM, FCIA

---

## **The Kensington Colleges**

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### **Master**

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

### **Warden, Basser College**

John Eric Giutronich, BSc *Syd.*, PhD *N.S.W.*, AAIP

### **Warden, Goldstein College**

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

### **Warden, Philip Baxter College**

Professor Eric Paul George, BSc PhD *Lond.*, DSc *N.S.W.*,  
FInstP, FAIP

---

## **International House**

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### **Warden**

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

### **Assistant Warden**

June Hall

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## **Prince Henry/Prince of Wales/Eastern Suburbs Hospitals**

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### **Chief Executive Officer**

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

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## **Unisearch Limited**

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### **General Manager and Secretary**

Barry Rosenberg

### **Assistant Manager**

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

# Library

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## Administration Unit

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### University Librarian

Allan Roy Horton, BA Syd., FLAA

### Associate Librarian

Robert Ziegler Langker, BA Syd., ALAA

### Senior Administrative Officer

Edward Ernest Haines

### Systems Supervisor

David Tung, BSc N.S.W., DipLib *Canberra C.A.E.*

### Systems Analyst

Kewan McDonald

### Senior Librarian (Systems)

Margaret Lyndall Grose, BSc N.S.W., DipLib *Canberra C.A.E.*

### Librarians

Brigitte Ingrid Hamann, BSc Syd., DipLib N.S.W., ALAA  
David John Potter, BScEng DipLib N.S.W., ARMIT, MIEAust, ALAA

---

## 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  
Johanne Elizabeth Stubbin, BA Qld., ALAA  
Isabella Doris Trahn, BA Qld., DipLib N.S.W.

### Librarians

Sylvia Maguire, BA Syd., ALAA  
Annette Joy Quay, BA Syd., DipLib N.S.W.  
Marjorie Robin Shelley-Jones, BA N.S.W., ALAA  
Roberta Seymour Whitehead, BA Syd., DipLib N.S.W.

### Senior Clerk

Warren Alan Duggin

---

## Cataloguing Department

### Head Cataloguer

Wallace Macdonald Batchelor, BCom DipLib N.S.W.

### Senior Librarians

Frances Jossek, BA Syd., DipLib N.S.W., ALAA  
Jeanette Sau Ling Shi, BA Syd., DipLib MLib N.S.W., ALAA

### Librarians

Julia Hamilton Barton, BA Syd., DipLib N.S.W.  
Ronald Sherby Berman, BA *Brandeis*, MLS *Pratt Inst., N.Y.*  
Margaret Brierley, BA Syd., DipLib N.S.W., ALAA  
Virginia Carter, BA *Macq.*, DipLib N.S.W.  
Mohammed Kazim, BA DipLib N.S.W., ALAA  
Fides Datu Lawton, BLS *Philippines*, ALAA  
Thomas Pill, BA Syd., DipLib N.S.W. ALAA  
Irene Smith, BA DipLib N.S.W.  
Kerrie Edith Talmacs, BA Syd., DipLib N.S.W.  
Janne Worsley, BA DipEd *Tas.*

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## Reader Services Division

**Deputy University Librarian (Reader Services)**  
Brian Douglass Foote, BDSc *Qld.*, DDS *Tor.*, ALAA

**Audio Visual Librarian**  
Drummond William George McBain, MA *St. And.*,  
DipLib *N.S.W.*, ALAA

**Reader Education Librarian**  
Margaret Susan Perkins, BA *Syd.*, DipLib *N.S.W.*

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

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## Joint Services Group

**Circulation Librarian**  
Roslyn Margaret Walker, BA *Syd.*, ALAA

**Librarians**  
John Hadfield Holland, BA *Syd.*, DipLib *N.S.W.*, ALAA  
Roni Khuman, BA *Punjab*, DipLib *N.S.W.*

---

## Biomedical Library

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

**Deputy Biomedical Librarian**  
Betty Waddell McEwin, BSc *Adel.*, ARMIT

**Librarian**  
Monica Cecilia Davis, BA DipEd *Chile*, DipLib *N.S.W.*

---

## 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

**Senior Librarian**  
John Paul Moulos, BEc *Syd.*, 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.*  
Walter Duncan Rutherford, BA *Syd.*, DipLib *N.S.W.*  
Phin That Tjhai, BE DipLib *N.S.W.*

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## Computing Services Unit Library

**Librarian**  
Fay Ruth Winter, BA *Syd.*, ALAA

---

## 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.*

**Librarians**

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

Janet Lyndall Robinson, BA *Macq.*, ALAA

Charmaine Susan Symonds, BA DipLib *N.S.W.*

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

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

---

**Undergraduate Library**

**Undergraduate Librarian**

Patricia Frances Howard, BA *Syd.*, ALAA

**Senior Librarians**

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

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

**Librarians**

Bernard Thomas Price, BA *Syd.*, DipLib *N.S.W.*

Linda Margaret Rouse, BA *Tas.*, DipLib *N.S.W.*

## Broken Hill Division

**Director**

Professor J. E. Andersen

---

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

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**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

**Administrative Officer**

Peter Francis Hern, AASA

**Professional Officer**

Boyd Parker Watson, BSc(Tech) *N.S.W.*

---

## 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 *B'lore*,  
PhD *Monash*, MIEAust

---

### Mining Engineering

#### Lecturer

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

---

### Mineral Science

#### Senior Lecturer

Barenya Kumar Banerji, MSc *Patna*, PhD *Leeds*, MAusIMM

---

### Geology

#### Senior Lecturer

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

#### Lecturers

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

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

#### Tutor

Alaster Carlile Edwards, BSc *Melb.*, GSA, AMAusIMM

---

## Department of Science

### Chemistry

#### Associate Professor

Keith George O'Brien, MSc *Syd.*, PhD *N.S.W.*, FRACI,  
AMAusIMM

#### Lecturer

Derek Richard Smith, BSc PhD *Wales*

#### Senior Tutor

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

---

### Mathematics

#### Lecturers

David Charles Guiney, BSc PhD *Adel.*

Zdenek Kviz, Dip Phys *Brno*, CSc RerNatDr *Charles*, PhD  
*Prague*

Dennis William Trenerry, BSc PhD *Adel.*

---

### Physics

#### Senior Lecturer

Robert John Stening, MSc *Syd.*, PhD *Qld.*, MAIP

#### Lecturer

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

---

## Fowlers Gap Research Station

---

#### Officer-in-Charge

Ian Hugh Auldlist, BAgSc *Melb.*, MAIAS



# 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, FIM,  
FRACI, FAIM, MAusIMM 1961-1969  
John Faithfull Clark, BSc MA DipEd PhD 1962-1967

## 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, FIEAust, FICE, FAIB, Hon.FAICS  
Sir Philip Baxter, KBE, CMG, BSc PhD, Hon.DSc, FAA,  
FRACI, FIEAust, MIChemE  
Geoffrey Bosson, MSc  
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  
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  
James Matthew Vincent, DScAgr, DipBact, FAIAS  
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	Harold Graydon CONDE	1947-1959
Henry Ingham ASHWORTH (Emeritus Professor)	1970-1972	Michael David COPER	1973-1977
James Johnston AUCHMUTY (Professor)	1959-1961	Gerald King CRANNY	1950-1953
Frederick William AYSCOUGH (Professor)	1953-1957	John Cowan CRAWFORD	1969-1971
Lloyd Sydney BAKER	1955-1957	Evelyn Douglas DARBY MLA	1976-1977
Horace Newton BARBER (Professor)	1968-1970	Arthur DENNING	1947-1958
Lindley John Forbes BARRACLOUGH MLA	1974-1976	Eric Alexander DICKSON	1958-1962
Sidney Edgar BARRATT	1965-1977	Lorimer Fenton DODS (Emeritus Professor Sir)	1962-1964
James Noel BARRETT	1955-1958	John Bartram DOUGLAS (Associate Professor)	1971-1975
William Harold BARWICK	1975-1977	Philip John DRUMMOND	1973-1975
John Dennis BAXTER	1965-1967, 1975-1977	Randolph Edward DUNBAR	1962-1971
Philip BAXTER (Emeritus Professor Sir)	1950-1969	Kevin ELLIS (The Hon. Sir)	1965-1975
Richard John BECKETT	1973-1975	Ian Thomas ERNST	1960-1965
Charles Brian BELCHER	1961-1965	Raymond James Wood Le FEVRE (Professor)	1947-1948
Ralph Beattie BLACKET (Professor)	1970-1973	Francis Joseph FINNAN (The Hon.) MLA	1949-1953
Robert Frank Etherington BOLTON	1963-1973	Geoffrey Francis FISHBURN (Dr)	1971-1975
Kenneth George BOOTH MLA	1962-1965	Douglas Lyons FORD	1965-1973
Geoffrey BOSSON (Emeritus Professor)	1953-1955	Robert Thomas FOWLER (Professor)	1975-1977
Frank Symonds BRADHURST	1955-1957	John Maxwell FREELAND (Professor)	1963-1965
Harold James BROWN (Professor)	1949-1952	Robert Clarence GIBSON	1955-1959
Morven Sydney BROWN (Professor)	1961-1963	John Patrick GLASHEEN	1947-1954
Walter Ralston BUNNING	1971-1977	William McCulloch GOLLAN (The Hon.) MLA	1953-1962
Robert Charles Philip CAIRNS (Dr)	1963-1969	John Martin GREEN	1974-1976
Athol Sprott CARRINGTON (Professor)	1973-1977	George Vincent HALL (Dr)	1969-1977
Thomas Garden CARTER	1959-1962	Berthold HALPERN	1971-1973
Malcolm CHAIKIN (Professor)	1961-1963, 1965-1969	Roy William HARMAN	1947-1953
John CLANCY (The Hon. Sir)	1949-1970	Robert Carr HARRISON	1947-1953
William Edward CLEGG	1947-1957	Ronald Max HARTWELL (Professor)	1955-1956
Jeffrey COHEN	1971-1973	Robert James HEFFRON (The Hon.) MLA	1947-1949
Kenneth COLES (Sir)	1961-1965	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
		James Kenneth MacDOUGALL	1948-1960
		Reginald William John MACKAY	1960-1969
		David John MAGNUSSON	1959-1961
		James Joseph MALONEY (The Hon.) MLC	1949-1967

David Paver MELLOR (Emeritus Professor)	1963-1967	Harold Stanley WYNDHAM	1952-1968
Jessica Ruth MILNER	1965-1971	Hedley Lawry YELLAND	1969-1977
Allan George MOYES	1969-1977		
Crawford Hugh MUNRO (Emeritus Professor)	1955-1959, 1961-1965		
Robert Kenneth MURPHY	1950-1953		
Claude Edward Courtenay NICHOLLS	1963-1969		
Harold James OLIVER (Professor)	1970-1971		
Peter John O'NEILL	1957-1961		
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		
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		
Philip 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		
Alfred Jacobus van der POORTEN	1967-1973		
Harold Rupert VALLENTINE (Professor)	1975-1977		
Rex Eugene VOWELS (Professor)	1959-1968		
Greig Richard WALLWORK (Associate Professor)	1973-1975		
Robert John WALSH (Professor)	1969-1973		
Geoffrey WARD	1953-1955		
Edward WARREN (The Hon. Sir) MLC	1965-1977		
Robert WEBSTER (Sir)	1947-1975		
Fred WILSON	1947-1953		
John Fell Dalrymple WOOD (Professor)	1950-1975		
Wallace Charles WURTH	1947-1960		

## 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*, has been amended by the *University of New South Wales (Amendment) Act, 1970*. 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.

**Transitional provisions relating to Council.**

**3.** (1) This section shall have effect notwithstanding any repeal effected by, or anything contained in, this Act and notwithstanding any repeal or amendment of the regulations or by-laws that takes effect after the appointed day.

(2) Until the thirtieth day of June, one thousand nine hundred and sixty-nine

(a) the Council shall continue to be constituted; and

(b) the persons who, immediately before the appointed day, were members of the Council shall continue in office as such members,

as if this Act had not been enacted and shall so continue to be constituted, or to hold office, subject to the regulations and by-laws made under the Acts specified in the Schedule to this Act and in force immediately before the appointed day.

(3) On and from the first day of July, one thousand nine hundred and sixty-nine, the Council shall be constituted, and the members thereof shall hold office as such members, as is provided by and under this Act, subsections one and two of this section excepted.

(4) A retiring member of the Council holding office under subsection two of this section shall not, by reason of that membership, be disqualified from again becoming a member of the Council.

(5) Nothing in this section shall be construed as affecting the continuation in office on and after the first day of July, one thousand nine hundred and sixty-nine, of the members of the Council elected by the Houses of Parliament and holding office immediately before that day and they shall, subject to this Act, continue in office accordingly.

**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 and the graduates and undergraduates of the University.

(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 Governor, 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.

**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.

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

(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

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

(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.

**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

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

(a) parliamentary members;

(b) official members;

(c) elected members, being

(i) elected non-student members; and

(ii) elected student members; and

(d) nominated members.

(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 subsection five of section 17F of the Constitution Act, 1902; and

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

(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) (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; and

- Substituted paragraph,  
ibid., s. 3 (1) (d).** (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:
- 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.
- (6) The nominated members of the Council shall be appointed by the Governor and, subject to subsection seven of this section, shall comprise
- Amended,  
Act No. 75, 1970,  
s. 2 (1) (a) (iv).** (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 persons nominated by the Minister.
- (7) For the purposes of paragraphs (a), (b), (c) and (d) of subsection six of this section
- (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 nominations as he thinks fit in order to complete the prescribed number thereof and any nomination so made by the Minister shall be deemed to be 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 nominated 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.

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

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

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

(b) in the case of a nominated member

(i) by a person appointed by the Governor 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.

(11) The provisions of the Public Service Act, 1902, as subsequently amended, shall not apply to or in respect of the appointment by the Governor of any member of the Council, and any member so appointed shall not, in his capacity as such member, be subject to the provisions of that Act, as so amended, during his term of office.

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

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

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

**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 a nominated member, to the Minister;

(c) becomes bankrupt, compounds with his creditors or makes any assignment of his salary or estate for their benefit;

(d) becomes a mentally ill person, a protected person or an incapable person within the meaning of the Mental Health Act, 1958, as subsequently amended;

(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 Governor may approve.

**Branches, departments and colleges.**

**Act No. 11, 1949, s. 29.**

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

(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.**

**20.** The Council may by by-law make provision for the payment by students of the University of fees for entrance to the University, attendance at lectures, conferring of degrees and other charges, except in the case of any student who is granted any fellowship, scholarship, exhibition, bursary or similar benefit, to the extent to which he is thereby exempted from payment of fees.

**Fees.**

**Act No. 11, 1949, s. 31.**

**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, shall be submitted for the consideration and approval of the Governor, and when so approved shall

- (a) be published in the Gazette; and
- (b) take effect from the date of publication or from a later date specified in the by-law.

(5) A copy of every such by-law shall be laid before both Houses of Parliament within fourteen sitting days after the publication thereof in the Gazette if Parliament is in session, and if not, then within fourteen sitting days after the commencement of the next session.

(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.
- (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.
- 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.
- 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.
- 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, as subsequently amended, 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.
- 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.
- 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.
- 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.
- 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.
- Treasurer to meet certain costs.**  
**Act No. 11, 1949, s. 39.**
- Advances by Treasurer.**  
**Act No. 11, 1949, s. 40.**
- Power of University to borrow.**  
**Act No. 11, 1949, s. 41.**
- Accounts to be rendered.**  
**Act No. 11, 1949, s. 42.**
- Audit.**  
**Act No. 11, 1949, s. 43.**
- No religious test.**  
**Act No. 11, 1949, s. 44.**
- Power to accept gifts, etc.**  
**Act No. 11, 1949, s. 45.**
- Council to co-operate with other bodies.**  
**Act No. 11, 1949, s. 46.**
- Report of proceedings.**  
**Act No. 11, 1949, s. 47.**

(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) The regulations shall

(a) be published in the Gazette;

(b) take effect from the date of publication or from a later date to be specified therein; and

(c) be laid before both Houses of Parliament within fourteen sitting days after the publication thereof if Parliament is in session, and if not, then within fourteen sitting days after the commencement of the next session.

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.

**Amendment of Act No. 28,  
1916.**

**Sec. 3.  
(Interpretation.)**

**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".

(2) The Superannuation Act, 1916, as subsequently amended and as amended by this Act, may be cited as the Superannuation Act, 1916-1968.

**Schedule III.  
(Consequential.)**

**Amendment of Act No. 11,  
1949.**

**Long title.**

**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";

**Sec. 1.**

**(Short title and division  
into Parts.)**

(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;

**Sec. 9.**

**(Functions and duties of  
Council.)**

(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.

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. Sub-section 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	<b>Part A</b> 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	
		<b>Part B</b> Persons experienced in Industry or Commerce
The Chamber of Manufactures of New South Wales	3	
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	
		<b>Part C</b> Persons associated with Trade Unions or Employee Organizations
The Labor Council of New South Wales	3	
The University of New South Wales Staff Association	3	
The Public Service Association of New South Wales	3	
		<b>Part D</b> Persons experienced in Agricultural, Pastoral or other Rural Affairs
The Graziers' Association of New South Wales	2	
The United Farmers and Woolgrowers' Association of New South Wales	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.

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.

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

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 two-thirds, 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.

11. 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. The number of members who shall constitute a quorum of any Faculty shall be the greater of (i) 20, or (ii), the product obtained by multiplying the total number of members (exclusive of members who have been granted leave of absence by the Vice-Chancellor) of that Faculty by one-third, 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.

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.

## **Chapter VII — Honorary Degrees**

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:

(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

## **Chapter VIII — Investment of University Funds**

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 regulations for the fixing and payment of fees by students of the University for entrance to the University, attendance at lectures, conferring of degrees and other charges, except in the case of any student who is granted any fellowship, scholarship, exhibition, bursary or similar benefit, to the extent to which he is thereby exempted from payment of fees.

## General Information

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### Intra-University Organizations

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#### Board of Studies in General Education

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The provision of elective subjects in general studies, which form a compulsory part of most courses in Faculties other than Arts and Law, was originally the responsibility of the Faculty of Arts. However, the growing size and complexity of general studies 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 for students in Faculties other than Arts, and more generally for the fostering of other forms of general education. Essentially the Board of Studies has, in the area of general education, responsibilities similar to those of a Faculty.

The Board offers for suitably qualified graduates a program of advanced studies leading to the award of the degree of Master of General Studies (MGenStud). The degree is offered for the first time in 1977. For details consult the General Studies Handbook.

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#### Board of Studies in Science and Mathematics

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The Board of Studies in Science and Mathematics, which was established to facilitate the joint academic admini-

stration 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 course.

The Board of Studies in Science and Mathematics includes all members of the Faculty of Biological Science, the Faculty of Science and 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.

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#### Broken Hill Division

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##### 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 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 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. A Science course is 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.

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### Royal Military College, Duntroon

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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. To this end in 1968 the University established the Faculty of Military Studies at the College. The Faculty provides courses of study leading to the award by the University of the degrees of Bachelor of Arts in Military Studies (BA(Mil)), Bachelor of Arts with Honours in the Faculty of Military Studies (BA), Bachelor of Engineering in the Faculty of Military Studies (BE) (available at pass or honours level), Bachelor of Science in Military Studies (BSc(Mil)), and Bachelor of Science with Honours in the Faculty of Military Studies (BSc). 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 Handbook.

Enquiries relating to the College should be addressed to the Registrar, Royal Military College, Duntroon, ACT 2600.

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### Australian Graduate School of Management

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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.

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.



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## Visiting Committees

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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: Mr G. W. Bottrill (Accountancy); Mr G. Rose (Applied Geology); 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); To be nominated (WS & LB Robinson University College, Broken Hill).

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## Other University Organizations

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### Alumni Unit

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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 Officer is Ms Idelies Louwers. The Alumni Office is located in the Chancellery building. Telephone 663 0351, Extn. 2998.

A close liaison is maintained with the University of New South Wales Alumni Association.

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### Australian School of Nuclear Technology

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The University of New South Wales and the Australian Atomic Energy Commission have co-operated to estab-

lish 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. L. Symonds, 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 three 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.

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## Centre for Biomedical Engineering

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The Centre was established in 1976 to provide a focus for interdisciplinary studies and developments in engineering, medicine and the biological sciences. Various projects are being helped by the Centre in specific ways, and in general terms the Centre provides a link between Hospital and University personnel and facilities.

An Advisory Board, appointed by the Vice Chancellor, and consisting of eminent people from many diverse areas of expertise, is responsible for overall policy-making. A Management Committee, whose members are drawn from the disciplines of mechanical, electrical and chemical engineering, preclinical sciences, orthopaedics, cardiology and the medical electronics industry, guides the execution of policy objectives and the general activities of the Centre. Ad hoc Project Committees look after the progress of specific projects.

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## Division of Postgraduate Extension Studies

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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 tape 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 seventy 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.

The Division also offers a two year part-time Graduate Diploma in Human Communication, in which lectures on radio and television are combined with laboratory/tutorial work at the Kensington campus. The Division also offers a number of subjects on tape leading to the award of the Graduate Diploma in Engineering Developments and the Graduate Diploma in Current Science. For details see the section Graduate Study in the Faculty of Engineering Handbook.

The research projects in the Division are principally in the field of learning and perception, using the media of radio 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 Science Building, High Street, Kensington. Telephone 663 0351, Extn. 2691.

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## Field Stations

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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) and the Hay Field Station.

The biological field stations include an area at Cowan and the coastal field station at Smith's Lake.

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## Institute of Administration

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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.

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## Institute of Languages

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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.

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## Institute of Marine Sciences

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The Institute comprises members of departments, 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 and future courses that span the interests of several schools will be developed as Institute projects.

The Institute has a Management Committee which meets regularly under the chairmanship of Professor A. H. Willis, Pro-Vice-Chancellor. Dr Patricia I. Dixon of the School of Zoology is Technical Secretary of the Committee.

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## Institute of Rural Technology

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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 A. H. Willis, Pro-Vice-Chancellor. Mr J. W. A. Brain is the Technical Secretary of the Institute.

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## The Postgraduate Committee in Medical Education

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The Postgraduate Committee in Medical Education was established by Council in 1963 with the following membership:

1. The Chancellor, the Deputy Chancellor, the Vice-Chancellor, any members of the Council who are legally qualified members of the medical profession, and the Dean of the Faculty of Medicine as *ex officio* members.
2. The Heads of the Schools and Professors in the Faculty of Medicine.
3. The Honorary Director of the Postgraduate Committee in Medical Education.
4. One representative of each of the following hospitals to be appointed to the Committee by Council after a nomination is received from each hospital: Prince Henry, Prince of Wales, St. Vincent's, St. George, Royal Hospital for Women, Bankstown, Canterbury, Lewisham, Royal South Sydney, Sutherland.
5. Not more than eight representative members who shall be appointed by the Council.
6. Not more than three co-opted members who may be elected by the *ex officio* and the appointed members.

The Chairman of the Postgraduate Committee in Medical Education is the Vice-Chancellor, or a member of the Professorial Board nominated by the Vice-Chancellor.

The terms of reference of the Postgraduate Committee in Medical Education are to promote graduate education and research in medicine at the University, and at its associated hospitals. It organizes courses for medical practitioners on developments in medicine and provides graduate courses by radio and television through the University's Division of Postgraduate Extension Studies, co-operates with the relevant Government authorities in the field of graduate medicine, with the Boards and staffs of the associated hospitals, with graduate committees in medicine at other Australian Universities, and with the Australian Postgraduate Federation in Medicine. The Postgraduate Committee also provides an extensive Medical Cassette Service designed for health professionals.

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## Public Affairs Unit

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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 has two sections, Editorial Services and Information, and a Community Liaison Officer. The PAU is responsible for several publications including *UNIKEN* (a fortnightly campus journal for staff and students), *Quarterly* (a journal for alumni, staff and general public), the University's *Annual Report*, *Occasional Papers*, *Information for New Students*, *Guide to the Campus*, *You and the University*, and a visitor's leaflet.

Other services of the PAU are official news releases, general liaison with the media, a daily press cuttings

service, design and editorial 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.

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### Publications Unit

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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 section is also responsible for a number of major publications which appear regularly: the *Research and Publications Report*, *Approach to 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 section also arranges other publications as required by the University.

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### Radiation and General Safety Unit

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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 A. H. Willis, 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.

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### Tertiary Education Research Centre

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Established in 1961, the Centre aims to carry out research and development activities relevant to the University generally and to its teaching and learning programs in particular. The Centre's Director is Professor F. M. Katz.

The Centre offers consultative and evaluative services to help faculties, schools and individual staff members to develop teaching skills, educational objectives and evaluation procedures. Its more general research activities are not only involved in these areas but also in aspects of students' academic and social progress in the University.

TERC also offers specialized services. The Film Centre arranges the loan of selected films, and provides annotated lists of films on various subjects. The Visual Aids Section produces many visual aids including 8 mm and 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.

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### Unisearch Limited

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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 four 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.

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.

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## Associated University Organizations

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### Drama Foundation

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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 Mr H. F. Heath, Member of Council of the University of New South Wales. The Executive Member of the Board is Professor Robert Quentin, Head of the School of Drama, 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.

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### The Medical Foundation

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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.

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### Monomeeth Association

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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 func-

tions without obligation. Further information may be obtained from the Secretary, Mr C. Elliott, 6 Fauna Street, Earlwood 2206. Telephone 55 1346.

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### The National Institute of Dramatic Art

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The National Institute of Dramatic Art was established in 1958 under the auspices of the University of New South Wales, 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.

In 1963, NIDA established the Old Tote Theatre Company, which has grown in stature to become one of the country's leading drama companies. The Old Tote soon became an independent organization and moved to the Parade, a larger theatre on the University campus, and extended its range in 1973, when it became the resident theatre company at the Sydney Opera House.

The Jane Street season of Australian plays was established in 1966 and, in association with the NIDA Advanced Course, has become a regular feature of the theatrical life of Sydney.

NIDA is financially supported by the Australia Council and by the University of New South Wales. Valuable assistance of a practical kind is received from the Australian Elizabethan Theatre Trust, and the Australian Broadcasting Commission provides generous training facilities in radio and television.

Enquiries should be addressed to: The Director, The National Institute of Dramatic Art, PO Box 1, Kensington, NSW 2033. Telephone 663 3815.

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### The University of New South Wales Alumni Association

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Graduation confers on each graduate or diplomate alumnus 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 34,000 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, Third Floor, the Chancellery, or telephone 663 0351, Extn. 2998.

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### **The New South Wales University Press Limited**

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The New South Wales University Press publishes scholarly works, textbooks and a variety of general books. It was established in 1961 and is jointly owned by the University and the Students' Union.

In 1976 an Editorial Advisory Committee was formed with a view to encouraging the publication of quality scholarly typescripts. However, the number of such typescripts it accepts is related both to their quality and available finance.

The Chairman of directors is Mr H. Levy. Mr D. S. Howie is general manager of the company.

The editorial and sales offices of NSWU Press are in the Chancellery Building, 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.

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### **U Committee**

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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 in the twelve years of its operation the Committee has presented more than \$116,000 to the University. Projects it has promoted 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. One of its major activities is the Book Fair, the fifth of which was held in April 1976. The next will be held in 1978.

The Secretary, Mrs J. A. Mills, 3/13 Ferry Street, Hunters Hill 2110 (Telephone 896 1700), would be pleased to hear from women interested in joining.

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### **Wives' Group**

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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 \$3 and wives interested in joining may contact the Secretary, Mrs E. Hind, at 20 Maitland Avenue, Kingsford 2032. Telephone 663 2959.

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### **Financial Assistance to Students**

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#### **Tertiary Education Assistance Scheme**

Under this scheme, which is financed by the Australian 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.

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).

**Benefits (as at 30 June 1977)**

**Means-tested Living Allowance** The maximum rates of living allowances are \$1250 per annum for students living at home and \$1976 per annum for students living away from home. The maximum rate for independent students is \$2236 per annum. The maximum rates of living allowance will be paid where the adjusted family income is equal to or less than \$8200 per annum. The adjusted family income is assessed by subtracting from the gross income of both parents their business expenses and an amount of \$450 for each dependent child other than the student.

When the adjusted family income exceeds \$8200 pa the amount of living allowance will be reduced by \$2.50 for every \$10 of income.

A concession may be made where there are other children in the family undertaking tertiary education with scholarship assistance from schemes other than the Tertiary Education Assistance Scheme of less than \$150 pa.

**Students qualifying for living allowance will also receive the following allowances where appropriate:**

**Incidentals Allowance** The Incidentals Allowance of \$100 is designed to help the student meet the cost of those fees which have not been abolished—the Students' Union, University Union and Sports Association fees, and other expenses associated with their studies.

**Travel Allowance** Students whose homes are in the country may be reimbursed the cost of three return trips per year, during vacation time.

**Dependants' Allowance** This is made up of allowances of \$29 per week for a dependent spouse and \$7.50 per week for each child.

**How to Apply** 1977 Higher School Certificate candidates and tertiary students receiving an allowance were sent forms last October. Other students may obtain forms from the Admissions Section or the Student Employment and Scholarships Unit, or from the Regional Director, Department of Education, 323 Castlereagh Street, Sydney, NSW 2000 (Telephone 218 8800). The administrative closing date for 1978 applications was 31 October 1977.

**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 Australian 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.

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.

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 from a number of sources to help Aboriginal students. Apart from the Australian Government's Tertiary Education Assistance Scheme there is a Commonwealth Aboriginal Study Grant Scheme. Furthermore, the University may assist Aboriginal students with some essential living expenses in exceptional circumstances.

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.

*Financial Assistance continued overleaf*

## 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.

Donor	Value	Year/s of Tenure	Conditions
<b>General</b>			
Bursary Endowment Board*	\$300 pa if living at home; \$400 pa if living away from home	Minimum period of approved degree/ combined degree course	Merit in HSC and total family income not exceeding \$4000
Sam Cracknell Memorial	Up to \$1500 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
Air Force Association Memorial Scholarship	\$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 a full-time degree course
Girls Realm Guild Scholarship	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	\$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
<b>Ceramic Engineering</b>			
Australian Ceramic Society	\$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	\$600 pa		
The Brick Manufacturers' Association of New South Wales	\$900 pa		
The State Brickworks	\$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	\$600 pa		
<b>Chemical Engineering</b>			
Shell Refining (Australia) Pty Ltd	\$300 pa plus \$100 book and equipment allowance	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)	\$500 pa		Permanent residence in Australia and eligibility for admission to the full-time degree course in Chemical Engineering
Australian Waste Disposal Conference Committee	\$300 pa		Permanent residence in Australia and eligibility for admission to any year of the full-time degree course in Fuel Technology
Western Mining Corporation†	\$1000 pa		Eligibility for admission to the second or later years of the full-time degree course in Chemical Engineering
<b>Food Technology</b>			
Alfa Laval Pty Ltd	\$4000 over 4 years	1 year renewable for the duration of the course subject to satisfactory progress	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
Arnotts Biscuits Pty Ltd	\$1000 pa		
Bush-Boake-Allen Pty Ltd	\$4000 over 4 years		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	\$1000 pa		

†Applications close with the Registrar, 31 December.

## Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>Food Technology (continued)</b>			
Food Technology Association	\$1000 pa	1 year renewable for the duration of the course, subject to satisfactory progress	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	\$4000 over 4 years		
Gillespie/White Wings	\$1000 pa		
Marrickville Holdings	\$1000 pa		

### Fuel Technology

Australian Waste Disposal Conference Committee	\$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
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### 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
Western Mining Corporation*	\$1000 pa		Eligibility for admission to the first or second year of the full-time degree course in Metallurgy
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<b>Mining Engineering</b>			
Stan Sawyer Memorial Scholarship to Coal Mining Students	\$200 pa		Eligibility for admission to the third or fourth year of the full-time degree course in Mining Engineering
Western Mining Corporation*	\$1000 pa		Eligibility for admission to the second or later years of the full-time degree course in Mining Engineering

### Textile Technology

The Australian Wool Corporation	\$2126 or \$1400 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	\$4000 over 4 years		
Bradmill Industries Ltd	\$1000 pa		

\*Applications close with the Registrar, 31 December.

**Undergraduate Scholarships (continued)**

Donor	Value	Year/s of Tenure	Conditions
<b>Wool and Pastoral Sciences</b>			
The Australian Estates Co Ltd	\$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	\$1000 pa		
Commercial Banking Company of Sydney Limited	\$1000 pa		
Dalgely Australia Limited	\$4000 over 4 years		
Merck Sharp & Dohme (Aust) Pty Ltd	\$1000 pa		
National Council of Wool Selling Brokers of Australia	\$1000 pa		

**Biological Sciences****Biological Technology**

Mauri Brothers & Thomson Ltd	\$1000 pa	1 year	Eligibility for admission to the honours year of the full-time degree course in Biological Technology
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**Commerce**

CSR Ltd	\$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.
Dalgely Australia Limited	\$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
Manufacturers Mutual Insurance Limited	\$200 pa		Eligibility for admission to the full-time degree course in Accounting, Finance and Systems, Economics, Econometrics or Industrial Relations

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**Undergraduate Scholarships (continued)**


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Donor	Value	Year/s of Tenure	Conditions
<b>Engineering</b>			
<b>Electrical Engineering</b>			
The Tyree Electrical Company Pty Ltd	\$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
<b>Mechanical Engineering</b>			
The Fox Manufacturing Company	\$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	\$300 pa	1 year	
<b>Surveying</b>			
The Institution of Surveyors, NSW Division	\$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
<b>Medicine</b>			
The Claude H. Vautin Memorial Scholarship	\$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
<b>Science</b>			
<b>Mathematics</b>			
Olivetti Australia Pty Ltd	\$600 pa	2 years subject to satisfactory progress	Eligibility for admission to third year of the full-time course leading to the degree of Bachelor of Arts or Bachelor of Science majoring in Mathematics or Statistics

## Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>Optometry</b>			
The Australian Optometrical Association (NSW Division)	\$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
Gibb & Beeman (Spectacle Makers) Pty Ltd	\$500 pa		
Optometric Associates Co-operative Limited	\$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

Applications for scholarships should be made in triplicate on the required form, and sent to the Registrar by 31 October. Eligibility depends on such factors as the applicant holding an honours degree or equivalent qualification, or having relevant experience. Students completing the final year of a course may apply. Those under bond should disclose this fact. Awards are tenable for one year, and may be renewed for a maximum of two years for a Masters and 3 to 4 years for a PhD degree. Renewal each year is subject to satisfactory progress. Any exceptions from these requirements are indicated.

Application forms and further information are available from the Student Employment and Scholarships Unit, which is located on the ground floor of the Chancellery. This Unit produces the booklet *Graduate Awards*, and also 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.

## Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>General</b>			
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)
Commonwealth Government (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 Government (Course Awards)		1-2 years; minimum duration of course	Applicants must be graduates or scholars who will graduate in current academic year, and who have not previously held an Australian Government Postgraduate Award. Applications to Registrar by 30 September.
Australian American Educational Foundation Travel Grant*			Applicants must be graduates, senior scholars or post-doctoral Fellows. Graduate applications close 31 December. Other applications by mid-November.
Australian Federation of University Women	A total of \$500/\$3200	Up to 1 year	Applicants must be female graduates from any accredited Australian or overseas university
The British Council Commonwealth University Interchange Scheme	Cost of travel to UK or other Commonwealth country university		Applicants must be: <b>1.</b> 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. <b>2.</b> Graduate research workers holding research grants. Applications close with Registrar by 28 February for visits to commence during ensuing 1 April to 31 March.
The Caltex Woman Graduate of the Year Scholarship	\$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.
Canadian Pacific Airlines Award for Travel to Canada for University Graduates	One free economy class return flight a year to Canada		Graduates of an Australian University who are Australian citizens or permanent residents. Candidates must have been accepted by a Canadian University, be able to support themselves on a full-time basis, and intend to return to Australia. Applications close with Registrar by 31 May.

\*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
<b>General (continued)</b>			
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	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.
General Motors Holden's Research Fellowship	Living allowance and other allowances	Maximum of 3 years	Graduates qualified to undertake research program for Masters or PhD degree
Gowrie Graduate Research Travelling Scholarship	Maximum \$2000 pa	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, book and equipment and other allowances	Between 12 to 21 months	Candidates must be either: <b>1.</b> Members of the Commonwealth or a State Public Service or semi-government Authority. <b>2.</b> Staff or graduate students at an Australian university. <b>3.</b> Individuals recommended for nomination by the Local Correspondents. The candidate will usually have an honours degree and be between 21-30 years of age. Applications close 23 July.
IBM Graduate Scholarship Plan	A maximum of \$1200 pa	A maximum of 2 years for a degree of Master and 4 years for a PhD	Graduates must already hold a scholarship, such as an Australian Government Postgraduate Research Award and be studying computer science or its applications. Applications close with Registrar by 30 November.
Frank Knox Memorial Fellowships at Harvard University	Stipend of \$3400 plus tuition fees pa	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, Chemistry Laboratory, Barry Building, University of Melbourne, Parkville, Victoria 3052.

## Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>General (continued)</b>			
The Rhodes Scholarship**	£3000 stg pa	2 years, may be extended for a third year	Unmarried male and female British subjects, 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†	\$12000 pa	Up to 3 years	The field of study is unrestricted. Applications close early September each year

## Applied Science

The Clean Air Society of Australia and New Zealand Scholarship in Environmental Pollution Control	\$600. May be held in conjunction with another award.	1 year full-time. At the Society's discretion it may be held for 2 years' part-time study.	Candidates must proceed to a Master of Applied Science degree in Environmental Pollution Control in the School of Chemical Engineering. They must hold a degree in an appropriate field of science, engineering or their equivalent. Applications close with the Registrar by 31 December.
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		Minimum 2 years. Maximum 3 to 4 years.	Applicants must be graduates in applied science, agricultural science or veterinary science
Australian Meat Research Committee Award*			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) 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.

\*\*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.



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**Graduate Scholarships (continued)**


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Donor	Value	Year/s of Tenure	Conditions
<b>Architecture (continued)</b>			
Wormald International Scholarship	\$4500 pa	1 year	Applicants must be honours Architecture graduates of the University of New South Wales

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**Arts, Commerce, Law**

Shell Scholarship in Arts	£2750 stg pa plus travelling expenses	2 years	Applicants must be unmarried, male, British subjects, 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.
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**Australian Graduate School of Management**

Commonwealth Government (Course Awards)	Living allowance of \$4200 pa. Other allowances may also be payable.	2 years; normal duration of MBA or MPA course	A number of the course awards for Masters Degrees are reserved for MBA or MPA candidates at the AGSM. Applicants must be graduates or scholars who will graduate in current academic year and who have not previously held an Australian Government Postgraduate Award. Applications should reach the Registrar by 30 September but late applications may be considered if lodged before 30 November.
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The Joseph S. Barling Fellowship	} See below under Engineering
Harold G. Conde Memorial Fellowship	

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**Biological Sciences**

Queen Elizabeth II Postdoctoral Fellowships in the Physical and Biological Sciences*	Stipend of \$15082 pa increased to \$16248 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 and colonies ordinarily resident in 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 Education, PO Box 826, Canberra, ACT 2600 or the Official Secretary, Australia House, Strand, London, W.C.2.

## Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>Engineering</b>			
Harold G. Conde Memorial Fellowship	\$4500	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.
Mobil Fellowship in Highway Engineering	\$4000 pa plus allowances	1 year	The successful candidate will undertake the degree of Master of Engineering Science in Highway Engineering. Further information: Professor D. Orchard, School of Highway Engineering, UNSW or Public Relations Officer, Mobil Oil Pty Ltd, ADC Building, 189 Kent Street, Sydney 2000.
University Fellowships in Highway Engineering		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 \$4420 pa. Dependent spouse allowance \$1508 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†	\$11000-\$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 <b>Science</b>		

†Applications to The Registrar, or AINSE Private Mail Bag, Sutherland 2232.

## Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>Medicine</b>			
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.	\$9927-\$11348 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

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.
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## Science

International Optical Corporation Contact Lens Research Scholarship	\$3000 pa	} 1 year renewable	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.
Contavue Laboratories Contact Lens Graduate Research Scholarship	\$1000 pa		
Hydron Laboratories Contact Lens Research Scholarship			

\*\*Applications to the Registrar.

\*Further details may be obtained from the Commissions in Sydney and Melbourne, or from the School of Health Administration.

## Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>Science (continued)</b>			
Science Research Scholarship of the Royal Commission for the Exhibition of 1851	£1800 stg pa	2 years. Renewal for further year possible.	To enable graduates under 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 or South Africa, who have done at least 3 years of a university Science Course.
The Rutherford Scholarship	Travel, fees, etc. A stipend which, if held in the UK, is worth £1800 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.
Shell Scholarship in Science and Engineering	£2750 stg pa plus travelling expenses	2 years	Applicants must be unmarried, male, British subjects, 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.

## 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
<b>General</b>		
Sydney Technical College Union Award	50.00	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

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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>Faculty of Applied Science</b>		
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 (Textile Engineering option only)

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**Faculty of Commerce**

The Sir Kevin Ellis Prize	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 course and leadership in student activities

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**Faculty of Engineering**

The Dean's Faculty Hour	25.00	Best essay by a graduating student on a topic discussed in Faculty Hour
	25.00	Best essay by a nongraduating student on a topic discussed in Faculty Hour
Institution of Engineers, Australia	See above under <b>Faculty of Applied Science</b>	
The John Fraser Memorial Award	Advised annually	Excellence in the first year or equivalent part-time years of a bachelors degree course offered by the Faculty of Engineering

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**Faculty of Law**

The Sir Kevin Ellis Prize	See above under <b>Faculty of Commerce</b>	
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**Faculty of Medicine**

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

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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Accountancy</b>		
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	20.00 Books	14.511 Accounting and Financial Management IB
Taxation Institute of Australia	50.00	14.783 Taxation Law
John Menzies McKellar White Memorial	100.00	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	20.00	14.563 Accounting and Financial Management IIIA
Arthur Young & Co	50.00	14.613 Business Finance II
Dattec 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

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**School of Anatomy**

The Prize in Practical Anatomy	30.00	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 Prize	30.00	Outstanding merit in Anatomy in final year of the Science Course

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**School of Architecture**

Board of Architects of New South Wales	100.00	An outstanding graduand in the School of Archi- tecture
Byrne & Davidson (Mfg) Pty Ltd	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 or 11.8521 Historical Research
James Hardie & Co Pty Ltd	100.00	General proficiency throughout the BArch degree course

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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Architecture (continued)</b>		
Frank W. Peplow	24.00	Church Architecture
Lindsay Robertson Memorial	100.00	11.512 Landscape Design II
Royal Australian Institute of Architects	50.00	Architectural Design and allied subjects in last two years of BArch degree course

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**School of Botany**

E. O. Tout Memorial	40.00	Best aggregate any five subjects offered by School of Botany
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**School of Building**

Byrne & Davidson Roll-a-door	100.00	Bachelor of Building, Year III
James Hardie & Co Pty Ltd	50.00	Bachelor of Building, Year I
Master Builders' Association of New South Wales	200.00	Subjects selected by Head of School

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**School of Chemical Engineering**

Abbott Laboratories Pty Ltd	50.00	Bachelor of Engineering in Chemical Engineering — Year IV
Borden Chemical Co (Aust) Pty Ltd	50.00	3.123 Chemical Engineering IIC, Unit 2 Process Report and Unit 6 Design Report
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
Simon-Carves Australia	21.00	3.122 Chemical Engineering IIB
The North Shore Gas Co Ltd	15.00	Subject selected by Head of School
The Shell Co of Aust Ltd	100.00	Best performance in Year 3 Chemical Engineering

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**School of Chemical Technology**

Australian Paper Manufacturers Ltd	21.00	Subject selected by Head of School
Chemical Technology Society	20.00	Bachelor of Science in Industrial Chemistry
	20.00	Bachelor of Science in Industrial Chemistry, Years I and II or Stages 3 to 4
CSR Limited	50.00	Subject within the discipline of Industrial Chemistry, selected by Head of School
Stauffer Chemical Co (Aust) Pty Ltd	21.00	Subject selected by Head of School

## Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
<b>School of Chemistry</b>		
Advanced Analytical Chemistry	100.00	2.013D Advanced Analytical Chemistry
Abbott Laboratories Pty Ltd	50.00	2.003B Organic Chemistry II
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
Merck, Sharp & Dohme (Aust) Pty Ltd	52.50	Chemistry — Level 2 subjects in the Science Course
	52.50	Chemistry — Level 3 subjects in the Science Course
The Nestlé Co (Aust) Ltd	50.00	} Subject selected by Head of School
Parke Pope	20.00	
Tooth & Co Ltd	20.00	
George Wright	20.00	Subject selected by Head of School

## School of Civil Engineering

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	20.00	General proficiency — Structures in the Bachelor of Engineering Course in Civil Engineering
	20.00 and books to the value of 30.00	General proficiency — Structures in the Bachelor of Science (Engineering) Course in Civil Engineering
B.M.I. Ltd Systems Engineering	50.00	8.301 Systems Engineering
Chamber of Manufactures of New South Wales	15.00	Subject selected by Head of School
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 Corp of Australia 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
Water Board Gold Medal	Medal	Public Health Engineering
Hornibrook	100.00	Proficiency in Engineering Construction and Management



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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Community Medicine</b>		
Health Commission of New South Wales	50.00	79.112 Community Medicine
<b>School of Drama</b>		
Fourth Centenary Shakespeare	100.00	Essay on Shakespearean topic
<b>School of Economics</b>		
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 Course in Econometrics
<b>School of Electrical Engineering</b>		
Austral Bronze Crane Copper Ltd	25.00	Bachelor of Engineering Course in Electrical Engineering, Year III
	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	Third year full-time or equivalent part-time students for overall performance including proficiency in Electric Power Distribution
J. Douglas Maclurcan	30.00	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
<b>School of English</b>		
New South Wales Association of University Women Graduates	20.00	English essays — women students only
<b>School of Food Technology</b>		
Wilfred B. S. Bishop	20.00	General proficiency throughout Bachelor of Science course in Food Technology
<b>Department of Fuel Technology</b>		
Institute of Fuel	50.00	For a fuel subject or allied course project
The Shell Co of Aust Ltd	100.00	Subject selected by Head of School

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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Health Administration</b>		
Rupert Fanning Memorial	25.00	Bachelor of Health Administration
Grace and Anthony Suleau	25.00	16.601 Behavioural Science I
	25.00	14.023 Accounting for Health Administration
<b>School of History</b>		
The Ritchie Medal for Australian History	Medal	Excellence in Australian History — within the Bachelor of Arts Course
The Winifred Mitchell Medal	Medal	Subject selected by Head of School
<b>School of Law</b>		
Freehill, Hollingdale & 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 LLB or BJuris degree
<b>School of Marketing</b>		
Lintas International Advertising	250.00	Bachelor of Commerce Course in Marketing — general proficiency throughout course
Market Research Society of Australia	100.00	28.053 Information Management
Philips Industries Holdings Ltd	75.00	28.012 Marketing Systems
<b>School of Mathematics</b>		
George Szekeres Award	200.00	Excellence of a student entering final year of honours degree course in Pure Mathematics
ICI Australia Ltd	50.00	Theory of Statistics IV
School of Mathematics	30.00	Excellence in 10.011 Higher Mathematics I
	30.00	Excellence in the 3 subjects: 10.121A Higher Pure Mathematics II — Algebra, 10.121B Higher Pure Mathematics II — Real and Complex Analysis and 10.221A Higher Applied Mathematics II — Mathematical Methods
	30.00	Excellence in 5 or more level 2 Mathematics subjects
Head of School's	50.00	Excellence in 5 or more level 2 Mathematics subjects
The Pure Mathematics	40.00	Excellence in level 3 Pure Mathematics subjects
The Applied Mathematics	40.00	Excellence in level 3 Applied Mathematics subjects

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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Mathematics (continued)</b>		
The Theoretical Mechanics'	40.00	Excellence in level 3 Theoretical Mechanics subjects
Statistical Society of Australia (New South Wales Branch)	50.00	General proficiency — Theory of Statistics subjects
The Broken Hill Proprietary Co Ltd	50.00	Higher Theory of Statistics II
W. D. & H. O. Wills (Aust) Ltd	50.00	Higher Theory of Statistics III

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**School of Mechanical and Industrial Engineering**

Atlas Copco	75.00	General proficiency in Bachelor of Engineering course in Mechanical Engineering
Austral Crane Ltd	50.00	Full-time Year III Mechanical Engineering
Babcock & Wilcox Aust Ltd	21.00	} 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	20.00	
Harbin Polytechnical Alumni Association	50.00	5.113 Mechanical Engineering Design III
Jeremy Hirschhorn	20.00	Theory of Machines
Royal Institution of Naval Architects	30.00	Bachelor of Engineering or Bachelor of Science (Engineering) Course in Naval Architecture, final year or stage
Staedtler (Pacific) Pty Ltd	50.00 (order)	General proficiency in Bachelor of Engineering Course in Mechanical Engineering, Year II

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**Department of Industrial Engineering**

Austral Crane Ltd	80.00	Bachelor of Engineering Course in Industrial Engineering, Year III
Chamber of Manufactures of New South Wales	15.00	Subject selected by Head of School
Industrial Engineering	25.00	Performance in Year 2 of Bachelor of Engineering degree course in Industrial Engineering
R. E. Jefferies Memorial	100.00	Performance in final year/stage of bachelor degree course in Industrial Engineering
TRW Australia Ltd	20.00	Bachelor of Science (Engineering) Course in Industrial Engineering, Stage 6

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**School of Medicine**

W. G. Telleson Memorial	31.50	80.013 Clinical Studies III
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## Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
<b>School of Metallurgy</b>		
Alcan Australia Ltd	100.00	} Subject selected by Head of School
Austral Crane Ltd	100.00	
Australian Institute of Metals	30.00	
Australian Welding Institute	60.00 (book order)	
Chamber of Manufactures of New South Wales	15.00	
The Broken Hill Proprietary Co Ltd	50.00	
The Eagle & Globe Steel Co Ltd	50.00	
The Electrolytic Refining and Smelting Co of Australia Ltd	20.00	
Zinc Corp Ltd	40.00	
<b>School of Mining Engineering</b>		
Joint Coal Board	100.00	Bachelor of Engineering Course in Mining Engineering, Year II
	100.00	Bachelor of Engineering Course in Mining Engineering, Year III
	200.00	Bachelor of Engineering Course in Mining Engineering — general proficiency throughout course
Southern Cross Exploration NL Award	100.00	} Bachelor of Engineering Course in Mining Engineering — General proficiency throughout the course
Western Mining Corporation Ltd	75.00	
<b>School of Obstetrics and Gynaecology</b>		
F. J. Browne Memorial	50.00	Final written and practical examinations in Obstetrics and Gynaecology
Gordon Lowe Memorial	50.00	Clinical and oral examinations in Obstetrics and Gynaecology
<b>School of Optometry</b>		
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 Laboratories Pty Ltd	Trial fitting set of contact lenses	Subject selected by Head of School

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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Optometry (continued)</b>		
Filmer Sceats	30.00	31.812 Optometry II
Hoya Australia Pty Ltd	250.00	Highest aggregate academic record in the Optometry Course
International Optical Corporation Ltd	21.00	} Subject selected by Head of School
	21.00	
L. G. Darcey Memorial	30.00	31.811 Optometry I
Theo Kannis	250.00	31.841 Clinical Optometry
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	30.00	
The Optometric Vision Research Foundation	100.00	Research project
Vision Care	50.00	Orthoptics section of 31.841 Clinical Optometry

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**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**

Paediatrics Staff Prize	100.00	Paediatrics
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**School of Physics**

Head of School's, in Physics	30.00	Area selected by Head of School
Physics Staff	80.00	Physics III
Physics Thesis	50.00	Physics IV
School Prize for Physics II	50.00	Physics II

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**School of Political Science**

Australian Institute of Political Science	40.00 and one year's subscription to the <i>Australian Quarterly</i>	Political Science Stage I
Staff of the School of Political Science	50.00	Political Science Stage II

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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Political Science (continued)</b>		
The Griffin Prize in Political Science	75.00	Best dissertation on a political topic or topics in the Faculty of Arts
The Shell Co of Aust Ltd	100.00	Distinguished performance in the Political Science Course
The Sydney Morning Herald	100.00	Political Science Stage III or IV

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**School of Psychiatry**

John Kerridge Memorial	50.00	Psychiatry
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**School of Psychology**

Psychology Staff Prize	10.00	Best Psychology Year II
Australian Psychological Society	50.00 and free student subscription of the Australian Psychological Society for two years	A Year IV Psychology subject selected by Head of School

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**School of Surgery**

Australian College of Ophthalmologists	50.00	Essay on Ophthalmological subject
The Graduation Prize in Surgery	100.00	Surgery — Final Year

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**School of Surveying**

Board of Surveyors Medal	Medal	Bachelor of Surveying Course, Final Year
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**School of Textile Technology**

J. B. Speakman	20.00	Undergraduate thesis
R. J. Webster	100.00	General proficiency throughout the Bachelor of Science Course in Textile Technology

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**School of Town Planning**

The NSW Planning and Environment Commission	150.00	Bachelor of Town Planning, Year V
Royal Aust Planning Institute, NSW Division	100.00	Bachelor of Town Planning, Year III

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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Wool and Pastoral Sciences</b>		
Bayer Australia Ltd-Asunto! Sheep Dips	50.00	General proficiency — Wool and Pastoral Sciences Course, Years II and III
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 Course in Wool and Pastoral Sciences, Year III
Samuel Clive Graham	50.00	Bachelor of Science Course in Wool and Pastoral Sciences, Year IV — Thesis
C. R. Lucock	A book or a voucher to the value of 50.00 payable to University Co-op Bookshop Limited	Meat Science

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**Graduate University Prizes**


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The following table summarizes the graduate prizes awarded by the University.

**General**

The Thistlethwayte Memorial Prize	100.00	Best essay in the field of water — waste water treatment or water quality management, by MEngSc, MAppSc, ME, MSc student
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**Faculty of Medicine**

Foundation for Research and Treatment of Alcoholism and Drug Dependence of New South Wales	100.00	Essay on a clinical or scientific aspect of alcoholism or a drug of dependence
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**Graduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>School of Accountancy</b>		
Arthur Andersen & Co	50.00	14.960G Corporate Organization and Strategy
Slazengers (Aust) Pty Ltd	25.00	14.955G Financial Management
<b>Australian Graduate School of Management</b>		
Cecil Hall	70.00	The highest degree of general proficiency in a masters degree course offered by the Australian Graduate School of Management
<b>School of Building</b>		
Alex Rigby	105.00	Master of Science (Building) — Distinguished graduate
<b>School of Chemical Engineering</b>		
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
<b>School of Chemistry</b>		
Smith, Kline and French	50.00	Best performance in the Graduate Diploma in Food and Drug Analysis degree course
<b>School of Education</b>		
New South Wales Institute for Educational Research	25.00	General proficiency in educational research
New South Wales Department of Education	32.00	Outstanding ability in both academic studies and practice teaching
<b>School of Optometry</b>		
Hydron Manufacturing Pty Ltd	A trial fitting set of contact lens	31.705G Advanced Contact Lens Theory and Practice
Theo Kannis	250.00	31.701G Advanced Clinical Optometry
<b>School of Transport and Highways</b>		
Veteran Motorists of Australia	20.00	Traffic Planning and Control
Wabco Aust Pty Ltd	300.00	Most distinguished graduate in the Master of Engineering Science In Highway Engineering



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## Rules and Procedures

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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.

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## General Conduct

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The University has not considered it necessary to formulate a detailed code of rules relating to the general conduct of students. However, enrolment as a student of the University 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'.

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## Admissions Office

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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. The Admissions Office is open from 9 am to 5 pm Monday to Friday (excluding the lunch hour 1 pm to 2 pm). 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 Metropolitan Universities Admissions Centre.

An Adviser for Prospective Students, Mrs Fay Lindsay is located in the Chancellery, and is available for personal interview with students who may 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 Metropolitan Universities Admissions Centre, First Floor, 29-37 Bellevue Street, Surry Hills (off Foveaux Street near Central Railway), (PO Box 7049, GPO Sydney 2001). On the application form provision is made for applicants to indicate preferences for courses available in any one of the three Universities. 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 Enrolment

The University normally grants deferments of one year to students proceeding directly from school to university providing they are not intending to enrol at another tertiary institution.

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## Admission Requirements

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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 1978 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 make Student Counsellors available to discuss 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.

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## Matriculation and Admission Requirements for Entry in 1978 and 1979

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### Bachelor Degree Courses

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#### Requirements for Entry in 1978 and 1979 in terms of the NSW Higher School Certificate Examination (amended June 1977).

##### 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 1977 and 1978:

**Matriculation** to the University of New South Wales shall be the achievement of a minimum aggregate of marks equivalent to the aggregate attained or bettered by 58 percent of the school candidates at the Higher School Certificate examination and made up of marks in the best ten units from a minimum of four approved subjects\*, including at least two units of English.

\*Provided that not more than two units from 2 Unit A and 1 unit courses may be counted, *except that* where English 2 Unit A is included one or two additional units from 2 Unit A and 1 unit courses may be included.

Subjects approved by the Professorial Board:

Agriculture	Indonesian
Ancient History	Industrial Arts
Art	Italian
Chinese	Japanese
Classical Greek	Latin
Dutch	Mathematics
Economics	Modern Greek
English	Modern History
Farm Mechanics†	Music
French	Russian
Food and Textile Science†	Science
General Studies	Sheep Husbandry and Wool
Geography	Technology†
German	Spanish
Hebrew	Textiles and Design†
Home Science†	

†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 academic performance. To gain admission to a particular course a student must:

1. have matriculated;
2. have been selected on an aggregate of marks. The units to be used in making up the selection aggregate will be the candidate's best ten units in approved subjects\*, not necessarily including English.

\*Provided that not more than two units from 2 Unit A and 1 unit courses may be counted, *except that* where English 2 Unit A is included one or two additional units from 2 Unit A and 1 unit courses may be included.

### 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.

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## Prerequisite Requirements for University Subjects

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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 grade of pass (1, 2, 3, 4 or 5) which is required for enrolment. You will 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
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 25.011 or 17.031
Chemistry—Pure and Applied	FT or PT	1.001, 2.121, 10.001 or 10.021B, 5.010 or 25.011 or 17.031
Economics	FT or PT	15.002, 15.022, 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
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, 5.010, 10.001
Engineering—Electrical	FT or PT	1.961, 2.121 or 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	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, 17.031
Geography—Applied		
Applied Economic Geography Option	FT	10.001 or 10.021B, 15.002, 15.022 or 15.042, 27.011
Biogeography and Bioclimatology Option	FT	1.001, 2.121, 10.001 or 10.021B, 17.031, 27.001, 27.011
Geomorphology and Pedology Option	FT	1.001, 2.121, 10.001 or 10.021B, 25.011, 27.001, 27.011

Course	Full-Time or Part-Time	Subject Identifying Number
Geology—Applied	FT	1.001, 2.121, 10.001, 25.011
Health Administration	FT or PT(Ext.)	Not applicable
Industrial Arts (Education)	FT	1.001, 2.121, 5.010, 10.001
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, 15.022, 15.042, 15.411 or 10.001
Law/Commerce (Industrial Relations)	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	Not applicable
Metallurgy	FT or PT	1.001, 2.121, 10.001, 5.010 or 25.011
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, 25.011
Social Work	FT	Not applicable
Surveying	FT or PT	1.971, 5.010, 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, 17.031, 1.001 or 27.001
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	Grade Required
1.011 Higher Physics I	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics and 2 unit Science (Physics or Chem.) or 4 unit Science (multistrand)	1 or 2
1.001 Physics I‡		1, 2 or 3
1.951 Physics I (Mech. Eng.)		1, 2, 3, 4 or 5††
1.961 Physics I (Elec. Eng.)		1, 2 or 3
1.971 Physics I (Surveying)		1, 2 or 3
1.981 Physics I (Civil Eng.)		
2.121 Chemistry IA‡	2 unit Science (any strands) or 4 unit Science (multistrand)	1, 2 or 3
5.010 Engineering IA§	Either 2 unit Science (Physics) or 4 unit Science (multistrand) or 2 unit Industrial Arts or 3 unit Industrial Arts	1, 2 or 3 1, 2, 3 or 4 1, 2 or 3 1, 2, 3 or 4
10.011 Higher Mathematics I	3 unit Mathematics or 4 unit Mathematics	1 or 2 1, 2, 3, 4 or 5††
10.001 Mathematics I‡	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	1 or 2 1, 2, 3 or 4†† 1, 2, 3, 4 or 5††
10.021B General Mathematics IB‡	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	1, 2 or 3†† 1, 2, 3, 4 or 5†† 1, 2, 3, 4 or 5††
14.522 Acctg. and Fin. Man. IIA	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	1, 2 or 3 1, 2, 3 or 4 1, 2, 3 or 4
14.532 Acctg. and Fin. Man. IIA (Hons)		
14.542 Acctg. and Fin. Man. IIB		
14.552 Acctg. and Fin. Man. IIB (Hons)		
15.002 Economics IIA	2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	1, 2 or 3 1, 2, 3 or 4 1, 2, 3 or 4
15.012 Economics IIA (Hons)		
15.022 Economics IIB		
15.032 Economics IIB (Hons)		
15.042 Economics IIC		
15.052 Economics IIC (Hons)		
15.273 Economics IIIE		
15.411 Quant. Methods A		

University Subject	Prerequisite	Grade Required
17.031 Cell Biology	2 unit Science (any strand) or 4 unit Science (multistrand)	1, 2 or 3 1, 2 or 3
25.011 Geology I‡	2 unit Science (any strand) or	1, 2 or 3
25.151 Geoscience IA‡	4 unit Science (multistrand)	1, 2 or 3
27.001 Applied Physical Geography I	2 unit Geography or 3 unit Geography or 2 unit Science (any strand) or 4 unit Science (multistrand) or 2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	1 or 2 1, 2 or 3  1, 2 or 3 1, 2 or 3  1 or 2 1, 2 or 3 1, 2, 3 or 4
27.011 Applied Economic Geography I	2 unit Geography or 3 unit Geography or 2 unit Economics or 3 unit Economics or 2 unit Mathematics or 3 unit Mathematics or 4 unit Mathematics	1 or 2 1, 2 or 3  1 or 2 1, 2 or 3 1, 2, 3 or 4
50.511 English IA	2 unit English or	1, 2 or 3
50.521 English IB	3 unit English	1, 2 or 3
56.511 Contemporary French Lang., Lit. and Civilization‡	2 unit French or 3 unit French	1, 2 or 3 1, 2, 3 or 4
56.521 French Language‡		
59.511 Russian IB‡	2 unit Russian or 3 unit Russian	1, 2 or 3 1, 2 or 3
64.511 German IB‡	2 unit A German or	1 or 2
64.521 German IC‡	2 unit German or 3 unit German	1, 2 or 3 1, 2, 3 or 4
65.511 Spanish & Latin American Studies IB‡	2 unit Spanish or 3 unit Spanish	1, 2 or 3 1, 2, 3 or 4
65.521 Spanish & Latin American Studies IC‡	2 unit A Spanish	1 or 2

‡An alternative subject is available that will enable students to make up for the lack of the prerequisite. It may count towards the degree, but may prevent completion in the minimum time.

††At a standard acceptable to the Professorial Board.

§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.

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.

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## **Undergraduate and Graduate Enrolment Procedures and Fees**

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### **1. Introduction**

All students, except those enrolling in graduate research degrees (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 their course requires this.

All students, except those enrolling in graduate research degrees 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 below). Payment may be made through the mail, in which case it is important that the student registration number be given accurately.

### **2. New Undergraduate Enrolments**

Persons who are applying for entry in 1978 must lodge an application for selection with the Metropolitan Universities Admissions Centre, PO Box 7049, GPO, Sydney 2001, by 1 October 1977.

Those who are selected will be required to complete enrolment at a specified appointment time before the start of Session 1. Compulsory fees must be paid on the day of the appointment. In special circumstances, however, and provided class places are still available, students may be allowed to complete enrolment after the prescribed week, subject to the payment of a penalty (see below).

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 Metropolitan Universities Admissions Centre, PO Box 7049, GPO, Sydney 2001, by 1 October 1977.

### **4. Restrictions Upon Re-enrolling**

Students enrolled for the first time in any undergraduate course in the University who failed more than half their program in 1977; 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 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 degrees 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 16. below).

### **6. Re-enrolling Research Students**

Students re-enrolling in research degrees 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 16. below).

## 7. Submission of Graduate Thesis or Project Report at Commencement of Session 1

A candidate who has completed all the work for a graduate degree except for the submission of a thesis or project report is required to re-enrol and pay fees as outlined above *unless* the thesis or project report is submitted by the end of the second week of Session 1 in which case the candidate is not required to re-enrol. Those required to re-enrol may claim a refund of fees if able to withdraw within the limit set out in **18. (3) (b)** below.

## 8. Miscellaneous Subject Enrolments

Students may be permitted to enrol for miscellaneous subjects (ie as students not proceeding to a degree or diploma) provided the Head of the School offering the subject considers it will be of benefit and there is accommodation available. Only in exceptional cases will subjects taken in this way count towards a degree or diploma. Students who are under exclusion may not be enrolled in miscellaneous subjects which may be counted towards courses from which they have been 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 (17 March 1978) 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 (31 March 1978) 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 (4 August 1978) except with the express approval of the Deputy Registrar (Student Services) and the Heads of Schools concerned.

## 10. University Union card

All students enrolled for courses leading to degrees and/or diplomas, except those exempt from fees under provisions of section **17.** below, are issued with a 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.

A student who loses a Union card must notify the University Union as soon as possible.

New students will be issued with University Union cards on enrolment.

## 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 student activities such as the University Union, the Students' Union, the Sports Association, and the Physical Education and Recreation Centre. Penalties 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.

## 13. Extension of time

Any student who is unable to pay fees by the date due 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 Sessions 1 and 2 this disbarment applies if any portion of fees is outstanding after the end of the eighth week of Session 1 (28 April 1978). 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 (1 September 1978).

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 **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**, \$25.00 entrance fee, payable on first enrolment.

### Student Activities Fees

**University Union**, \$45.00 annual subscription.

**Sports Association**, \$6.00 annual subscription.

### Students' Union:

**Students enrolling in full-time courses**, \$14.00 annual subscription.  
**Students enrolling in part-time courses and miscellaneous subjects**, \$11.00 annual subscription.

**Miscellaneous Fund**, \$25.00 annual fee.

(The fee is used to finance expenses generally of a capital nature relating to student activities. Funds are allocated to the various student bodies for projects recommended by the Student Affairs Committee and approved by the University Council.)

### Other Fees

Depending on the subject being taken, students may also be required to pay:

**Pathology Instrument Kit** \$10  
 (Refundable on return in satisfactory condition)

## Special Examination Fees

Examinations conducted in special circumstances for each subject	\$11
Review of examination results, for each subject	\$11

## 16. Penalties

(1) Failure to lodge enrolment form according to enrolment procedure	\$20
(2) Payment of fees after end of second week of session	\$20
(3) Payment of fees after end of fourth week of session	\$40

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) University Union fees and subscriptions may be waived by the Deputy Registrar (Student Services) for students enrolled in graduate courses in which the academic requirements require no attendance on the Kensington campus.

(4) 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 in a miscellaneous subject 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.

(5) 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.

(6) 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.

(7) Graduate students resubmitting a thesis or project only are exempt from all Student Activities Fees.

(8) 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 away from the Kensington campus for one or more sessions.



## 18. Withdrawal from Courses and Subjects

### Courses

(1) Students withdrawing from courses (see also **Subjects**, below) are required to notify the Registrar in writing.

(2) 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.

(3) If notice of withdrawal is received on or after the first day of Session 1:

(a) 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.

(b) if the notice of withdrawal is given before the end of the fourth week of Session 1 a full refund of other Student Activities Fees paid will be made; if notice is given before the end of the seventh week of Session 1 a refund of one half of the other Student Activities Fees paid will be made; thereafter no refund will be made, except as provided for in section (4) below.

(4) 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 a full refund of Student Activities Fees paid (other than the University Union Entrance Fee for which see item (3) (a) above) will be made; if notice is given before the end of the seventh week of Session 1 a refund of one half of the other Student Activities Fees paid will be made; thereafter no refund will be made.

### Subjects

(5) Students are permitted to withdraw from subjects without being regarded as having failed, provided they apply by the dates indicated.

**First Year Students** (ie enrolled for the first time in any undergraduate course at the University).

(a) one-session subjects; the end of the eighth week of that session (28 April or 15 September).

(b) double-session subjects; the end of the second week of Session 2 (4 August).

### Other Students

(a) one-session subjects; the end of the fourth week of that session (31 March or 18 August).

(b) double-session subjects; the end of the eleventh week from the start of Session 1 (19 May).

## 19. Exemption — Membership

The Registrar is empowered to grant exemption from membership of the Students' Union and the Sports Association to students who have a genuine religious objection to such membership, subject to payment of the prescribed fees to the University.

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## Leave of Absence

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Leave of absence from an undergraduate course of study may be granted to students other than those in the first year of a course. This has generally been restricted to one year but in special circumstances two years have been granted.

To apply for 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 Metropolitan Universities Admissions Centre.

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## Course Transfers

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*Students wishing to transfer from one course to another must complete and submit an application form, obtainable from the Admissions Office, Chancellery, by Friday 13 January.*

*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 office 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 1977 of their intention to transfer.

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## Admission with Advanced Standing

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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.

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## Changes in Course Programs

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Students seeking approval to substitute one subject for another, add one or more subjects to their program or discontinue part or all of their program must make application to the Registrar through the Head of the School responsible for the course on forms available from School offices and at the Enquiry Desk in the main entrance of the Chancellery. The Registrar will inform students of the decision. Application to enrol in additional subjects must be submitted by the end of the fourth week of Session 1.

It is emphasized that failure to sit for the examinations in any subject in which a student is enrolled will be regarded as failure to satisfy the examiners in that subject unless written approval to withdraw without failure has been obtained from the Registrar.

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## Resumption of Courses

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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 or before October 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 Metropolitan Universities Admission Centre before 1 October in the year preceding that in which they wish to resume studies.

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## Examinations

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Examinations for Session 2 and for Full Year subjects are held in November/December. Examinations for Session 1 subjects are held during the Midyear Recess.

Provisional timetables indicating the dates and times of examinations are posted on the University notice boards on the campus, including the Western Grounds area. Final timetables indicating the dates, times, locations and authorized aids are available for students two weeks before the end of each session. Students must advise the Examinations and Student Records Section (the Chancellery) of any clash in examinations. Details of dates are published in the *Calendar of Dates* earlier

in this volume or in the **General Information** section in the Faculty Handbooks (see May/June and October/November).

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 University courses, 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 but not superior performance).

**Pass** (indicates the achievement of an acceptable minimum level of competence in relation to the course objectives).

### 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.

### Terminating Pass

A terminating pass may be granted where the mark for the subject is below the required standard. A terminating pass will not permit a student to progress further in the subject or to enrol in any other subject for which a pass in the subject is a co-requisite or prerequisite. A student granted a terminating pass may attempt a deferred examination, if available, to improve his performance, but if the student fails the deferred examination, the terminating pass will stand.

## 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 notice boards and in the foyer of the Sir John Clancy Auditorium.

*No examination results are given by telephone.*

## Review of Results

Examination results may be reviewed for a fee of \$11 per subject, which is refundable in the event of an error being discovered. Such a review will consist primarily in ensuring that all questions attempted by candidates have been marked and that the total of all marks awarded are correct. Applications for review must be submitted on the appropriate form to the Examinations and Student Records Section, together with the necessary fee by the dates printed on the reverse side of *Notification of Results*.

## Special Consideration

Students who, through serious illness or other cause outside their control, are unable to attend an examination are required to advise the Registrar in writing of the details and submit a medical certificate or other evidence not later than *seven days after the date of the examination*.

Students who believe that their performance at an examination has been affected by serious illness during the year or by other causes outside their control and who desire the circumstances to be taken into consideration in determining their standing are required to advise the Registrar in writing of the details together with medical certificate or other evidence, *not later than seven days after the date of the examination*.

Students who attempt an examination and believe that their performance was, or is likely to be, prejudiced by sickness on the day of the examination must notify the Registrar or Examination Supervisor before, during or immediately after the examination and may be required to submit to medical examination.

When submitting a request for consideration candidates are required to give details of their registration number, address, course, specialization, year or stage, full or part-time and subject number, title and date of the examination affected.

## 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.

## Compulsory Industrial Training

Examinations including deferred 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 Section, immediately the location of the industrial training is known. Special forms for this purpose are available at the Enquiry Desk, 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 Translation Dictionaries

All answers must be in English unless otherwise directed. Foreign students who have the written approval of the Assistant Registrar, Examinations and Student Records Section, may use standard translation dictionaries. Dictionaries should be presented for approval, not later than 14 days before the commencement of the examination period.

## 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 ten 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. No candidate shall be admitted to an examination after thirty minutes from the time of commencement of the examination.
5. No candidate shall be permitted to leave the examination room before the expiry of thirty minutes from the time the examination commences.
6. No candidate shall be re-admitted to the examination room after he has left it unless during the full period of his absence he has been under approved supervision.
7. A candidate shall not by any improper means obtain, or endeavour to obtain, assistance in his work, give, or endeavour to give, assistance to any other candidate, or commit any breach of good order.
8. Smoking is not permitted during the course of examinations.

9. 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 sources of ideas and expressions that they use in essays. 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.

## Deferred Examinations

Deferred examinations may be granted in the following cases:

1. When a student through illness or some other acceptable circumstance has been prevented from taking the annual examination or has been placed at a serious disadvantage during the annual examinations. Requests for deferred examination in this category must be lodged with the Registrar with appropriate evidence of the circumstances (eg medical certificate) not later than seven days after the examination concerned. All such applications shall be reported to the Head of the School responsible for the subject. Before a deferred examination is granted on medical grounds, regard shall be paid to the student's class and assignment work in the subject, to his general performance in the year, and to the significance of the annual examination in compiling the composite mark.
2. To help resolve a doubt as to whether a student has reached the required standard in a subject.
3. To allow a student by further study to reach the required standard in a subject. The granting of a deferred examination in such cases will be based on the general quality of the student's performance.
4. Where a student's standing at the annual examinations is such that his progression or graduation could depend on his failure in one subject only, then his position in that subject shall be again reviewed with a view to determining whether a deferred examination may be granted notwithstanding his failure otherwise to qualify for such concession.

Deferred examinations must be taken at the centre in which the student is enrolled, unless he has been sent on compulsory industrial training to remote country centres or interstate. In this case the student must advise the Registrar, on a form available from his school or the Enquiry Desk, Chancellery, of relevant particulars, before leaving for his destination, in anticipation that deferred examination papers may have to be forwarded to him. Normally, the student will be directed to the nearest University for the conduct of the deferred examination.

### Deferred Examinations in Arts, Commerce and Law

1. Except in exceptional circumstances, deferred examinations may only be granted in Commerce degree courses in subjects taught by schools of the Faculty or by those schools in the Faculty of Arts listed in 2. below, or in Arts degree courses in subjects offered by the School of Economics, when a student through illness or for some other acceptable reason has been prevented from taking the examination or has been placed at a serious disadvantage during the examination.

2. Except on medical or compassionate grounds, no deferred examination may be granted in the Arts degree course in subjects offered by the Schools of Drama, English, French, Geography, German, History, History and Philosophy of Science, Philosophy, Political Science, Russian, Sociology, and Spanish and Latin American Studies.

3. The granting of deferred examinations in Law degree courses shall be subject to the following rules:

(1) In the case of subjects taken in another faculty or board of studies the rules of that faculty or board of studies shall apply;

(2) In other cases, deferred examinations shall be granted only in exceptional circumstances, and only if a deferred examination is considered necessary to assess a student's performance in a subject.

### Conceded Deferred Examination

A conceded deferred examination may be granted to a student where the mark in the subject is below the standard at which deferred examinations have been granted in the subject but whose overall performance warrants such a concession.

### Abolition of Deferred Examinations

The system of formal deferred examinations administered by the Registrar's Division will be 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.

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## Restrictions upon Students Re-enrolling

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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 for the first time in any undergraduate course in the University shall be required to show cause why he/she should be allowed to continue the course if that student fails more than half the program in which he/she is enrolled. In order that students may calculate half their program, the weighting of subjects in each course is defined in *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.* Failure in a deferred examination as well as in the initial examination counts for the purposes of this rule as one failure.

### General Rule

3. The Re-enrolment Committee may, on the recommendation of the relevant faculty or board of studies, review the academic progress of any student. If that student's academic record seems to demonstrate, in the opinion of the Committee, the student's lack of fitness to pursue a subject or subjects and/or a course or courses, the Committee may require that student to show cause why he/she should be allowed to re-enrol in such subject(s) and/or course(s).

### 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 not be required to show cause at that time but 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

\*For Schedule A see below.

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

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 A or B 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 Metropolitan Universities 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.

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.

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	300-22, 421-2	One-session subjects: UV 1 Two-session subjects in Year 1: UV 2
Architecture	330, 336-8	All subjects: UV equal to the allocated hours**
	333	All subjects: appropriate UV, corresponding to credit points**
Arts	340 (342)	All subjects: appropriate UV**
Biological Sciences	343	All subjects: UV 1
Commerce	349-59	All subjects except Mathematics: UV 1 Mathematics: UV 2
Engineering	360-74	One-session subjects: UV 1 Two-session subjects: UV 2
Law	472-9	One-session subjects: UV 1 Two-session subjects except 90.111: UV 2 90.111: UV 1
Medicine	380 (381)	80.011 and 80.211: UV 1 1.081 and 80.201: UV 2 2.011: UV 3 80.111: UV 6 General Studies: UV 0
Military Studies		All subjects: UV 1
Professional Studies	400 (402), 406	One-session subjects: UV 1 Two-session subjects in Year 1: UV 2
	403	63.421 and General Studies: UV ½ All other subjects in Years I and II: UV 1
	404 (405)	All subjects in Year I: UV 1
Science	391-7	All Science course subjects: appropriate UV** General Studies: UV 1 31.831: UV 1 31.821: UV 2 31.811: UV 3 31.812: UV 5

†Approved Council Meeting, November 1975.

\*\*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 complete the form *Submission of Details Associated with Graduation* by the dates shown in the **Calendar of Dates** and on the *Notification of Examination Results*. The forms are available from the Enquiry Counter at the Chancellery and will be mailed to all potential graduates.

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. This advice should reach the Registrar no later than 24 July for students completing at the end of Session 1, and 24 February for those completing at the end of Session 2 to ensure that the degree is not conferred.

## 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.

## Leave of Absence

Applications for leave of absence from lectures 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 permission to sit for the examination in that subject.

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## Student Records

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Enrolment details forms will be sent to all students on 28 April and 15 September. It is not necessary to return these forms unless any information recorded thereon 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.

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## Ownership of Students' Work

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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.

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## Change of Address

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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 at the Information Counters on the Ground Floor of the Chancellery Building.

All communications from the University, including examination results, will be sent to the Term address. Change of Address Advice will be accepted up to 30 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.

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## Notices

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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.

Notices will be placed on the University notice boards each month detailing forthcoming important dates. Any change to the *Calendar of Dates* will be included in these notices.

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## Parking within the University Grounds

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A limited amount of parking is available on campus. Copies of the University's parking rules may be obtained on application to Room 240, Chancellery Building.

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## Academic Dress

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Information about the University's academic dress requirements may be obtained from the Alumni Officer, Room 309, Chancellery Building (phone extension 2998).

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## Student Services and Activities

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### Accommodation

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### 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, 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. Apply in writing to the Master, Mr Z. Amit, 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 informally members of the University staff. 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 international 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, associated with Warrane College, offers accommodation for twenty-five full-time undergraduate and graduate women students of all nationalities and denominations. It is directed by the Women's Section of Opus Dei, a Catholic lay organization. Enquiries should be addressed to the Principal, 36 High Street, Randwick, NSW 2031.

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## Other Accommodation

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### Off-campus Accommodation

Students requiring other than College accommodation may contact the Housing Officer in the Student Amenities and Recreation Unit 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 Hut B. Telephone 663 0351, extension 3260.

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## Associations, Clubs and Societies

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### The Sports Association

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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-five clubs.

Membership is compulsory at \$6 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 Hut G, near the bottom of Basser Steps, and the control of the Sports Association is vested in the General Committee. Mr W. Harris is the Executive Officer of the Sports Association and can be contacted on extension 2673.

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## School and Faculty Associations

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Many schools and faculties have special clubs with interests in particular subject fields. Enquire at your Faculty Office for information.

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## Australian Armed Services

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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.

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## Chaplaincy Centre

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### 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, which also contains the temporary chapel. See the General Information section of the Faculty Handbooks for details which include telephone numbers.

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## Deputy Registrar (Student Services)

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The Deputy Registrar (Student Services), Mr Peter O'Brien, and his Administrative Assistant, Mr Stephen

Briand, 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 Mr Briand.

All enquiries should be made either at room 148E or by telephoning extension 2482 (general enquiries) or 3164 (financial assistance).

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## Student Amenities and Recreation Unit

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In general the Student Amenities and Recreation Unit 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 Unit 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 Unit, which is located in Hut B 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.

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## Physical Education and Recreation Centre

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The Student Amenities and Recreation Unit provides a recreational program for students and staff at the Physical Education and Recreation Centre. The Centre consists of eight squash courts and a main building, the latter containing 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, and fitness testing. The Centre is located on the lower campus adjacent to High Street. The Supervisor at PERC may be contacted on extension 3271.

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## **Student Counselling and Research Unit**

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The Student Counselling and Research Unit provides individual and group counselling and self-help programs for students, prospective students, parents and others concerned with student progress. It pursues research into factors affecting student performance, and the published results of its research and experience are helpful in improving University and other counselling services and 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, 3685 and 2696 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. The Head of the Unit is Mr G. A. Gray.

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## **Student Employment and Scholarships Unit**

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The Student Employment and Scholarships Unit offers assistance with career employment for final year students and graduates of the University. This service includes the mailing of regular job vacancy notices to registered students, and a Careers Library containing information on various careers and employers.

Careers advice and assistance are also available to undergraduates. Students undertaking courses in Applied Science or Engineering which require course-related industrial or professional training experience are assisted to find such employment over the long vacation. Information and advice regarding cadetships, undergraduate and graduate scholarships is also available.

The service is located in Room G19 of the Chancellery.

Phone extension 3259 for employment and careers advice, extension 2525 for details of graduate awards and grants, and extension 2086 for undergraduate scholarship, cadetship and industrial training information.

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## **Student Health Unit**

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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 entirely 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 for specialist opinion and/or treatment. 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 or 3275 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. These clinics are open to staff and students and appointments may be made for the Student Health Unit clinic by telephoning 698 9499 or for The Prince of Wales Hospital clinics by telephoning 399 0111.

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## **The Students' Union**

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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 \$14 for full-time students and \$11 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, through the permanent Administrative Officer.

Other full-time officers include the Education Vice-President who works towards the implementation of Student Union education policy and in assisting students with problems they may encounter in the University; director of Overseas Students who deals with specific problems these students may encounter while in Australia. Both are elected by students with the latter elected by overseas students.

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 Students' Union is affiliated with the Australian Union of Students (AUS) which represents students on the national level. AUS also subsidises cheap travel and insurance.

The SU is located on the Second Floor, Stage III, the Union.

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## The University Library

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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. For students, a current union card is acceptable. Staff must apply to the library for a library card.

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## The University Union

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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 \$45 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 J. E. Fitzgerald.

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.

## 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	301	BSc	4	4
Applied Economic Geography	301	BSc	4	4
Biogeography and Bioclimatology	301	BSc	4	4

Course	Course Code	Degree	Duration In Years	
			Pass	Honours
<b>Faculty of Applied Science (continued)</b>				
<i>Geomorphology and Pedology</i>	301	BSc	4	4
Applied Geology	300	BSc	4	4
Ceramic Engineering	302	BSc	4	4
Chemical Engineering	304	BE	4	4
<i>Biological Process Engineering 1.</i>	304	BE	4	4
<i>Fuel Engineering 1.</i>	304	BE	4	4
Food Technology	306	BSc	4	4
Industrial Chemistry	310	BSc	4	4
Metallurgical Process Engineering	318	BE	4	4
Metallurgy	312	BSc	4	4
Mining Engineering	419	BE	4	4
Mining Engineering	314	BE	4	4
Textile Technology	317	BSc	4	4
<i>Textile Chemistry</i>	317	BSc	4	4
<i>Textile Physics</i>	317	BSc	4	4
<i>Textile Engineering</i>	317	BSc	4	4
<i>Textile Manufacture</i>	317	BSc	4	4
Wool and Pastoral Sciences	322	BSc	4	4
Wool and Pastoral Sciences (Education Option)	321	BSc	4	4

**Full-time (continued)**

Course	Course Code	Degree	Duration in Years	
			Pass	Honours
<b>Faculty of Architecture</b>				
Architecture	327/328	BArch	5	5
Architecture	327/329	BSc(Arch)	3	4
Architecture (old course)	337	BSc(Arch)	3	—
Architecture (old course)	330	BArch	6	6
Landscape Architecture	338	BLArch	4	4
Building 2.	333	BBuild	4	4
Town Planning	336	BTP	5	5

**Faculty of Arts**

Arts	340	BA	3	4
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**Faculty of Biological Sciences**

Psychology	343	BSc	4	4
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**Faculty of Commerce**

Accounting, Finance and Systems	351	BCom	3	4
Economic History	359	BCom	3	4
Economics	353	BCom	3	4
Econometrics	356	BCom	3	4
Economics/Econometrics (Honours)	358	BCom	—	4
Industrial Relations	355	BCom	3	4
Marketing	349	BCom	3	4

**Faculty of Engineering**

Aeronautical Engineering	361	BE	4	4
Civil Engineering	362	BE	4	4
Electrical Engineering	364	BE	4	4
Industrial Engineering	366	BE	4	4
Mechanical Engineering	368	BE	4	4
Naval Architecture	370	BE	4	4
Surveying	374	BSurv	4	4
Combined Arts/Engineering 3.	372	BA BE	5	6
Combined Science/Civil Engineering 3A.	373	BSc BE	5	6
Combined Science/Electrical Engineering	397/364	BSc BE	5	5

Course	Course Code	Degree	Duration in Years Pass Honours	
<b>Faculty of Law</b>				
Combined Arts/Law 4.	476	BA LLB	5	6/7
Combined Commerce/ (Accounting, Finance and Systems)/Law	473	BCom LLB	5	6
Combined Commerce (Economics)/Law	474	BCom LLB	5	6
Combined Commerce (Industrial Relations)/ Law	475	BCom LLB	5	6
Combined Science/ Law	477	BSc LLB	5	—
Combined Juris- prudence/Law	478	BJuris LLB	5	—
Jurisprudence	472	BJuris	3	—
Law 5.	479	LLB	3	—

**Faculty of Medicine**

Medicine	380	MB BS	5	5
Science (Medicine)	381	BSc(Med)	5A.	5A.

**Faculty of Military Studies**

Applied Science	430	BSc(Mil)	4	—
Chemistry	433	BSc	—	5
Mathematics	434	BSc	—	5
Physics	435	BSc	—	5
Arts	431	BA(Mil)	4	—
Arts	436	BA	—	5
Civil Engineering	432	BE	5	5
Electrical Engineering	437	BE	5	5
Mechanical Engineering	448	BE	5	5

**Faculty of Professional Studies**

Health Administration Science (Industrial Arts)	404	BHA	3	—
Diploma in Education	401	BSc(IndArts) DipEd	4	—

1. Awarded degree of BE in Chemical Engineering.

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.

3A. Details have yet to be approved.

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.

5A. See Faculty of Medicine Handbook for details.

**Full-time (continued)**

Course	Course Code	Degree	Duration in Years Pass Honours	
<b>Faculty of Professional Studies (continued)</b>				
Science/Diploma in Education				
<i>Mathematics Option</i>	407	BSc DipEd	4	5
<i>Science Option</i>	408	BSc DipEd	4	5
Social Work	403	BSW	4	4

**Faculty of Science**

Optometry	395	BOptom	4	4
Pure and Applied Chemistry	391	BSc	3	4

**Board of Studies in Science and Mathematics**

Science and Mathematics	397	BSc	3	4
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**Part-time****Faculty of Applied Science**

Mining Engineering	420	BE	7	7
Mining Engineering <sup>6</sup> .	421	BE	7	7
Ceramics	303	BSc(Tech)	6	—
Chemical Engineering	304	BE	7	7
Food Technology	307	BSc(Tech)	6	—
Industrial Chemistry	311	BSc(Tech)	6	—
Metallurgy	313	BSc(Tech)	6	—
Mineral Processing <sup>6</sup> .	422	BSc(Tech)	Stages 1 & 2 —	

**Faculty of Architecture**

Architecture	337	BSc(Arch)	6	—
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**Faculty of Commerce <sup>7</sup>.**

Accounting, Finance and Systems	351	BCom	6	7
Economic History	359	BCom	6	7
Economics	353	BCom	6	7
Economics/Econometrics (Honours)	358	BCom	—	7
Econometrics	356	BCom	6	7
Industrial Relations	355	BCom	6	7
Marketing	349	BCom	6	7
Part-time, Year 1 only	350	—	—	—

Course	Course Code	Degree	Duration in Years Pass Honours	
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**Faculty of Engineering**

Aeronautical Engineering	360	BSc(Eng)	6	—
Civil Engineering	362	BE	7	7
Civil Engineering	363	BSc(Eng)	6	—
Electrical Engineering	365	BSc(Eng)	6	—
Industrial Engineering	367	BSc(Eng)	6	—
Mechanical Engineering	369	BSc(Eng)	6	—
Naval Architecture	371	BSc(Eng)	6	—
Surveying	374	BSurv	7	7
Surveying <sup>8</sup> .	375	BSurv	6/7	6/7

**Faculty of Law**

Law	479	LLB	6	—
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**Faculty of Professional Studies**

Health Administration <sup>9</sup> .	404	BHA	6	—
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**Faculty of Science**

Pure and Applied Chemistry	391	BSc	6	8
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**Board of Studies in Science and Mathematics**

Science and Mathematics	397	BSc	7	9
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<sup>6</sup>. Available at Broken Hill and may be completed on a mixed full-time and part-time basis.

<sup>7</sup>. With the approval of the Head of School concerned, each of the part-time Commerce courses may be completed in five years.

<sup>8</sup>. The Surveying course is offered as a sandwich course (375) in which students attend alternate sessions on a full-time basis. In 1978, however, new students are given the opportunity of attending full-time for one year or completing Parts 1 and 2 of the course on a part-time basis.

<sup>9</sup>. 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.

## Graduate Study (continued)

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 Law† 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.

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 Postgraduate Committee in Medical Education, and a number of Schools of the University. These courses cover a wide range of interests, and details are advertised separately.

School/Course	Type	Course Code	Duration/Years	
	Research /Course		Full-time	Part-time

### Faculty of Applied Science

#### PhD

Applied Geology	R	100		
Chemical Engineering	R	101		
Chemical Technology	R	102		
Food Technology	R	103		
Geography	R	108		
Metallurgy	R	104		
Mining Engineering	R	105		
Textile Technology	R	106		
Wool and Pastoral Sciences	R	107		

#### MAppSc

Applied Geophysics	C	807	1	—
Bioprocess Engineering	C	800	1	2
Chemical Engineering	C	801	1	2
Chemical Technology	C	880	1	2
Environmental Pollution Control	C	804	1	2

School/Course	Type	Course Code	Duration/Years	
	Research /Course		Full-time	Part-time
Food Technology	C	803	1	2
Fuel Technology	C	806	1	2
Engineering Geology—Hydrogeology—Environmental Geology	C	802	1	2
Industrial Pollution Control	C	808	1	2
Metallurgy	C	805		
Mineral Exploration	C	809	1	2

#### ME

Chemical Engineering	R	215		
Chemical Technology	R	216		
Metallurgy	R	217		
Mining Engineering	R	218		

#### MSc

Applied Geology	R	200		
Chemical Engineering	R	201		
Chemical Technology	R	202		
Food Technology	R	203		
Geography	R	204		
Metallurgy	R	205		
Mining Engineering	R	206		
Textile Technology	R	207		
Wool and Pastoral Sciences	R	208		

#### GradDip

Corrosion Technology	C	501	—	2
Food Technology	C	502	1	2
Fuel Technology	C	503	1	2
Mining and Minerals Engineering	C	504	1	2
Wool Technology	C	508	1	2

### Faculty of Architecture

#### PhD

Architecture	R	113		
Building	R	114		
Town Planning	R	115		

#### MArch

Architecture	R	220		
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\*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.



**Graduate Study (continued)**

School/Course	Type Research /Course	Course Code	Duration/Years Full- time	Part- time
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**Faculty of Architecture (continued)****MBuild**

Building	R	221		
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**MLArch**

Landscape Architecture	R	222		
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**MSc(Acoustics)**

Acoustics	C	810	—	2
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**MSc(Building)**

Building	C	811	—	2
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**MTP**

Town Planning	R	223		
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**GradDip**

Housing and Neighbour- hood Planning	C	520	1	2
Landscape Design	C	521	—	2

**Faculty of Arts****PhD**

Drama	R	118		
English	R	120		
French	R	121		
Geography	R	122		
German	R	123		
History	R	124		
History and Philosophy of Science	R	125		
Philosophy	R	126		
Political Science	R	127		
Russian	R	129		
Sociology	R	130		
Spanish	R	131		

**MA(Hons)**

Drama	R	226		
Economics	R	227		
English	R	228		
French	R	229		
Geography	R	230		
German	R	231		
History	R	232		
History and Philosophy of Science	R	233		

School/Course	Type Research /Course	Course Code	Duration/Years Full- time	Part- time
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Mathematics	R	234		
Philosophy	R	235		
Political Science	R	236		
Psychology	R	225		
Russian	R	237		
Sociology	R	238		
Spanish and Latin American Studies	R	239		

**MA**

English	C	817	1	2
German	C	820	1	2
History	C	818	—	2
Mathematics	C	816	—	2
Philosophy	C	819	1	2

**Faculty of Biological Sciences****PhD**

Biochemistry	R	141		
Biological Technology	R	142		
Botany	R	143		
Microbiology	R	144		
Psychology	R	140		
Zoology	R	145		

**MPsychol**

Psychology	C	825	1	2
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**MSc**

Biochemistry	R	246		
Biological Technology	R	247		
Botany	R	248		
Microbiology	R	249		
Psychology	R	245		
Zoology	R	250		

**MSc(Biotech)**

Biological Technology	C	826	1	2
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**GradDip**

Biochemical Engineering	C	532	1	2
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**Faculty of Commerce****PhD**

Accountancy	R	152		
Business Administration	R	153		
Economics	R	154		
Marketing	R	155		

## Graduate Study (continued)

School/Course	Type	Course Code	Duration/Years	
	Research /Course		Full-time	Part-time

### Faculty of Commerce (continued)

#### MCom(Hons)

Accounting, Finance and Systems	R & C	263	2	3
Economic History	R & C	259	2	3
Econometrics	R & C	260	2	3
Economics	R & C	264	2	3
Industrial Relations	R & C	254	2	3
Marketing	R & C	253	2	3

#### MCom

Commerce	C	847	2	3
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### Faculty of Engineering

#### PhD

Civil Engineering	R	163		
Electrical Engineering	R	164		
Mechanical and Industrial Engineering	R	166		
Nuclear Engineering	R	167		
Surveying	R	168		
Transport and Highways	R	170		

#### ME

Civil Engineering	R	265		
Electrical Engineering	R	266		
Mechanical and Industrial Engineering	R	269		
Nuclear Engineering	R	270		
Transport and Highways	R	273		

#### MEngSc

Civil Engineering	C	861	1	2
Electrical Engineering	C	850	1	2
Industrial Engineering	C	853	1	2
Mechanical Engineering	C	854	1	2
Nuclear Engineering	C	855	1	2
Transport and Highways	C	860		

#### MSc

Civil Engineering	R	275		
Electrical Engineering	R	276		
Mechanical and Industrial Engineering	R	278		
Transport and Highways	R	274		

School/Course	Type	Course Code	Duration/Years	
	Research /Course		Full-time	Part-time

#### MSurv

Surveying	R	272		
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#### MSurvSc

Surveying Science	C	865	1	2
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#### GradDip

Highway Engineering	C	543	1	2
Human Communication	C	544	1	2
Industrial Engineering	C	545	1	2
Transport	C	546	1	2
Engineering Developments*	C	547	1	2

### Faculty of Law

#### PhD

Law	R	173		
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#### LLM

Law	R	244		
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### Faculty of Medicine

#### MD

Medicine	R	035		
Pathology	R	036		
Physiology and Pharmacology	R	037		
Obstetrics and Gynaecology	R	038		
Psychiatry	R	039		
Surgery	R	040		
Paediatrics	R	041		
Anatomy	R	042		
Community Medicine	R	043		

#### PhD

Anatomy	R	175		
Community Medicine	R	176		
Medicine	R	177		
Pathology	R	178		
Physiology and Pharmacology	R	179		
Psychiatry	R	180		
Surgery	R	181		
Obstetrics and Gynaecology	R	182		
Paediatrics	R	183		

\*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)****MSc**

Anatomy	R	280		
Community Medicine	R	281		
Medicine	R	282		
Obstetrics and Gynaecology	R	283		
Pathology	R	284		
Physiology and Pharmacology	R	285		
Psychiatry	R	288		
Paediatrics	R	**		
Surgery	R	**		

**MS**

Surgery (School of Surgery)	R	286		
Surgery (Other Schools)	R	287		

**Faculty of Military Studies****PhD**

Applied Physics and Optometry	R	186		
Chemistry	R	187		
Civil Engineering	R	163		
Economics	R	154		
Electrical Engineering	R	164		
English	R	120		
Government (Arts)	R	132		
Geography	R	108		
Government (Commerce)	R	157		
Highway Engineering	R	165		
History	R	124		
Mathematics	R	188		
Mechanical and Industrial Engineering	R	166		
Nuclear Engineering	R	167		
Physics	R	189		
Surveying	R	168		
Traffic Engineering	R	169		

**MA(Hons)**

Economics	R	227		
English	R	228		
Government	R	240		
Geography	R	230		
History	R	232		
Mathematics	R	234		

School/Course	Type Research /Course	Course Code	Duration/Years Full- time	Part- time
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**ME**

Civil Engineering	R	265		
Electrical Engineering	R	266		
Mechanical	R	269		

**MSc**

Chemistry	R	291		
Mathematics	R	292		
Physics	R	293		

**Faculty of Professional Studies****PhD**

Education	R	197		
Health Administration	R	195		
Industrial Arts	R	196		
Librarianship	R	199		
Social Work	R	198		

**MCouns(Ed)**

MCouns(Ed)	R & C	895	2	—
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**MEd**

Education	R	299		
Education	C	891	2	4

**MHA**

Health Administration	R	296	2	2 or more
Health Administration	C	890	2	—

**MHP**

Health Planning	C	894	1	2
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**MLib**

Librarianship	R	298		
Librarianship	C	892	1	2

**MSc**

Industrial Arts	R	295		
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**MSW**

Social Work	R	297		
Social Work	C	893	1	2

**DipEd**

Education	C	556	1	—
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\*\*Course code number not available at time of publication.

## Graduate Study (continued)

School/Course	Type Research Course /Course Code	Duration/Years	
		Full- time	Part- time

### Faculty of Professional Studies (continued)

#### GradDip

Industrial Design	C	557	1	2
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#### DipLib

Librarianship	C	559	1	—
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#### DipArchivAdmin

Librarianship	C	560	1	2
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### Faculty of Science

#### PhD

Optometry	R	186		
Chemistry	R	187		
Mathematics	R	188		
Physics	R	189		

#### MChem

Chemistry	C	877	1	—
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#### MMath

Mathematics	C	874	1	2
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#### MOptom

Optometry	C	876	1	2 or more
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#### MPhysics

Physics	C	873	1	—
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#### MSc

Optometry	R	290		
Chemistry	R	291		
Mathematics	R	292		
Physics	R	293		

#### MScSoc

History and Philosophy of Science	C	878	—	2
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#### MStats

Statistics	C	875	2	4
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#### DipFDA

Food and Drug Analysis	C	551	—	2
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#### GradDip

Current Science	C	552	1	2
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School/Course	Type Research Course /Course Code	Duration/Years	
		Full- time	Part- time

### Australian Graduate School of Management

#### PhD

AGSM	R	135		
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#### MBA

Business Administration	C	835	2	—
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#### MPA

Public Administration	C	836	2	—
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### Board of Studies in General Education

MGenStud	R & C	910	—	2
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### Professorial Board

#### MHPed

Health Personnel Education	C	900	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 Pass/Honours	
		Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Accountancy	Commerce	351	351	BCom	BCom	3/4	6/7
		847	847	MCom	MCom	2	3
Acoustics, <i>see also</i> <i>Architecture</i>	Architecture		810		MSc(Acoustics)		2
Aeronautical Engineering	Engineering	361	360	BE	BSc(Eng)	4	6
Anatomy, <i>see also</i> <i>Cellular</i> <i>Biology, Human Structure and</i> <i>Function, Medical Science</i>	Medicine	381		BSc(Med)		*	
	Board of Studies in Science and Mathematics	397		BSc	BSc	3	7/8-9
Applied Geography, <i>see</i> <i>Geography</i>							
Applied Geology, <i>see</i> <i>Geology</i>							
Applied Geophysics	Applied Science	807	807	MAppSc	MAppSc	1	2
Architecture	Architecture	327/328		BArch		5	
		327/329		BSc(Arch)		3/4	
		337	337	BSc(Arch)	BSc(Arch)	3	6
		330		BArch		6	
Archives Administration	Professional Studies	560	560	DipArchivAdmin	DipArchivAdmin	1	2
Biochemical Engineering	Biological Sciences	532	532	GradDip	GradDip	1	2
Biochemistry, <i>see also</i> <i>Cellular Biology, Human</i> <i>Structure and Function,</i> <i>Medical Science</i>	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/8-9
	Medicine	381		BSc(Med)		*	
Biological Technology, <i>see also</i> <i>Food Technology</i>	Biological Sciences and Applied Science	826	826	MSc(Biotech)	MSc(Biotech)	1	2
	Board of Studies in Science and Mathematics	397		BSc		3/4	
Bioprocess Engineering, <i>see also</i> <i>Chemical Engineering</i>	Applied Science	800	800	MAppSc	MAppSc	1	2
Botany	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/8-9
Building	Architecture	333	333 811	BBuild	BBuild MSc(Building)	8/17 semesters	2
Business Administration	AGSM	835		MBA		2	

\*See Faculty of Medicine Handbook for details.

## Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Duration Pass/Honours	
		Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
<b>Cellular Biology</b>	Medicine	380		MB BS		5	
<b>Ceramic Engineering, see also Chemical Technology</b>	Applied Science	302		BSc		4	
<b>Ceramics, see also Chemical Technology</b>	Applied Science		303		BSc(Tech)		6
<b>Chemical Engineering</b>	Applied Science	304	304**	BE	BE**	4	7**
		801	801	MAppSc	MAppSc	1	2
<b>Chemical Technology, see also Ceramic Engineering, Ceramics, Industrial Chemistry and Polymer Science</b>	Applied Science	880	880	MAppSc	MAppSc	1	2
<b>Chemistry, see also Pure and Applied Chemistry</b>	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/8-9
	Science	877		MChem		1	
	Medicine	380		MB BS		5	
<b>Civil Engineering</b>	Engineering	362	362	BE	BE	4	7**
			363		BSc(Eng)		6
		373		BSc BE		5	6
		861	861	MEngSc	MEngSc	1	2
<b>Clinical Studies</b>	Medicine	380		MB BS		5	
<b>Community Medicine</b>	Medicine	380		MB BS		5	
		381		BSc(Med)		*	
<b>Commerce, see also Accountancy, Economics, Economic History, Econometrics, Industrial Relations, and Marketing</b>	Commerce	847	847	MCom	MCom	2	3
<b>Computer Science, see also Electrical Engineering</b>	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/9
<b>Corrosion Technology</b>	Applied Science		501		GradDip		2
<b>Current Science</b>	Science	552	552	GradDip	GradDip	1	2
<b>Drama</b>	Arts	340		BA		3/4	
<b>Econometrics, see also Economics</b>	Commerce	356	356	BCom	BCom	3/4	6/7
		847	847	MCom	MCom	2	3
<b>Economic History, see also Economics</b>	Commerce	359	359	BCom	BCom	3/4	6/7
		847	847	MCom	MCom	2	3
<b>Economics</b>	Commerce	353	353	BCom	BCom	3/4	6/7
		847	847	MCom	MCom	2	3
<b>Education</b>	Professional Studies	407		BSc DipEd		4	5
<b>Mathematics Option</b>		408		BSc DipEd		4	5
<b>Science Option</b>		891	891	MEd	MEd	2	4
		556		DipEd		1	
		895		MCouns(Ed)		2	

\*See Faculty of Medicine Handbook for details.

\*\*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 Pass/Honours	
		Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Electrical Engineering	Engineering	364	365	BE	BSc(Eng)	4	6
		397/364		BSc BE		5/6	
		372		BA BE		5/6	
		850	850	MEngSc	MEngSc	1	2
	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/9
Engineering Developments	Engineering	547	547	GradDip	GradDip	1	2
Engineering Geology— Hydrogeology—Environ- mental Geology	Applied Science	802	802	MAppSc	MAppSc	1	2
English	Arts	340		BA		3/4	
		817	817	MA	MA	1	2
Environmental Pollution Control	Applied Science	804	804	MAppSc	MAppSc	1	2
Environmental Geology, <i>see Engineering Geology</i>							
Food and Drug Analysis	Science	551	551	DipFDA	DipFDA	1	2
Food Technology, <i>see also</i> <i>Chemical Engineering</i>	Applied Science	306	307	BSc	BSc(Tech)	4	6**
		803	803	MAppSc	MAppSc	1	2
		502	502	GradDip	GradDip	1	2
French	Arts	340		BA		3/4	
Fuel Engineering, <i>see also</i> <i>Chemical Engineering</i>	Applied Science	304		BE		4	
Fuel Technology	Applied Science	806	806	MAppSc	MAppSc	1	2
		503	503	GradDip	GradDip	1	2
General Studies	Board of Studies in General Education		910		MGenStud		2
Geography	Applied Science	301		BSc		4	
	Board of Studies in Science and Mathematics	397		BSc		3/4	
Geology	Applied Science	300		BSc		4	
	Science	397	397	BSc	BSc	3/4	7/8-9
	Board of Studies in Science and Mathematics	397		BSc		3/4	
German	Arts	340		BA		3/4	
		820	820	MA	MA	1	2
Health Administration	Professional Studies	404	404	BHA	BHA	3	6
		890		MHA		2	
Health Planning	Professional Studies	894	894	MHP	MHP	1	2
Health Personnel Education	Professorial Board†	900	900	MHPed	MHPed	1½	2½
History	Arts	340		BA		3/4	
History and Philosophy of Science	Arts	340		BA		3/4	

\*\*By combination of full-time and part-time study the duration may be reduced.

†Administering body.

## Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Duration	
		Full-time	Part-time	Full-time	Part-time	Pass/Honours	Full-time Part-time
History and Philosophy of Science (continued)	Board of Studies in Science and Mathematics	397		BSc		3/4	
Housing and Neighbourhood Planning	Architecture	520	520	GradDip	GradDip	1	2
Human Behaviour	Medicine	380		MB BS		5	
Human Communication, <i>see also Division of Post-graduate Extension Studies</i>	Engineering	544	544	GradDip	GradDip	1	2
Human Structure and Function	Medicine	380		MB BS		5	
Hydrogeology, <i>see Engineering Geology</i>							
Industrial Arts	Professional Studies	401		BSc(Ind Arts) DipEd		4	
Industrial Chemistry, <i>see also Chemical Technology</i>	Applied Science	310	311	BSc	BSc(Tech)	4	6
Industrial Design‡	Professional Studies	557	557	GradDip	GradDip	1	2
Industrial Engineering	Engineering	366	367	BE	BSc(Eng)	4	6
		853	853	MEngSc	MEngSc	1	2
			545		GradDip		2
Industrial Pollution Control	Applied Science	808	808	MAppSc	MAppSc	1	2
Industrial Relations, <i>see also Economics</i>	Commerce	355	355	BCom	BCom	3/4	6/7
		847	847	MCom	MCom	2	3
Integrated Clinical Studies, <i>see Clinical Studies</i>							
Landscape Architecture, <i>see also Architecture</i>	Architecture	338		BLArch		4/4	
Landscape Design			521		GradDip		2
Law	Law						
Arts/Law		476		BA LLB		5/6-7	
Commerce (Accounting, Finance and Systems)/Law		473		BCom LLB		5/6	
Commerce (Economics)/Law		474		BCom LLB		5/6	
Commerce (Industrial Relations)/Law		475		BCom LLB		5/6	
Science/Law		477		BSc LLB		5	
Jurisprudence/Law		478		BJuris LLB		5	
Jurisprudence		472		BJuris		3	
Law		479		LLB	LLB	3	6
Librarianship	Professional Studies	892	892	MLib	MLib	1	2
		559		DipLib		1	
Marine Science	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/9
Marketing	Commerce	349	349	BCom	BCom	3/4	6/7
		847	847	MCom	MCom	2	3

‡Not offered in 1978.



**Table of Courses (alphabetical) (continued)**

Discipline	Faculty	Code Number		Degree Abbreviation		Duration	
		Full-time	Part-time	Full-time	Part-time	Pass/Honours	Full-time Part-time
Mathematics	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/8-9
	Arts	340		BA		3/4	
	Science	874	874 816	MMath	MMath MA	1	2 2
Mechanical Engineering	Engineering	368 854	369 854	BE MEngSc	BSc(Eng) MEngSc	4 1	6 2
Medical Science	Medicine	380		MB BS		5	
<i>Medicine, 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	380		MB BS		5	
Metallurgy	Applied Science	312 805	313 805	BSc MAppSc	BSc(Tech) MAppSc	4 1	6 2
Metallurgical Process Engineering, <i>see also Metallurgy</i>	Applied Science	318		BE		4	
<i>Microbiology, see also Paraclinical Science</i>	Board of Studies in Science and Mathematics	397 381	397	BSc BSc(Med)	BSc	3/4 *	7/8-9
<i>Mineral Exploration, see also Geology</i>		809	809	MAppSc	MAppSc	1	2
<i>Mineral Processing**, see also Mining Engineering</i>	Applied Science		422**		BSc(Tech)**		6
<i>Mining and Mineral Engineering, see Mining Engineering</i>	Applied Science	504	504	GradDip	GradDip	1	2
Mining Engineering	Applied Science	314 419**	421** 420**	BE BE**	BSc(Eng)** BE**	4 4/4**	6** 7/7**
Naval Architecture	Engineering	370	371	BE	BSc(Eng)	4	6
Nuclear Engineering	Engineering	855	855	MEngSc	MEngSc	1	2
Obstetrics and Gynaecology	Medicine	380		MB BS		5	
Optometry	Science	395 876	876	BOptom MOptom	MOptom	4 1	2 or more
Paediatrics	Medicine	380		MB BS		5	
Paraclinical Science	Medicine	380		MB BS		5	
<i>Pathology, see also Paraclinical Science, Clinical Studies</i>	Medicine	381		BSc(Med)		*	
<i>Pharmacology, see also Paraclinical Science, Medical Science</i>							

\*See Faculty of Medicine Handbook for details.

\*\*Available at Broken Hill only.

## Table of Courses (alphabetical) (continued)

Discipline	Faculty	Code Number		Degree Abbreviation		Duration	
		Full-time	Part-time	Full-time	Part-time	Pass/Honours	Full-time Part-time
Philosophy	Arts	340		BA		3/4	
		819	819	MA	MA	1	2
Physics	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/9
		873	873	MPhysics	MPhysics	1	2
Physics	Medicine	380		MB BS		5	
Physiology, <i>see also Cellular Biology, Human Structure and Function</i>	Medicine	381		BSc(Med)		1	
	Board of Studies in Science and Mathematics	397		BSc		3/4	
Political Science	Arts	340		BA		3/4	
Polymer Science, <i>see Chemical Technology</i>							
Psychiatry	Medicine	380		MB BS		5	
Psychology	Biological Sciences	343		BSc		4	
		825	825	MPsychol	MPsychol	1½	3
	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/8-9
	Arts	340		BA		3/4	
Public Administration	AGSM	836		MPA		2	
Pure and Applied Chemistry, <i>see also Chemistry</i>	Science	391	391	BSc	BSc	6	8
Russian	Arts	340		BA		3/4	
Social Work	Professional Studies	403		BSW		4	
		893	893	MSW	MSW	1	2
Sociology	Arts	340		BA		3/4	
Spanish and Latin American Studies	Arts	340		BA		3/4	
Statistics, <i>see also Econometrics and Mathematics</i>	Science	875	875	MStats	MStats	2	4
Surgery, <i>see Clinical Studies</i>							
Surveying	Engineering	374	375*	BSurv	BSurv*	4	6/7*
		865	865	MSurvSc	MSurvSc	1	2
Textile Technology	Applied Science	317		BSc		4	
Town Planning	Architecture	336		BTP		5	
Transport	Engineering	546	546	GradDip	GradDip	1	2
Transport and Highways	Engineering	860	860	MEngSc	MEngSc	1	2
Wool and Pastoral Sciences	Applied Science	322		BSc		4	
<i>Education Option</i>		321		BSc		4	
Wool Technology	Applied Science	508	508	GradDip	GradDip	1	2
Zoology	Board of Studies in Science and Mathematics	397	397	BSc	BSc	3/4	7/8-9

\*Sandwich course, involving full-time attendance at University for one session and full-time employment in surveying for remainder of year.

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## Summary of Disciplines of the University

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For details of the disciplines within each faculty consult the relevant faculty handbook.

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### Faculty of Applied Science

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#### 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 (304) 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 (397) 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 (800), Chemical Engineering (801), Environmental Pollution Control (804), Fuel Technology (806), and Industrial Pollution Control (808); and two Graduate Diploma courses, in Corrosion Technology (501) and in Fuel Technology (503).

#### 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 (302 full-time BSc) and Ceramics (303 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 (310 full-time BSc and 311 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 (880), 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 (306) and the BSc(Tech) (307) degree respectively. First year courses in Food Technology are similar to first year of the Science and Mathematics course (397) 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 (803) and a Graduate Diploma course in Food Technology (502).

#### 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 (301) 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, Economic Geography and Geomorphology and Pedology.

Geography is also a major sequence in the Arts course (340), 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 (397) 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 (300) 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 course (397) and a minor study in the Arts Course (340).

There are three formal Master of Applied Science degree courses: in Engineering Geology—Hydrogeology—Environmental Geology (EHE) (802), Applied Geophysics (807) and Mineral Exploration (809).

#### 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 (312) and in Metallurgical Process Engineering (318), leading to the award of the BSc and the BE degree respectively; and one part-time in Metallurgy (313), leading to the award of the BSc(Tech) degree.

There is also a formal graduate course in Metallurgy (805), 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 (314) leading to the award of the BE degree, part-time courses (420 and 421) leading to the award of the degrees of BE and BSc(Eng) respectively, and the part-time course in Mineral Processing (422) 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 (504), leading to the award of a Graduate Diploma.

### Textile Technology

The Textile Technology course (317), 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 (397) and Electrical Engineering (364), 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 course (322) provides training for specialist personnel in the pastoral industry. Initially there is a study of the basic sciences, and then courses in Plant Sciences, Animal Production, Wool Science and Metrology, Agricultural Economics, Genetics, Biostatistics, Mammalian Nutrition, Physiology and Biochemistry, Rural Extension and Animal Health. Students may specialize in any of these topics in fourth year.

There is also a BSc degree course in Wool and Pastoral

Sciences Education Option (321), which provides tertiary training for teachers of sheep husbandry and wool science in the Department of Technical Education and in Agricultural High Schools and Colleges.

A formal graduate diploma course in Wool Technology (508) is available.

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## Faculty of Architecture

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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 commencing in 1978 in the School of Architecture and who seek registration and professional recognition, the School offers the Bachelor of Architecture degree course (327/328); for those who wish to specialize in a particular field of architecture the School offers the Bachelor of Science (Architecture) degree course (327/329). Both courses are available on a semester basis. Students enrolled prior to 1978 continue their studies in either the BSc(Arch) degree course (337) or the BArch degree course (330).

The School of Architecture also offers the Bachelor of Landscape Architecture degree course (338), which is concerned with both natural and man-made exterior spaces.

There are two formal graduate courses: the Master of Science (Acoustics) (810), and the Graduate Diploma in Landscape Design (521).

### Building

Building is one of the three Schools of the Faculty of Architecture. The Bachelor of Building course (333 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) (811).

### Town Planning

The Bachelor of Town Planning degree course (336) 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 (520).

## Faculty of Arts

All the disciplines in the Faculty of Arts constitute major sequences for the award of the Bachelor of Arts degree (340).

### Drama

Courses in the School of Drama are concerned with the critical and historical evaluation of drama and of the theatre arts, including film. The courses are academic, but also introduce students to the practical side of theatre. The work of the School is facilitated and enriched by the presence on campus of the National Institute of Dramatic Art, which provides vocational training, the Old Tote Theatre, a professional company, and the Jane Street Theatre which presents seasons of new Australian work.

### 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 (817) is also offered, leading to the award of an MA degree at pass level.

### 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 two subjects designed mainly for students from other Schools in the Faculty of Arts and from other faculties.

### German

Two first year subjects are offered, one for students who have studied German to the Higher School Certificate level and another for those with no previous knowledge

of the language. By intensive study during term and vacation students in the second category are expected to reach the same standard as those in the first by the end of third year. In the later years of the course students may choose from a wide range of options in practical language work, literature, linguistics, medieval German, history and culture. A formal graduate course (820) is also offered, leading to the award of an MA degree at pass level.

### History

The History course is concerned with aspects of modern history: Asian, Australian, British, European, International and American. Concurrently it deals with approaches to problems of historical explanation, and with techniques for dealing with source materials. In the honours year there is an in-depth treatment of historiography. A formal graduate course (818) 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 and its cultural, socio-economic and political impact 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 (397) as well as in Arts (340). It can also be taken as part of the Science (Education) course (406).

### 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 (397).

A formal graduate course (819) 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 relations. 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 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 units 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 two Upper Level units 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 both of the units may be included in a sequence within the School of History.

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## Faculty of Biological Sciences

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### 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 (397). Medical students may also interrupt their course to specialize in Biochemistry for the award of the additional degree of Bachelor of Science (Medicine) (381).

### 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 (397). 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) (532), and the Master of Science (Biotechnology) course (826). Various graduate level subjects can be included in the Graduate Diploma in Current Science (552) 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 (397).

### 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 (397), and medical students may specialize in it in the Bachelor of Science (Medicine) course (381). 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, and specifically in clinical, correctional, educational, and industrial settings. The core course is designed to cover basic psychological processes such as learning and perception, as well as physiological psychology, social psychology, research methods and instrumentation. 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 (343) 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 (397) or the four-year Psychology Honours course in Arts (340). Science or Arts students not wishing to specialize may take courses in psychology at the pass level.

There is also a formal graduate course (825), 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 (397) 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 (397).

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## Faculty of Commerce

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### 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 (351), 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 (353), Economic History (359), Econometrics (356), combined Economics/Econometrics (358), Industrial Relations (355), and Marketing (349). Accounting and Financial Management is also one of the specializations in the combined Commerce/Law course (473).

There are two formal graduate courses, the Master of Commerce (Honours) (263), which involves both research and course work and the Master of Commerce (847), 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 (353), Econometrics (356), Economics/Econometrics (358), Economic History (359) and Industrial Relations (355). Economics is also a major study in the Arts course (340).

There are several formal graduate courses: the Master of Commerce (Honours) by research and course work in Economic History (259), Econometrics (260), Economics (264) and Industrial Relations (254); and the Master of Commerce by course work alone (847).

### 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 (349), 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.

There are two formal graduate courses: the Master of Commerce (Honours) (253) by research and course work and the Master of Commerce (847) by course work alone.

## Faculty of Engineering

There are four Schools offering undergraduate engineering 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.

Two Schools offer graduate courses only. They are Nuclear Engineering and Transport and Highways. 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 contributes to the Graduate Diploma course in Human Communication (544), offered by the Division of Postgraduate Extension Studies.\*

### Civil Engineering

Civil Engineering is concerned with the improvement of the environment, with the design and construction of water supply and conservation works, hydro-electric developments, highways, railways, bridges, tunnels, buildings, irrigation, sewerage and harbour and river developments. The undergraduate course leading to the award of the BE (362) degree may be taken full-time, part-time or by a combination of the two. There is a formal graduate course leading to the Master of Engineering Science (861).

### 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 (364), the part-time BSc(Eng) (365), 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 (372) 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 minor study in the Science and Mathematics course (397). There is one formal graduate course leading to the award of the Master of Engineering Science (850).

### 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 (361 and 360), Industrial Engineering (366 and 367), Mechanical Engineering (368 and 369) and Naval Architecture (370 and 371). 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 (853) and in Mechanical Engineering (854), and the Graduate Diploma in Industrial Engineering (545).

### Nuclear Engineering

Nuclear Engineering is concerned with the design and operation of nuclear reactors, and with the utilization of nuclear energy, its cost and economics. There is one formal graduate course, leading to the award of the Master of Engineering Science (855) degree.

### Surveying

Surveying adds the study of geodesy, photogrammetry, astronomy and land studies to its foundations in the basic sciences. The four-year, full-time and the seven-year, part-time courses (374) allow for extensive professional experience in the final year. The part-time course is being progressively replaced by a sandwich course (375), which consists of full-time University attendance for one session each year and full-time employment for the remainder of the year. There is one formal graduate course, leading to the award of the Master of Surveying Science (865) degree.

### 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 amalgamation of the long established Schools of Transportation and Traffic and Highway Engineering into the new School of Transport and Highways permits greater flexibility in the choice of graduate programs leading to the award of the Master of Engineering Science degree (860). The School continues to offer graduate

\*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 (547), and for more flexibility in the graduate diploma courses in Highway Engineering, Human Communication, Industrial Engineering and Transport. Students are advised to consult the Graduate School of Engineering Handbook.



diplomas in Highway Engineering (543) and Transport (546) 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.

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## Faculty of Law

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### 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 (478), 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 (476), Commerce (Accounting, Finance and Systems)/Law (473), Commerce (Economics)/Law (474), Commerce (Industrial Relations)/Law (475) and Science/Law (477). There is also a full-time Bachelor of Laws course (479) available only to graduates or graduands; and a Bachelor of Jurisprudence course (472), 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 (479), may be taken part-time, and enrolment in this is limited.

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## Faculty of Medicine

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Within the Faculty of Medicine the nine Schools listed below contribute to the Bachelor of Medicine Bachelor of Surgery course (380) 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) (381). In the new five year medical course the disciplines listed below wherever possible are taught in an integrated manner.

### 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 (380). Anatomy may also be taken as a major study in the Science course (397).

### Community Medicine

Community Medicine is concerned with the study of community health and with the medical sciences in the community and 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 (380).

### 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.

Medicine is taught in Year 6 and the School contributes to the teaching of Clinical Studies, Integrated Clinical Studies and Medical Science in the Bachelor of Medicine Bachelor of Surgery degrees course (380).

### 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 (380).

### 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 in the Bachelor of Medicine Bachelor of Surgery course (380).

### 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 (380).

### 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 (380).

### 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 psychotherapy.

The School teaches the subject entitled *Psychiatry* and is responsible for Human Behaviour in the Bachelor of Medicine Bachelor of Surgery course (380).

### Surgery

Surgery is taught in Year 6 and contributes to the teaching of Clinical Studies, Integrated Clinical Studies and Medical Science in the Bachelor of Medicine Bachelor of Surgery degrees course (380). 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.

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## Faculty of Professional Studies

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### 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 (407) and Science Education (408), the Bachelor of Science (Industrial Arts) Diploma in Education (401) and the Wool and Pastoral Science (Education Option) (321). 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 three formal graduate courses, the Master of Education (891), the Master of Counselling (Education) (895) and the Diploma in Education (556).

### 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 (404), and two formal graduate courses: the Master of Health Administration (890) and the Master of Health Planning (894).

### 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 (401) 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 (557) is available to qualified persons wishing to become professional industrial designers in the product design field.

### 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 (559), another in Archives Administration (560), and a Master of Librarianship (892), which provides education in broad areas of specialization beyond the basic professional level.

### Social Work

The Bachelor of Social Work degree course (403) is a preparation for the professional practice of social work. Social work is directed towards problem-solving in the area of social relationships by promoting the effective interaction of individuals, groups, organizations and communities. Its methods are social casework, social group work, community work, administration and research. An important part of the course involves supervised learning in the field, usually in a social work agency. Formal study may be continued by way of the Master of Social Work course (893).

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## Faculty of Science

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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 (391) and the School of Optometry offers a course leading to the Bachelor of Optometry (395). At the graduate level all schools in the Faculty contribute units to the Diploma in Current Science (552) 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 (395), 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 (876).

### 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 (397), the Pure and Applied Chemistry Course (391), and the courses in combined Science/Laws (477) and in Science (Education) (406). 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 (877) and the Diploma in Food and Drug Analysis (551).

### 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 (397) or the Arts course (340). There are three formal graduate courses: a Master of Mathematics (874) and a Master of Statistics (875) offered by the Faculty of Science and an MA degree course (816) 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 in Solid State.

Physics may be taken as a major or a minor study in the Science and Mathematics course (397) and in the course in Science Education (408). Programs of study are available in applied physics, physics or theoretical physics.

Applied physics is concerned with the application of physical science to the solution of technological problems, notably in regard to materials and to instrumentation (measurement science).

Theoretical physics 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.

There is one formal graduate course: the Master of Physics (873).

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### Australian Graduate School of Management

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Graduate courses in management leading to the degree of Master of Business Administration (835) or Master of Public Administration (836) 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.

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### Board of Studies in Science and Mathematics

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The Board supervises the Science and Mathematics course (397) 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, Surgery (Medicine); Education (Professional Studies); and the Department of General Studies (Board of Studies in General Education). Additional programs are available in Marine Sciences.

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### Board of Studies in General Education

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#### 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.

A graduate course (910) is available, leading to the award of the degree of Master of General Studies.

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### Identification of Subjects by Number

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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 and the required textbook list, in the section entitled *Subject Descriptions*.

The identifying numbers for each School are set out below.

School, Department etc	Faculty	School, Department etc	Faculty
1 School of Physics	Science	42 School of Biological Technology	Biological Sciences
2 School of Chemistry	Science	43 School of Botany	Biological Sciences
3 School of Chemical Engineering	Applied Science	44 School of Microbiology	Biological Sciences
4 School of Metallurgy	Applied Science	45 School of Zoology	Biological Sciences
5 School of Mechanical and Industrial Engineering	Engineering	50 School of English	Arts
6 School of Electrical Engineering	Engineering	51 School of History	Arts
7 School of Mining Engineering	Applied Science	52 School of Philosophy	Arts
8 School of Civil Engineering	Engineering	53 School of Sociology	Arts
9 School of Wool and Pastoral Sciences	Applied Science	54 School of Political Science	Arts
10 School of Mathematics	Science	55 School of Librarianship	Professional Studies
11 School of Architecture	Architecture	56 School of French	Arts
12 School of Psychology	Biological Sciences	57 School of Drama	Arts
13 School of Textile Technology	Applied Science	58 School of Education	Professional Studies
14 School of Accountancy	Commerce	59 School of Russian	Arts
15 School of Economics	Commerce	62 School of History and Philosophy of Science	Arts
16 School of Health Administration	Professional Studies	63 School of Social Work	Professional Studies
17 Biological Sciences	Biological Sciences	64 School of German	Arts
18 Department of Industrial Engineering	Engineering	65 School of Spanish and Latin American Studies	Arts
21 Department of Industrial Arts	Professional Studies	66 Subjects Available from Other Universities	
22 School of Chemical Technology	Applied Science	68 Board of Studies in Science and Mathematics	Board of Studies in Science and Mathematics
23 School of Nuclear Engineering	Engineering	70 School of Anatomy	Medicine
24 School of Transport and Highways	Engineering	71 School of Medicine	Medicine
25 School of Applied Geology	Applied Science	72 School of Pathology	Medicine
26 Department of General Studies	Board of Studies in General Education	73 School of Physiology and Pharmacology	Medicine
27 School of Geography	Applied Science	74 School of Surgery	Medicine
28 School of Marketing	Commerce	75 School of Obstetrics and Gynaecology	Medicine
29 School of Surveying	Engineering	76 School of Paediatrics	Medicine
30 Department of Behavioural Science	Commerce	77 School of Psychiatry	Medicine
31 School of Optometry	Science	79 School of Community Medicine	Medicine
33 Graduate School of Business	Commerce	80 Faculty of Medicine	
35 School of Building	Architecture	85 Australian Graduate School of Management	AGSM
36 School of Town Planning	Architecture	90 Faculty of Law	Law
38 School of Food Technology	Applied Science	97 Division of Postgraduate Extension Studies	
40 Professorial Board			
41 School of Biochemistry	Biological Sciences		

## 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 Regional Teacher Training Centre for Health Personnel, which is located within the Centre for Medical Education Research and Development, was established in 1973 by agreement between the World Health Organization, the University and the Australian Government. Its goal is to help raise the standards of health care in the Western Pacific Region, including Australia, by increasing the educational competence of teachers in health sciences. The Centre provides workshops and courses within Australia at both the national and international level, and by offering consultant services helps countries within the region to mount their own workshops and projects. One of its ultimate goals is to develop national teacher training centres in the countries of the Western Pacific Region. The establishment of such centres has already been achieved in Korea and the Philippines.

### Master of Health Personnel Education\*

The Centre offers a formal course leading to the award of the degree of Master of Health Personnel Education.

#### 900

### Master of Health Personnel Education MHPEd

The course is designed to increase the educational competence of teachers of health personnel, 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 course may be taken over two years on a part-time basis. There is a further requirement for both full-time and part-time candidates to undertake six months' approved field work, usually in the student's own country, and to submit a report on that field work.

		Hours per week	
		S1	S2
16.960G	Organization and Management for Health Personnel Education	2	0
33.344G	Educational Process in Small Groups	2	0
40.101G	Learning and Teaching	2	0
40.103G	Instructional Design	2	0
40.105G	Curriculum Planning	0	2
40.106G	Teaching Methods	0	2
40.107G	Evaluation	0	2
40.108G	Educational Change	0	2
		8	8

\*The course is administered by the Professorial Board. Details of the conditions for the award of the MHPEd degree appear later in this volume.

Candidates are required to complete a total of 8 credit points in Academic Electives and/or Independent Studies.

## Academic Electives

Academic Electives are designed to enable candidates to pursue their own academic interests or specialities by taking subjects, usually at a graduate level, either at the University of New South Wales or other approved institutions.

## 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.

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## Subject Descriptions

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### 16.960G Organization and Management for Health Personnel Education

Designed for students to critically evaluate existing organizational patterns relevant to health personnel education. The major schools of management thought (eg classical, human relations, contingency theory) through an analysis of the work of representative writers. An analysis of leadership, change and conflict in organizations.

### 33.344G Educational Process in Small Groups

Group processes and the effective use of groups for task performance, personal growth and self-directed learning. The role of primary and secondary groups in society and the growing importance of groups for accomplishing a variety of tasks, particularly in health education and health care. Theories of group structure and process, with emphasis on experiential learning. Attention to improving individual skills in listening, communicating, leading, counselling and consulting, and group skills in goal setting, team building, problem solving, conflict resolution and evaluation.

### 40.101G Learning and Teaching

Primarily the theoretical and practical aspects of human learning, Recent research on skill and concept acquisition, problem-solving, memory, and motivation. The effects of cultural and emotional factors in learning. Emphasis throughout on the skills required to identify and analyze the differences between individuals in their approach to a variety of learning tasks. Secondary focus on the nature of the connections between learning and teaching and the development of an ability to devise teaching procedures and environments which are appropriate to specific learning tasks.

### 40.103G Instructional Design

The derivation and justification of educational objectives, the planning for implementation of a course of instruction, the setting of standards for assessing student achievement, and the development of criteria for evaluating instruction. Includes task description and task analysis, delineation of entry and terminal behaviours, sequencing of instruction and choices of methods, measurement of achievement of objectives, and comparison of planned with actual instruction and outcomes.

### 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 Methods

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. Content units include: **1.** microteaching (reinforcement, questioning, explaining); **2.** matching teaching methods to course intentions as an integrated approach to teaching; **3.** individualized instruction and media; **4.** large group teaching methods.

### 40.107G Evaluation

How evaluation occurs in the health professions. Includes course examinations, grading, comprehensive examinations, teacher evaluation, instructional evaluation, the national question bank, and national studies of health education problems. Subject link with that on 40.108G Educational Change.

### 40.108G Educational Change

Aims to assist health educators plan, implement and evaluate change within an educational institution. In producing a proposal for educational change, students are required to specify an educational problem, elaborate a rationale, generate appropriate solutions, develop plans for implementing the proposed solutions and evaluate the outcomes. Critical issues include change agent ethics, ways and means of stabilizing change, and institutional self-renewal.

## **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.

## **40.110G Workshop in Culture, Sub-culture and Communication**

*An Academic Elective.* How culture controls thinking and behaviour and the meaning attached to the behaviour of others in professional/client and teacher/learner situations. The multi-cultural group of health professionals dealing with education uses its own intercultural experiences to reveal difficulties in communication and learning related to different teaching formats and styles, and studies the relation between sub-culture and health beliefs, including the sub-culture of the health professions, and the relationship of health, illness and solutions to culture and sub-culture.

## **40.111G Clinical Problem-solving, Judgement and Decision-making**

*An Academic Elective.* The nature of problems, the processes of solving problems, and specifically the nature and solving of clinical problems. Topics include: the reasoning steps in the clinical process, the possible search strategies and the utility of models of the process; the value of diagnostic information in the reduction of uncertainty, and the nature of clinical judgement and models of judgement; calculation of value and expected value for different treatment decisions; identification of the human and normative factors affecting such decisions; the clinical, educational and research implications of current studies on the professional/client interaction. Extensive readings are provided during the course, and seven assignments are required.

## **40.112G Media in Communication**

*An Academic Elective.* A workshop structure, dealing with individual problems of students in the planning, implementation and evaluation of the use of media for large group or individual instruction.

Topics include: basic principles of human information processing, the basis of visual communication, design principles for instruction using media, learner characteristics which influence learning from instruction using media and the classification and use of instructional media.

## **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.



# 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
Doctor of Science	DSc	Calendar
Doctor of Letters	DLitt	Calendar
Doctor of Laws	LLD	Calendar

## Higher Degrees

Title	Abbreviation	Calendar/Handbook
<b>Doctor of Medicine in the Faculty of Medicine</b>	<b>MD</b>	<b>Calendar Medicine</b>
<b>Doctor of Philosophy</b>	<b>PhD</b>	<b>Calendar and all faculties</b>
Master of Applied Science	MAppSc	Applied Science
Master of Architecture	MArch	Architecture
Master of Arts	MA(Hons)	Arts
	MA	Military Studies
		Arts
		Military Studies
Master of Building	MBuild	Architecture
Master of Business Administration	MBA	AGSM
Master of Chemistry by Formal Course Work	MChem	Sciences*
Master of Commerce (Honours)	MCom(Hons)	Commerce
Master of Commerce by Formal Course Work	MCom	Commerce
Master of Counselling (Education)	MCouns(Ed)	Professional Studies
Master of Education	MEd	Professional Studies
Master of Engineering	ME	Applied Science
Master of Engineering without Supervision		Engineering
		Military Studies
		Sciences*
Master of Engineering Science	MEngSc	Engineering
Master of General Studies	MGGenStud	General Studies
Master of Health Administration	MHA	Professional Studies
<b>Master of Health Personnel Education</b>	<b>MHPed</b>	<b>Calendar†</b>
Master of Health Planning	MHP	Professional Studies
Master of Landscape Architecture	MLArch	Architecture
Master of Laws by Research	LLM	Law
Master of Librarianship by Formal Course Work	MLib	Professional Studies
Master of Librarianship by Research		
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		Engineering
		Medicine
		Military Studies
		Professional Studies
		Sciences*‡
Master of Science (Acoustics)	MSc(Acoustics)	Architecture
Master of Science and Society by Formal Course Work	MScSoc	Sciences*
Master of Science (Biotechnology)	MSc(Biotech)	Sciences‡
Master of Science (Building)	MSc(Building)	Architecture
Master of Science (Building Services)	MSc(Building Services)	Architecture**

Title	Abbreviation	Calendar/Handbook
Master of Social Work by Research	MSW	Professional Studies
Master of Social Work by Formal Course Work		
Master of Statistics	MStats	Sciences*
Master of Surgery	MS	Medicine
Master of Surveying	MSurv	Engineering
Master of Surveying without Supervision		
Master of Surveying Science	MSurvSc	Engineering
Master of Town Planning	MTP	Architecture
Graduate Diploma	GradDip	Applied Science Architecture Engineering Sciences*‡
Graduate Diploma in the Faculty of Professional Studies	DipArchivAdmin DipEd DipLib GradDip	Professional Studies

**Graduate Diplomas**

\*\*Not available to new students.

\*Faculty of Science.

†Professorial Board.

‡Faculty of Biological Sciences.

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\*.

**Doctor of Science (DSc)**

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.

#### Doctor of Letters (DLitt)

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.

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.

**Doctor of Medicine  
(MD) in the Faculty  
of Medicine**

**Qualifications**

**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.

**2.** A candidate before being eligible for the degree of Doctor of Medicine shall:

(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.

**Thesis**

**7.** Where a candidate elects to proceed to the degree by thesis he shall lodge an application with the Registrar on the prescribed form.

**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.

**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:

#### **Published Work**

- (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.

**Fees**

**21.** A candidate shall be required to pay such fees as may be determined from time to time by the Council.

**Doctor of  
Philosophy (PhD)**

**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:

**Qualifications**

**2.** A candidate for registration for the degree of Doctor of Philosophy shall:

- (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 he 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 recognized by the appropriate Faculty or Board of Studies 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 Faculty or Board of Studies.

**3.** When the Faculty or Board of Studies is not satisfied with the qualifications submitted by a candidate, the Faculty or Board of Studies may require him, before he is permitted to register, to undergo such examination or carry out such work as the Faculty or Board of Studies may prescribe.

**Registration**

**4.** A candidate for registration for a course of study leading to the degree of Doctor of Philosophy shall:

- (1) apply to the Registrar on the prescribed form at least one calendar month before the commencement of the session in which he desires to register; and
- (2) submit with his application a certificate from the head of the University school in which he proposes to study stating that the candidate is a fit person to undertake a course of study and research leading to the degree of Doctor of Philosophy and that the school is willing to undertake the responsibility of supervising the work of the candidate and of reporting to the Faculty or Board of Studies at the end of the course on the merits of the candidate's performance in the prescribed course.

**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 his degree, who before registration was engaged upon research to the satisfaction of the Faculty or Board of Studies, may be exempted from not more than two academic sessions;
- (2) in special circumstances the Faculty or Board of Studies may grant permission for the candidate to spend not more than one calendar year of his program in advanced study and research at another institution provided that his work can be supervised in a manner satisfactory to the Faculty or Board of Studies;
- (3) in exceptional cases, the Professorial Board on the recommendation of the Faculty or Board of Studies 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 himself for examination not later than ten academic sessions from the date of his registration. A candidate not fully engaged in research shall present himself for examination not later than twelve academic sessions from the date of his registration. In special cases an extension of these times may be granted by the Faculty or Board of Studies.

**7.** The candidate shall be required to devote his whole time to advanced study and research, save that:

(1) the Faculty or Board of Studies may permit a candidate on application 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 Faculty or Board of Studies shall prescribe a minimum period for the duration of the program;

(3) in special circumstances, the Faculty or Board of Studies 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 his program in a school of the University. In such a case the Faculty or Board of Studies shall prescribe for the duration of his program a minimum period which, in its opinion, having regard to the proportion of his time which he 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 his program under the direction of a supervisor appointed by the Faculty or Board of Studies 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 Faculty or Board of Studies may permit candidates to conduct their 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 his research for approval by the Faculty or Board of Studies. After the topic has been approved it may not be changed except with the permission of the Faculty or Board of Studies.

**10.** A candidate may be required by the Faculty or Board of Studies to attend a formal course of study appropriate to his work.

**11.** On completing his course of study every candidate must submit a thesis which complies with the following requirements:

**Thesis**

(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 his research. In special cases work done conjointly with other persons may be accepted, provided the Faculty or Board of Studies is satisfied on the candidate's part in the joint research.

**13.** Every candidate shall be required to submit with his 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 his thesis any work or material which he has previously submitted for a university degree or other similar award.

**Entry for  
Examination**

**15.** The candidate shall give in writing two months' notice of his intention to submit his thesis and such notice shall be accompanied by the appropriate fee.

**16.** Four copies of the thesis shall be submitted together with a certificate from the supervisor that the candidate has completed the course of study prescribed in his case. The 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.

**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 Faculty or Board of Studies, at least one of whom shall be an external examiner.

**19.** After examining the thesis the examiners may:

- (1) decide that the thesis reaches a satisfactory standard; or
- (2) recommend that the candidate be required to re-submit his thesis in revised form after a further period of study and/or research; or
- (3) recommend without further test that the candidate be not awarded the degree of Doctor of Philosophy.

**20.** If the thesis reaches the required standard, the examiners shall arrange for the candidate to be examined orally, and, at their discretion, by written papers and/or practical examinations on the subject of the thesis and/or subjects relevant thereto, save that on the recommendation of the examiners the Faculty or Board of Studies may dispense with the oral examination.

**21.** If the thesis is of satisfactory standard but the candidate fails to satisfy the examiners at the oral or other examinations, the examiners may recommend the University to permit the candidate to represent the same thesis and submit to a further oral, practical or written examination within a period specified by them but not exceeding eighteen months.

**22.** At the conclusion of the examination, the examiners will submit to the Faculty or Board of Studies a concise report on the merits of the thesis and on the examination results, and the Faculty or Board of Studies shall recommend whether or not the candidate may be admitted to the degree.

**23.** A candidate shall be required to pay such fees as may be determined from time to time by the Council.

†See later.

1. The degree of Master of Health Personnel Education (MHPEd) may be awarded by the Council on the recommendation of the Professorial Board to a candidate who has satisfactorily completed a program of advanced study comprising formal course work and the preparation of a project report to the satisfaction of the Professorial Board Committee on Health Personnel Education (hereinafter referred to as the Committee)\*.

## Master of Health Personnel Education (MHPEd)

2. An applicant for registration for the degree shall:

### Qualifications

(1) 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

(2) 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.

3. 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.

4. 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.

5. (1) An application to register as a candidate shall be made on the prescribed form which shall be lodged with the Registrar at least six (6) weeks before the commencement of the session in which the candidate desires to commence registration.

### 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 project.

(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.

6. (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.

### Project

(2) The work involved in the project may, with the approval of the Committee, be carried out externally to the University.

(3) (a) The report shall be examined by two examiners appointed by the Professorial Board on the recommendation of the Committee.

(b) A candidate may be required to undertake an oral or written examination as arranged by the Committee.

7. Consequent upon consideration of the examiners' reports and the candidate's other results in the prescribed course of study, the Committee shall recommend to the Professorial Board whether the candidate may be admitted to the degree.

### Recommendation for Admission to Degree

8. An approved candidate shall pay such fees as may be determined from time to time by the Council.

### Fees

\*For details, see **Course Outline** earlier in this volume.

## Preparation and Submission of Project Reports and Theses for Higher Degrees

1. (1) A candidate for the degree of Master who is required to submit a report on a project shall provide two copies, or three copies if a copy is to be lodged in the University Library, of the report to:

(a) his supervisor (degrees of MA, MEd [pass reports only], MEngSc [9 credit point projects only], MBA, MChem, MSurvSc [9 credit point projects only]), MOptom, MPhysics, MPychol, MSc(Biotech), MStats or

(b) the Registrar (all other degrees).

Candidates for the degree of Master of Education, Engineering Science (18 and 36 credit point projects), Surveying Science (18 and 36 credit point projects), Health Administration, Librarianship, Psychology, Science (Acoustics), and Science (Building) shall submit a Library copy of the project report presented and bound in the prescribed manner.

All copies shall contain a short 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. 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.

## **Policy with respect to the Use of Higher Degree Theses**

### **Declarations Controlling Use of 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.

In order to ascertain the wishes of a candidate for a higher degree regarding the use to which his thesis may be put, he is required to complete a declaration (obtainable from the Registrar) which would **1.** grant the University Librarian permission to publish or to authorize the publication of the thesis (Form 1); **2.** withhold the right of the University Librarian to publish the thesis (Form 2); or **3.** allow the University Librarian to publish the thesis under certain conditions (Form 3).

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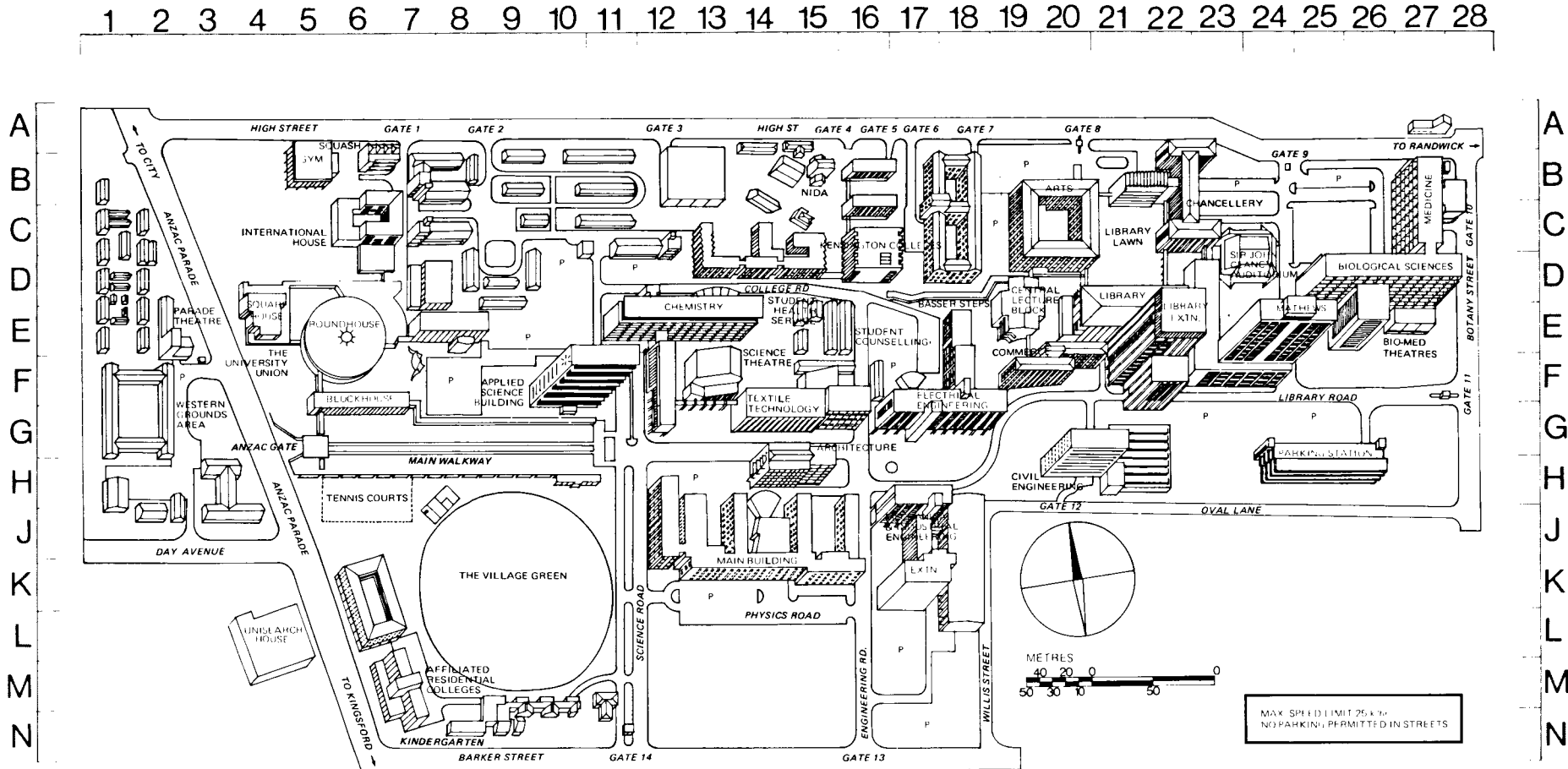
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 Mining Engineering K15  
 Music B11  
 National Institute of Dramatic Art C15  
 Nuclear Engineering F18  
 Optometry H12  
 Pathology C27  
 Patrol and Cleaning Services F20  
 Philosophy C20  
 Physics K13  
 Physical Education and  
 Recreation Centre (PERC) B5  
 Physiology and Pharmacology C27  
 Political Science C19  
 Postgraduate Committee  
 in Medical Education B27  
 Postgraduate Extension Studies  
 (Closed Circuit Television) F19  
 Postgraduate Extension Studies  
 (Radio Station and Administration) F23  
 Psychology F23  
 Public Affairs Unit C23  
 Regional Teacher Training Centre D26  
 Russian D20  
 Science (Faculty Office) F23  
 Social Work F1  
 Sociology C20  
 Spanish and Latin American Studies D19  
 Student Amenities and Recreation E15  
 Student Counselling and Research E16  
 Student Employment C22  
 Student Health E15  
 Students' Union E4  
 Surveying (Extension) K17  
 Teachers' College Liaison Office F16  
 Tertiary Education Research Centre E16  
 Textile Technology G14  
 Town Planning K15  
 University Union (Blockhouse) G6  
 Wool and Pastoral Sciences B8  
 Zoology D26





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, Professional Studies and Sciences are \$2.50. Architecture, Law, Medicine and AGSM are \$1.50. Postage is 40c in each case. The exception is General Studies, which is free.