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UNIVERSITY OF NEW SOUTH WALES 378.94405
Board of Vocational Studies


University of New South Wales — Board of Vocational Studies — Periodicals
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INTRODUCTION

The Board of Vocational Studies was established for the purpose of supervising the teaching and examination of subjects which are primarily concerned with vocational training and which do not lend themselves to incorporation in the existing Faculty structure. Membership of the original Board was restricted, but as responsibilities increased with the expanded number of courses offered, it was decided, in 1970, to reconstitute the Board. The Board of Vocational Studies now functions on lines very similar to those of the normal university faculty, and the Board is responsible for all courses in the Schools of Education, Health Administration, Librarianship, Social Work, and the Department of Industrial Arts.

Students should note that since 1971 they have had three elected representatives on the Board of Vocational Studies. Members of the Board are aware of the contribution which student members can make to the activities of the Board; they welcome students as observers at their meetings.

This handbook provides information concerning the requirements for admission, enrolment and re-enrolment, conditions for the award of degrees, course structures, subject descriptions and the textbook requirements. It is important that students become well acquainted with the information presented here, and if there is any difficulty they should consult the University's Admissions Office (Ground Floor, Chancellery) or their School Office.

A. H. Willis
PRO-VICE-CHANCELLOR
BOARD OF VOCATIONAL STUDIES
CALENDAR OF DATES FOR 1973

Session 1: March 5 to May 12  
May Recess: May 13 to May 20  
May 21 to June 16  
Midyear Recess: June 17 to July 22  
Session 2: July 23 to August 11  
August Recess: August 12 to August 26  
August 27 to November 10

JANUARY
Friday, 12 Last date for application for review of results of annual examinations  
Monday, 15 Last day for acceptance of applications for admission to university degrees and diplomas  
Friday, 19 Last day for application for deferred examinations  
Last day for acceptance of applications to enrol by new students and students repeating first year  
Monday, 29 Australia Day—Public Holiday  
Tuesday, 30 Deferred examinations begin

FEBRUARY
Saturday, 10 Deferred examinations end  
Monday, 19 Enrolment period begins for new students and students repeating first year  
Monday, 26 Enrolment period begins for students re-enrolling (second and later years)

MARCH
Friday, 2 Last date for application for review of deferred examination results  
Monday, 5 Session 1 commences  
Friday, 16 Last day for acceptance of enrolments by new students (late fee payable)  
Friday, 30 Last day for changes in course programmes  
Last day for acceptance of enrolments by students re-enrolling (late fee payable)

APRIL
Friday, 6 Last day for discontinuation without failure of subjects which extend over the first session only  
Tuesday, 10 Board of Vocational Studies meeting, 2 p.m.  
Thursday, 19 Last day for acceptance of corrected enrolment details forms
Friday, 20 to Monday, 23
Wednesday, 25

Easter

Anzac Day—Public Holiday

MAY

Monday, 7
Sunday, 13
Sunday, 20

Provisional timetable for June/July examinations published
May Recess begins
May Recess ends

Last date for discontinuation without failure of subjects which extend over the academic year

JUNE

Tuesday, 5
Friday, 8
Monday, 11
Saturday, 16
Sunday, 17
Tuesday, 19
Saturday, 30

Timetable for June/July examinations published
Board of Vocational Studies meeting, 2 p.m.
Queen’s Birthday—Public Holiday
Session 1 ends
Midyear Recess begins
Midyear examinations begin
Last day for acceptance of applications for re-admission after exclusion under rules governing re-enrolment

JULY

Tuesday, 3
Sunday, 22
Monday, 23

Midyear examinations end
Midyear recess ends
Session 2 begins

AUGUST

Thursday, 2
Tuesday, 7
Sunday, 12
Wednesday, 22
Friday, 24
Sunday, 26

Foundation Day
Board of Vocational Studies meeting, 2 p.m.
August Recess begins
Last day for acceptance of corrected enrolment details forms
Last date for discontinuation without failure of subjects which extend over the second session only
August Recess ends

SEPTEMBER

Monday, 10

Provisional timetable for annual examinations published

OCTOBER

Monday, 1
Tuesday, 23
Tuesday, 30

Eight Hour Day—Public Holiday
Board of Vocational Studies meeting, 2 p.m.
Timetable for annual examinations published

NOVEMBER

Saturday, 10
Tuesday, 13

Session 2 ends
Annual examinations begin
DECEMBER

Tuesday, 4 Annual examinations end
Tuesday, 25 Christmas Day—Public Holiday
Wednesday, 26 Boxing Day—Public Holiday

1974

Session 1: March 4 to May 19
May Recess: May 20 to May 26
May 27 to June 16
Midyear Recess: June 17 to July 21

Session 2: July 22 to August 25
August Recess: August 26 to September 1
September 2 to November 3
Study Recess: November 4 to November 10

JANUARY

Friday, 11 Last date for application for review of results of annual examinations
Monday, 14 Timetable for deferred examinations published
Tuesday, 15 Last date for application for admission to University degrees and diplomas
Friday, 18 Last date for application for deferred examinations
Tuesday, 29 to Saturday, 9 Deferred examinations

FEBRUARY

Monday, 18 Enrolment period begins for new students and students repeating first year
Monday, 25 Enrolment period begins for students re-enrolling (second and later years)
Results of deferred examinations available

THE ACADEMIC YEAR

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. In addition there are short recesses within the sessions—one week within Session 1 and two weeks within Session 2.

The first session commences on the first Monday of March.
BOARD OF VOCATIONAL STUDIES

Pro-Vice-Chancellor: Professor A. H. Willis
Chairman: Professor R. J. Lawrence

SCHOOL OF EDUCATION

Professor of Education and Head of School
L. M. Brown, MA MEd Syd., PhD Lond.

Professor of Science Education and Director of Science Teachers’ Courses
A. A. Hukins, MSc DipEd Syd., PhD Alta., MACE

Lecturers
R. M. Boyd, MA PhD Otago
M. C. Colless, BA DipEd Syd., BSc N.S.W.
C. J. Field, MA Syd.
C. F. Gauld, BSc DipEd PhD Syd.
B. C. Low, BSc BEd Qld.
P. H. Meade, MA LaT., BSc BEd Qld.
Mrs. Shelley Phillips, BA Melb.
K. Simpson, BA Monash, MA Macq.
Mrs. Shirley L. Smith, BA PhD Syd.

STAFF SECONDED FROM THE NEW SOUTH WALES DEPARTMENT OF EDUCATION

Lecturers
J. Fitzgerald, BA DipEd Syd., BLitt N.E., MA Macq.
K. A. Hambridge, BSc N.S.W.
P. D. Henderson, BSc DipEd Syd.
H. M. Mendham, BA N.E.
Shirley A. Storrer, BA Syd.
A. Williams, MA Syd.

SCHOOL OF HEALTH ADMINISTRATION

Professor and Head of School
G. R. Palmer, BSc Melb., MEc Syd., PhD Lond., FSS

Senior Lecturers
J. C. H. Dewdney, BA MB BS Melb., DPH Lond., FACMA
J. R. B. Green, ARIBA, AADipl.
Lecturers
Mrs Erica Bates, BA DipSocStud Syd., PhD N.S.W.
S. S. W. Davis, LLM Syd.
C. Grant, MA Oxon., AHA
C. J. Williams, MA Camb., DSA Manc.
Tutor
Mrs. Audrey Ferguson, BA DipSocStud Syd.

DEPARTMENT OF INDUSTRIAL ARTS

Associate Professor
L. M. Haynes, BA MEd Syd., FRSA, FBPsS, FAIM, MACE

Lecturers
K. A. Lodge, BE Syd., SAEA
O. C. McMichael, MSc N.S.W., ASTC

Senior Instructors
H. E. Larsen, DipDesign (Copenhagen)
B. N. Loftus, GradDip N.S.W., AWAIT, LIDIA

Professional Officer
Janice M. Waddell, BA Melb.

SCHOOL OF LIBRARIANSHIP

Professor of Librarianship and Head of School
Wilma Radford, BA MEd Syd., BS Col., FLAA

Senior Lecturer
Mrs. Margaret Trask, BA N.E., MLib N.S.W., ALAA

Lecturers
Carmel Maguire, BA Qld., ALAA
J. R. Nelson, MA Syd., ALAA

Senior Tutor
Jennifer Affleck, BA Syd., DipLib N.S.W., ALAA

SCHOOL OF SOCIAL WORK

Professor of Social Work and Head of School
R. J. Lawrence, BA DipSocS Adel., MA Oxon., PhD A.N.U.

Senior Lecturers
G. Audrey Rennison, MA Camb., CertSocSci & Admin. L.S.E.

Lecturers
Mrs. Claire Bundey, BA N.S.W., DipSocStud Syd.
C. M. R. Cornwell, BA BSocStud Qld.
Senior Tutors
M. D. Horsburgh, BA DipSocW Syd.

Tutors
N. J. Kelk, BA BSocSt Qld.

Administrative Assistant
Patricia McPaul, BA DipSocWk Syd.
GENERAL INFORMATION

ADMISSIONS OFFICE

The Admissions Office which is located in the Chancellery on the upper campus provides intending students (both local and overseas) with information regarding courses, admission requirements, scholarships and enrolment. Office hours are from 9.00 a.m. to 1.00 p.m. and 2.00 p.m. to 5.00 p.m. Monday to Friday and an evening service is provided during the enrolment period.

Applications for special admission, admission with advanced standing and from persons relying for admission on overseas qualifications should be lodged with the Admissions Office. 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 lodgment of applications are adhered to, and, for further details the sections on “Rules Relating to Students” and “Enrolment Procedure for Undergraduate Courses” should be consulted.

Applications for admission to undergraduate courses from students who do not satisfy the requirements for admission (see section on “Requirements for Admission”), from students seeking admission with advanced standing, and from students who have had a record of failure at another university, are referred by the Admissions Office to the Admissions Committee of the Professorial Board.

Students seeking to register as higher degree candidates should discuss their proposals initially with 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 the 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 courses at the University may be obtained from the Admissions Office or the Metropolitan Universities Admissions Centre.

Persons 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, Third Floor, 13-15 Wentworth Avenue (near Museum Station), Sydney (P.O. Box 7049 G.P.O. 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 and complete their enrolment at the Enrolment Bureau, Unisearch House, 221 Anzac Parade, Kensington.

Bachelor of Social Work—Since personal qualities are of particular significance in the practice of social work, it has been found useful for intending students to be interviewed by a member of staff in the School of Social Work at some stage prior to enrolment.

Matriculation requirements are the same as for the Faculty of Arts.

REQUIREMENTS FOR ADMISSION

A person who seeks to become a candidate for any degree of Bachelor of the University must first have qualified for matriculation and have satisfied the requirements for admission to the particular Faculty, course or subject chosen.

In addition to complying with these conditions candidates must be selected before being permitted to enrol in a course. In 1973 it will 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 Registrar.

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 on the payment of the prescribed fee.
SECTION A

GENERAL MATRICULATION AND ADMISSION REQUIREMENTS

1. A candidate may qualify for matriculation by attaining in recognised matriculation subjects at one New South Wales Higher School Certificate Examination or at one University of Sydney Matriculation Examination a level of performance determined by the Professorial Board from time to time.

2. The level of performance required to qualify for matriculation shall be
   (a) passes in at least five recognised matriculation subjects, one of which shall be English and three of which shall be at Level 2 or higher;
   and
   (b) the attainment of an aggregate of marks, as specified by the Professorial Board, in not more than five recognised matriculation subjects, such marks being co-ordinated in a manner approved by the Board.

3. The following subjects, and such other subjects as may be approved by the Professorial Board from time to time, shall be recognised matriculation subjects:—

<table>
<thead>
<tr>
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<td>English</td>
<td>Greek</td>
<td>Chinese</td>
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<tr>
<td>Mathematics</td>
<td>Latin</td>
<td>Japanese</td>
</tr>
<tr>
<td>Science</td>
<td>French</td>
<td>Hebrew</td>
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<td>Agriculture</td>
<td>German</td>
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<td>Modern History</td>
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<td>Ancient History</td>
<td>Bahasa Indonesia</td>
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<td>Geography</td>
<td>Spanish</td>
<td>Industrial Arts</td>
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<tr>
<td>Economics</td>
<td>Russian</td>
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</tbody>
</table>

4. A candidate who has qualified to matriculate in accordance with the provisions of Clauses 1, 2 and 3 may be admitted to a particular Faculty, Course or Subject provided that:—
   (a) his qualification includes a pass at the level indicated in the subject or subjects specified in Schedule A as Faculty, Course or Subject Pre-Requisites;
   or
   (b) the requirements regarding these particular Faculty, Course or Subject Pre-Requisites, as specified in Schedule A, have been met at a separate Higher School Certificate or University of Sydney Matriculation Examination.
5. Notwithstanding any of the provisions of Clauses 1 to 4, the Professorial Board may grant matriculation status to any candidate at the Higher School Certificate or University of Sydney Matriculation Examination who has reached an acceptable standard and may admit him to any Faculty, Course or Subject.

NOTE
1. For the purposes of Clause 2 (a), Mathematics and Science BOTH PASSED at First Level or Second Level Full Course shall together count as three subjects.
2. For the purposes of Clause 2 (b), Mathematics and Science TAKEN either singly or together at First Level or Second Level Full Course shall each count as one and one half subjects.

SECTION B

SUPPLEMENTARY PROVISIONS FOR MATRICULATION

Notwithstanding the provisions of Section A above, candidates may be accepted as “matriculated students” of the University under the conditions which are listed in the University Calendar.
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<th>FACULTY OR COURSE PRE-REQUISITES</th>
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<td>Applied Science (excl. Applied Geography and Wool</td>
<td>(a) Science at Level 2S or higher AND&lt;br&gt;    (b) either Mathematics at Level 2F or higher OR Mathematics at Level 2S, provided that the candidate's performance in this subject and his general level of attainment are at standards acceptable to the Professorial Board.</td>
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<tr>
<td>and Pastoral Sciences courses)</td>
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<tr>
<td>Biological Sciences</td>
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<td>Engineering</td>
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<tr>
<td>Industrial Arts Course</td>
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<tr>
<td>Medicine</td>
<td></td>
</tr>
<tr>
<td>Military Studies (Engineering course and Applied</td>
<td>(a) Science at Level 2S or higher AND&lt;br&gt;    (b) Mathematics at Level 2S or higher English at Level 2 or higher</td>
</tr>
<tr>
<td>Science</td>
<td></td>
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<tr>
<td>Bachelor of Science (Education)</td>
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<tr>
<td>Architecture</td>
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</tr>
<tr>
<td>Applied Geography and Wool and Pastoral Sciences</td>
<td>(a) Science at Level 2S or higher AND&lt;br&gt;    (b) Mathematics at Level 2S or higher</td>
</tr>
<tr>
<td>courses (Faculty of Applied Science)</td>
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<tr>
<td>Arts</td>
<td>(a) Mathematics at Level 2S or higher AND&lt;br&gt;    (b) either English at Level 2 or higher OR English at Level 3, provided that the candidate's performance in this subject and his general level of attainment are at standards acceptable to the Professorial Board.</td>
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<tr>
<td>Social Work Degree Course</td>
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<tr>
<td>Commerce</td>
<td>(a) Mathematics at Level 2S or higher AND&lt;br&gt;    (b) either English at Level 2 or higher OR English at Level 3, provided that the candidate's performance in this subject and his general level of attainment are at standards acceptable to the Professorial Board.</td>
</tr>
<tr>
<td>Law</td>
<td>Nil As for Arts As for Commerce Nil</td>
</tr>
<tr>
<td>Combined Arts/Law</td>
<td>English at Level 2 or higher; OR English at Level 3, provided that the candidate's performance in this subject and his general level of attainment are at standards acceptable to the Professorial Board, and provided that a candidate so qualified shall not enrol in a course in English literature.</td>
</tr>
<tr>
<td>Combined Commerce/Law</td>
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<td>Combined Jurisprudence/Law</td>
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<tr>
<td>Military Studies (Arts Course)</td>
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1.001—Physics I  
1.041—Physics IC | As for Faculty of Science |
| 2.001—Chemistry I  
17.001—General and Human Biology  
25.001—Geology I  
25.111—Geoscience I | Science at Level 2S or higher |
| 10.011—Higher Mathematics I | Mathematics at Level 2F or higher |
| 10.001—Mathematics I | Either Mathematics at Level 2F or higher OR Mathematics at Level 2S, provided that the candidate's performance in the subject and his general level of attainment are at standards acceptable to the Professorial Board. |
| 10.021—Mathematics IT | Mathematics at Level 2S or higher |
| 15.102—Economics II | As for Faculty of Commerce |
| 50.111—English  
51.111—History IA  
51.121—History IB | English at Level 2 or Higher |
| 56.111—French I | French at Level 2 or higher |
| 59.111—Russian I | Russian at Level 2 or higher |
| 64.111—German I | German at Level 2 or higher |
| 65.111—Spanish I | Spanish at Level 2 or higher |
| 59.001—Russian IZ  
64.001—German IZ  
65.001—Spanish IZ | A foreign language, other than that in which enrolment is sought, at Level 2 or higher |
ENROLMENT PROCEDURE

Before enrolling in any of the courses supervised by the Board of Vocational Studies, intending students should contact the School or Department concerned.

UNDERGRADUATE COURSES

FIRST ENROLMENTS:

(a) New South Wales residents already qualified for admission and persons who are applying for enrolment on the basis of qualifications gained or about to be gained outside New South Wales must lodge an application for enrolment with the Metropolitan Universities Admissions Centre, 13-15 Wentworth Avenue, Sydney (P.O. Box 7049 G.P.O., Sydney) by 27th October, 1972.

(b) New South Wales residents qualifying for admission by the 1972 New South Wales Higher School Certificate Examination or the 1973 Sydney University Matriculation Examination and those who have attended a University in New South Wales in 1972 must apply for enrolment to the Metropolitan Universities Admissions Centre, 13-15 Wentworth Avenue, Sydney (P.O. Box 7049 G.P.O., Sydney) by 19th January, 1973.

Completion of Enrolment

Students whose applications for enrolment are accepted will be required to complete their enrolment at a specified appointment time before the start of Session 1. Fees must be paid on the day of the appointment. However, in special circumstances and provided class places are still available students may be allowed to complete their enrolment after the prescribed week subject to the payment of a late fee.

Failure in First Year

First year students who failed more than half their programme at the 1972 Annual Examinations and who were not granted any deferred examinations will NOT follow the above procedure. They are required to ‘show cause’ why they should be allowed to continue in the course, and should await instructions in writing from the Registrar as to the procedure.
BOARD OF VOCATIONAL STUDIES

LATER YEAR ENROLMENTS

Bachelor of Science (Education)

Students will be re-enrolled in *Unisearch House* as follows:

- **Year II**  
  Wednesday, 28th February
  10.00 a.m. to 12.30 p.m.

- **Years III and IV**  
  Tuesday, 27th February
  10.00 a.m. to 12.30 p.m.

Industrial Arts Course

Students in the B.Sc. or B.Sc.(Tech.) degree course in Industrial Arts should attend *Hut 1, Western Grounds Area* for re-enrolment as follows:

- **All re-enrolling students**  
  Tuesday, 27th February,
  10.00 a.m. to 12 noon
  2.00 p.m. to 7.00 p.m.

Social Work Course (B.S.W.)

Students in the Bachelor of Social Work degree course should attend for re-enrolment at the *Seminar Room, Hut 34, Western Grounds Area*, in accordance with the following timetable:

**Full-time Courses**

**Year II**

- Students with surnames “A” to “K”  
  Tuesday, 27th February,
  9.30 a.m. to 12.30 p.m.

- Students with surnames “L” to “Z”  
  Tuesday, 27th February,
  2.00 p.m. to 5.00 p.m.

**Year III**

- Students with surnames “A” to “K”  
  Wednesday, 28th February,
  9.30 a.m. to 12.30 p.m.

- Students with surnames “L” to “Z”  
  Wednesday, 28th February,
  2.00 p.m. to 5.00 p.m.

**Year IV**

- Students with surnames “A” to “J”  
  Thursday, 1st March,
  9.30 a.m. to 12.30 p.m.

- Students with surnames “K” to “Z”  
  Thursday, 1st March,
  2.00 p.m. to 5.00 p.m.

**Part-time Course**

Re-enrolling Students at all stages  

**New Students with Advanced Standing**

**Miscellaneous Students**
Students who fail to attend personally will be required to attend one of the late enrolment sessions.

In exceptional cases—illness or absence interstate or overseas—students may seek written permission from the enrolling officer of the School of Social Work to attend a late enrolment session without penalty, provided such permission is granted before the specified re-enrolment session.

**LATE ENROLMENTS**

In the case of students enrolling late in the Bachelor of Social Work Course, the enrolment session will be from 5.00 p.m. to 6.00 p.m. on Wednesdays, 7th and 14th March, 1973 in the Waiting Room of Hut 34, School of Social Work, Western Grounds Area.

**POSTGRADUATE COURSES**

**Diploma in Education**

Rooms G37 Chancellery Extension G4
and Morven Brown Building
Wednesday, 14th February

“A” to “L” 10.00 a.m. to 12.30 p.m.
“M” to “Z” 2.00 p.m. to 4.30 p.m.

**Master of Education**

Room 253 Chancellery Extension
Friday, 16th February

3.00 p.m. to 5.00 p.m.

**Master of Health Administration and Graduate Diploma in Health Administration**

Room G36 The Chancellery
Friday, 2nd March

2.00 p.m. to 5.00 p.m.

**Graduate Diploma in Industrial Design**

Students wishing to enrol in the Graduate Diploma Course in Industrial Design are required to apply for admission on the appropriate form to the Registrar at least two full calendar months before the commencement of the course.

They will then be notified by letter whether they are eligible to enrol and will be required to complete their enrolment at Hut 1, Western Grounds Area on Friday, 2nd March, 2 p.m. to 4.30 p.m. and 6.00 p.m. to 7.30 p.m.

**Master of Social Work (formal course work)**

Hut 34, Western Campus Friday, 2nd March,
2.00 p.m. to 5.00 p.m.
Master of Librarianship (by formal course work) and Diploma in Librarianship

Students continuing in these courses are required to attend the Office, School of Librarianship (Hut J), on Wednesday, 28th February, 9.30 a.m. to 12 noon, 2.00 p.m. to 7.00 p.m.

ENROLMENT IN MISCELLANEOUS SUBJECTS

Students may be permitted to enrol for miscellaneous subjects (i.e. as students not proceeding to a degree or diploma) provided the Head of the School offering the subject considers it will be of benefit to the student and there is accommodation available. Only in exceptional cases will subjects taken in this way count towards a degree or diploma. Where a student is under exclusion he may not be enrolled in miscellaneous subjects unless given approval by the Professorial Board.

UNIVERSITY UNION CARD

All students other than miscellaneous students are issued with a University Union membership card. This card must be carried during attendance at the University and shown on 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 some 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 at the University Union Enquiry Desk as soon as practicable after payment of fees. In the meantime, fees receipt form should be carried during attendance at the University and shown on request. A period of at least three weeks should be allowed to elapse after payment of fees before making application for the card. Cards will not be posted under any circumstances.
Basis for Fee Assessment

Where course fees are assessed on the basis of session hours of attendance, the hours for each subject for the purposes of fee assessment shall be those prescribed in the Calendar. The granting of an exemption from portion of the requirements of a subject in which a student is enrolled does not necessarily carry with it any exemption from the payment of fees.

(a) Degree Courses in Industrial Arts and Bachelor of Science (Education) course.

For the purpose of fee determination assessment is on a session basis.

A full-time course fee will be charged for any session where more than 15 hours' per week instruction, etc., is involved.

(i) Full-time Course Fee (more than 15 hours’ attendance per week)—$270 per session.

(ii) Part-time Course Fee—over 6 hours’ and up to 15 hours’ attendance per week—$135 per session.

(iii) Part-time Course Fee—6 hours’ or less attendance per week—$67.50 per session.

(iv) Course Continuation Fee—A fee per annum of $39 (no session payment) is payable by:

Category (a) students who have once been enrolled for a thesis and have only that requirement outstanding, or

Category (b) students given special permission to take annual examinations without attendance at the University. (Students in this category are not required to pay the subscriptions to the University Union, the Students’ Union, the Sports Association and the Library fee.)

(b) Social Work Degree — New Course

(i) Full-time Course Fee—$540 per annum or $270 per session for Years I, II and III; $404 per annum or $202 per session for Year IV.
(ii) Part-time Course Fee—$337 per annum or $168.50 per session for Stages I, II, III and IV; $270 per annum or $135 per session for Stage V; $404 per annum or $202 per session for Stage VI.

(iii) For students undertaking less than a complete full-time year or a complete part-time stage, fees will be assessed on a proportionate basis.

(c) Degree in Health Administration

The fees for this course are assessed under the following schedule according to the hours shown for the subject irrespective of whether the course is taken as an internal or external student. An external student in this course is exempt from the Student Activities Fees.

For the purpose of fee determination assessment is on a session basis.

A full-time course fee will be charged for any session where more than 11 hours’ per week instruction, etc., are involved.

(i) Full-time Course Fee (more than 11 hours’ attendance per week)—$224 per session.

(ii) Part-time Course Fee—over 4 hours’ and up to 11 hours’ attendance per week—$135 per session.

(iii) Part-time Course Fee—4 hours’ or less attendance per week—$67.50 per session.

(iv) Course Continuation Fee—A fee per annum of $39 (no session payment) is payable by:

Category (a) students who have once been enrolled for a thesis and have only that requirement outstanding, or

Category (b) students given special permission to take annual examinations without attendance at the University. (Students in this category are not required to pay the subscriptions to the University Union, the Students’ Union, the Sports Association and the Library fee.)

(d) Miscellaneous Subjects

(i) Undergraduate subjects taken as “miscellaneous subjects” (i.e. not for a degree) or to qualify for registration as a candidate for a higher degree are assessed according to paragraph (a) above.

(ii) Students given approval to enrol in a miscellaneous subject or subjects in addition to being enrolled in a course are assessed according to the total hours of attendance as if the additional subject formed part of the course.
POSTGRADUATE FEES

Basis of Fee Assessment

Where course fees are assessed on the basis of session hours of attendance, the hours for each subject for purposes of fee assessment shall be those prescribed in the Calendar. The granting of an exemption from portion of the requirements of a subject in which a student is enrolled does not necessarily carry with it any exemption from the payment of fees.

Master of Health Administration
Master of Librarianship
Master of Social Work

(i) Registration Fees ............. $8
(ii) Graduation Fee .............. $11
(iii) Course Fee—calculated on the basis of a session’s attendance at the rate of $14.50 per hour per week. Thus the fee for a programme requiring an attendance of 24 hours per week for the session is $14.50 = $348 per session.

(iv) Thesis or Project Fee (at the time of first enrolment in the thesis or project) ............. $57
(v) Thesis or Project Fee (for each subsequent enrolment in the thesis or project) ............. $39
(vi) Thesis or Project Resubmission Fee† $39

Master of Education

Fees are payable from the commencement date of a candidate’s registration and remain payable until the candidate’s thesis is presented to the Examinations Branch.

Thesis plus Formal Courses in Two Subjects.

(i) Registration Fee ............. $8
(ii) Course Fee—per subject ............. $57
(iii) Internal Full-time Student Annual Thesis Fee† $114
(iv) Internal Part-time Student Annual Thesis Fee† $57
(v) External Student Annual Thesis Fee*† $39
(vi) Final Examination (including Graduation Fee) $57
(vii) Thesis Resubmission Fee‡ ............. $39

* Students paying this fee who are not in attendance at the University are not required to pay the Student Activities Fees or the Library Fee.
† Candidates paying this fee are not required to pay the Student Activities Fees or the Library Fee.
‡ The Annual Thesis Fee is payable in any year in which a candidate is formally enrolled in the thesis.
**Project plus Formal Courses in Four Subjects.**

(i) Registration Fee .......................................................... $8
(ii) Course Fee—per subject .................................................. $57
(iii) Project Fee—Internal Student (at the time of first enrolment in the project) .............................................. $39
(iv) Project Fee—Internal Student (for each subsequent enrolment in the project) ............................................... $39
(v) Project Fee—External Student—per annum ....................... $39
(vi) Graduation Fee .............................................................. $11
(vii) Project Resubmission Fee† ............................................. $39

**RESEARCH DEGREES**

**Master of Health Administration, Librarianship, Science*, Social Work**

Fees are payable from the commencement date of a candidate’s registration and remain payable until the candidate’s thesis is presented to the Examinations Branch.

(i) Qualifying Examination ................................................. $19
(ii) Registration Fee ........................................................... $8
(iii) Internal full-time student annual fee ............................. $114
     Internal full-time student session fee ............................ $57
(iv) Internal part-time student annual fee ............................ $57
     Internal part-time student session fee ........................... $28.50
(v) External student annual fee† .......................................... $39
(vi) Final Examination ........................................................ $57
(vii) Thesis Resubmission Fee† ............................................. $57

**DIPLOMAS**

**Graduate Diploma Course (Archives Administration, Health Administration, Industrial Design and Librarianship)**

(i) Registration Fee .......................................................... $8
(ii) Award of Diploma Fee .................................................... $11
(iii) Course Fee—calculated on the basis of a session’s attendance at the rate of $14.50 per

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* Candidates registered under the conditions governing the award of this degree without supervision will pay the following fees. Registration fee $8, Examination of thesis $114. They are not required to pay the Student Activities Fees or the Library Fee.

† Students in this category are not required to pay the Student Activities Fees or the Library Fee.
hour per week. Thus the fee for a programme requiring an attendance of 24 hours per week for the session is \(24 \times 14.50 = 348\) per session.

(iv) Thesis or Project Fee—\$57 (an additional fee of \$39\) is payable by students who have completed their final examinations for the diploma but have not completed the thesis or project for which they have been previously enrolled. This fee of \$39\ also applies to students taking the course for the Graduate Diploma in Librarianship who have not completed assignments.

(v) Thesis or Project Resubmission Fee—\$39

Diploma in Education

(i) Registration Fee—\$8
(ii) Award of Diploma Fee—\$11
(iii) Full-time Course Fee—\$540 per annum or \$270 per session.
(iv) Part-time Course Fee—\$270 per annum or \$135 per session.
(v) Fees for repeat subjects—calculated on the basis of a session's attendance at the rate of \$14.50 per hour per week. Thus the fee for a programme requiring an attendance of 3 hours per week for the session is \(3 \times 14.50 = 43.50\) per session.

OTHER FEES

In addition to the course fees set out above, all registered students will be required to pay:

Matriculation Fee—payable at beginning of first year—\$11
Library Fee—annual fee—\$19
University Union*—entrance fee—\$20
Student Activities Fees
University Union*—annual subscription—\$30
Sports Association*—annual subscription—\$4
Students' Union*—annual subscription—\$7
Miscellaneous—annual fee—\$17

* Life members of these bodies are exempt from the appropriate fee/s.
† Students in this category are not required to pay the Student Activities Fees or the Library Fee.
Graduation or Diploma Fee—$11 payable at the completion of the course.
Dependent on the course being taken, students may also be required to pay:

Applied Psychology Kit Hiring Charge—$2 per kit. Additional payment for breakages and losses in excess of $1 may be required.

Biochemistry Kit Hiring Charge—$4 per kit. Additional payment for breakages and losses in excess of $1 may be required.

Chemistry Kit Hiring Charge—$4 per kit. Additional payment for breakages and losses in excess of $1 may be required.

Excursion Fee—$2 per subject (plant morphology, plant taxonomy, environmental botany).

SPECIAL EXAMINATION FEES

Deferred examination—$8 for each subject.
Examinations conducted under special circumstances—$11 for each subject.
Review of examination results—$11 for each subject.

LATE FEES

Session 1—First Enrolments
Fees paid in the late enrolment period and before commencement of Session 1 ............... $10
Fees paid during the 1st and 2nd weeks of Session 1 ............... $20
Fees paid after the commencement of the 3rd week of Session 1 with the express approval of the Registrar and Head of the School concerned ............... $40

Session 1—Re-Enrolments
Failure to attend enrolment centre during enrolment week ............... $10
Fees paid after the commencement of the 3rd week of session to 31st March ............... $20
Fees paid after 31st March where accepted with the express approval of the Registrar ............... $40

Session 2—All Enrolments
Fees paid in 3rd and 4th weeks of Session 2 ............... $20
Fees paid thereafter ............... $40
Late lodgment of corrected enrolment details forms (late applications will be accepted for three weeks only after the prescribed dates) ............... $8
WITHDRAWAL FROM COURSE

1. Students withdrawing from a course are required to notify the Registrar in writing. Fees for the course accrue until a written notification is received.

2. Where notice of withdrawal from a course is received by the Registrar before the first day of Session 1, a refund of all fees paid other than the matriculation fee will be made.

3. Where a student terminates for acceptable reasons a course of study within 30 days of the commencement of first session a refund of fees paid, less a sum of $39, may be made in respect of all fees except the University Union Entrance and membership fees, the University of New South Wales Students' Union fee and the University of New South Wales Sports Association fee, in regard to which fees refunds may be made as shown hereunder.

4. Where a student terminates for acceptable reasons a course of study: (1) after the lapse of 30 days and before the lapse of half the first session, one half of each of the course fee, the library fee and the miscellaneous student activities fee may be refunded; (2) before the lapse of half the second session, one half of the session's course fee may be refunded.

5. Where a student terminates a course of study after half a session has elapsed, no refund may be made in respect of that session's fees.

6. No portion of the Matriculation fee is refundable on withdrawal.

7. On notice of withdrawal a partial refund of the University Union Entrance Fee is 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.

8. On notice of withdrawal, a partial refund of the Student Activities Fees is made on the following basis:

   University Union—$7.50 in respect of each half session.
   University of New South Wales Students' Union—where notice is given prior to the end of the fifth week of Session 1, $3.50; thereafter no refund.
   University of New South Wales Sports Association—where notice is given prior to 30th April, a full refund is made; thereafter no refund.

9. Where initial registration is made at commencement of Session 2 in any year and the student subsequently withdraws, a refund of fees based on the above rules may be made.
PAYMENT OF FEES

Completion of Enrolment

All students are required to attend the appropriate enrolment centre during the prescribed enrolment period* for authorization of course programme. Failure to do so will incur a late fee of $10.

First Year students (including students repeating First Year) must complete enrolment (including fee payment) before they are issued with class timetables or permitted to attend classes. A First Year student who has been offered a place in a course to which entry is restricted and fails to complete enrolment (including fee payment) at the appointed time may lose the place allocated.

Fees should be paid during the prescribed enrolment period but will be accepted during the first two weeks of Session 1. (For late fees see above.) No student is regarded as having completed an enrolment until fees have been paid. Fees will not be accepted (i.e. enrolment cannot be completed) from new students after the end of the second week of Session 1 (i.e. 16th March, 1973), and after 31st March from students who are re-enrolling, except with the express approval of the Registrar, which will be given in exceptional circumstances only.

Payment of Fees by Session

Students who are unable to pay their fees by the year may pay by the Session, in which case they are required to pay the first session's course fees and other fees for the year, within the first two weeks of Session 1. Students paying under this arrangement will receive accounts from the University for Session 2 fees. These fees must be paid within the first two weeks of Session 2.

Assisted Students

Scholarship holders or 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 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.

Extension of Time

Any student who is unable to pay fees by the due date may apply in writing to the Deputy Registrar (Student Services) for an exten-

* The enrolment periods for Sydney students are prescribed annually in the leaflets "Enrolment Procedure for New Students" and "Enrolment Procedure for Students Re-enrolling".
sion of time. Such application must give year or stage, whether full-time or part-time, and the course in which the applicant wishes to enrol, state clearly and fully the reasons why payment cannot be made and the extension sought, and must be lodged before the date on which a late fee becomes payable. Normally the maximum extension of time for the payment of fees is one month for fees due in Session 1 and for one month from the date on which a late fee becomes payable in Session 2.

Where an extension of time is granted to a First Year student in Session 1, such student is not permitted to attend classes until fees are paid, and if seeking to enrol in a restricted Faculty may risk losing the place allocated.

**Failure to Pay Fees**

Any student who is indebted to the University and who fails to make a satisfactory settlement of his indebtedness upon receipt of due notice ceases to be entitled to membership and privileges of the University. Such a student is not permitted to register for a further term, to attend classes or examinations, or to be granted any official credentials.

No student is eligible to attend the annual examinations in any subject where any portion of his course fees for the year is outstanding after the end of the fourth week of Session 2 (17th August, 1973).

In very special cases the Registrar may grant exemption from the disqualification referred to in the two preceding paragraphs upon receipt of a written statement setting out all relevant circumstances.
RULES RELATING TO STUDENTS

GENERAL CONDUCT

Acceptance as a member of the University implies an undertaking on the part of the student to observe the regulations, by-laws and other requirements of the University, in accordance with the declaration signed at the time of the enrolment.

In addition, students are expected to conduct themselves at all times in a seemly fashion: Smoking is not permitted during lectures, in examination rooms or in the University Library. Gambling is also forbidden.

Members of the academic staff of the University, senior administrative officers, and other persons authorized for the purpose, have authority, and it is their duty, to check and report on disorderly or improper conduct or any breach of regulations occurring in the University.

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 a student may be excused by the Registrar from 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 any longer period.

Applications to the Registrar for exemption from re-attendance at classes, either for lectures or practical work, may only be granted on the recommendation of the Head of the appropriate School. The granting of an exemption from attendance does not carry with it exemption from payment of fees.

Application forms for exemption from lectures are available at the Admissions Office and should be lodged there (with a medical certificate where applicable). If session examinations have been missed this fact should be noted in the application.

Where a student has failed a subject at the annual examinations in any year and re-enrolls in the same course in the following year, he must include in his programme of studies for that year the subject in which he has failed. This requirement will not be applicable
if the subject is not offered the following year; 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.

Where a student has attended less than eighty per cent of the possible classes, he may be refused permission to sit for the examination in that subject.

INDEBTEDNESS TO THE UNIVERSITY

Any student who is indebted to the University and who fails to make a satisfactory settlement of his indebtedness upon receipt of due notice ceases to be entitled to membership and privileges of the University. 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 very 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.

ADMISSION WITH ADVANCED STANDING

Any person who makes application to register as a candidate for any degree or other award granted by the University may be admitted to the course of study leading to such degree or award with such standing on the basis of previous attainments as may be determined by the Professorial Board.

Students should consult the University Calendar for complete details regarding “Admission with Advanced Standing.”

COURSE TRANSFERS

Students wishing to transfer from one course to another must apply on an application form obtainable from the Admissions Office, Chancellery, by Friday, 19th January. As quotas will operate on entry to all Faculties and the Board of Vocational Studies, failure to apply by 19th January, 1973, will probably result in the application for transfer being unsuccessful.

Students whose applications to transfer are successful are required to comply with the enrolment procedures for the year/stage of the new course in which they expect to enrol. Unless otherwise instructed they must present the letter granting approval of the transfer to the enrolling officer.

Students 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 of the School in which they are enrolled of their intention to transfer.

**CHANGES IN COURSE PROGRAMMES**

Students seeking approval to substitute one subject for another, add one or more subjects to their programme or discontinue part or all of their programme must make application to the Registrar through the Head of the School responsible for the course on forms available from School offices. The Registrar will inform students of the decision. Application to enrol in additional subjects must be submitted by 31st March.

Approval of withdrawal from subjects is not automatic, each application being determined after considering the circumstances advanced as justifying withdrawal.

It is emphasized that:

1. withdrawal from a subject, tuition in which extends over the academic year, at any time after the May recess;
2. withdrawal from a subject, tuition in which extends over only one session, at any time after one month from the commencement of the subject; or
3. failure to sit for the examinations in any subject in which the student has enrolled,

shall be regarded as failure to satisfy the examiners in the subject, unless written approval to withdraw without failure has been obtained from the Registrar.

**STUDENT RECORDS**

All students will receive enrolment details forms by 4th April and 7th August. It is not necessary to return the forms unless any information recorded thereon is incorrect. Amended forms must be returned to the Examinations and Student Records Section by 19th April and 22nd August respectively. Amendments notified after the closing date will not be accepted unless exceptional circumstances exist and approval is obtained from the Registrar. Where a late amendment is accepted, a late fee of $8 will be payable. Amended forms returned to the Registrar will be acknowledged in writing within fourteen days.

**RESUMPTION OF COURSES**

Students wishing to resume their studies after an absence of twelve months or more are required to apply to the Admissions
Office for permission to re-enrol by 19th January, 1973. Students re-enrolling in this way will normally be required to satisfy conditions pertaining to the course at the time of re-enrolment. This condition applies also to students who have been re-admitted to a course after exclusion under the rules restricting students re-enrolling.

APPLICATION FOR ADMISSION TO DEGREE OR DIPLOMA

Applications for admission to a degree or diploma of the University must be made on the appropriate form by 15th January. Applicants should ensure that they have completed all requirements for the degree or diploma, including industrial training where necessary.

RESTRICTION UPON STUDENTS RE-ENROLLING IN UNIVERSITY COURSES

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. These rules apply retrospectively from 1st January, 1971, and the attention of students is drawn to them.

(1) (i) A student shall show cause why he should be allowed to repeat a subject in which he has failed more than once. (Failure in a deferred examination as well as in the annual examination counts, for the purpose of this regulation, as one failure.) Where such subject is prescribed as a part of the student's course he shall be required to show cause why he should be allowed to continue the course.

Notwithstanding the provisions of Clause 1 (i) —

(ii) A student enrolled in the first year or first stage of any course, other than the medical course, who has failed in more than half the programme in which he is enrolled for that year or stage shall be required to show cause why he should be allowed to continue in the course.

(iii) A student enrolled in the first year of the Medical course who has failed in more than one subject of that year shall be required to show cause why he should be allowed to continue in the Medical course.
(iv) The provisions of sections (ii) and (iii) of this rule shall be deemed to apply to any student on transfer from another course or institution whose programme of studies in the first year of enrolment immediately following transfer is comprised of subjects so chosen that half or more of such subjects are listed in the University Calendar as first year subjects.

(2) Notwithstanding the provisions of Clause (1), a student shall be required to show cause why he should be allowed to continue a course which he will not be able to complete in the time set down in the following schedule.

<table>
<thead>
<tr>
<th>Number of years in course</th>
<th>Total time allowed from first enrolment to completion (Years)</th>
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<tbody>
<tr>
<td>3</td>
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</table>

(3) No full-time student shall, without showing cause, be permitted to continue a course unless all subjects of the first year of his course are completed by the end of his second year of attendance. No student in the Faculty of Arts shall (without showing cause, be permitted to continue a course) unless he completes four subjects by the end of his second year of attendance. No full-time student in the Bachelor of Social Work course shall without showing cause be permitted to continue with the course unless he completes the equivalent of four full subjects by the end of his second year of attendance.

No part-time student in a course in which progression is by stage shall without showing cause be permitted to continue a course in which he will not be able to complete all subjects of the first two stages by the end of his fourth year of attendance and all subjects of the third year and fourth stages of his course by the end of his seventh year of attendance.

No part-time student in the Science course shall without showing cause be permitted to continue a course in
which he will not be able to complete level one Mathematics and six other level one units by the end of his fourth year of attendance and fourteen units inclusive of at least three at level two of his course by the end of his seventh year of attendance.

No student in the Faculty of Medicine shall, without showing cause, be permitted to continue with the medical course unless he completes the second year of the course by the end of his third year of attendance, and the third year of the course by the end of his fourth year of attendance.

(4) A student who has a record of failure in a course at another University shall be required to show cause why he should be admitted to this University. A student admitted to a course at this University following a record of failure at another University shall be required to show cause, notwithstanding any other provisions in these rules, why he should be permitted to continue in that course if he is unsuccessful in the annual examinations in his first year of attendance at this University.

(5) Any student excluded under any of the Clauses (1)-(3) may apply for readmission after two academic years and such application shall be considered in the light of any evidence submitted by him.

(6) A student wishing "to show cause" under these provisions shall do so in writing to the Registrar. Any such application shall be considered by a committee, hereinafter referred to as the Re-enrolment Committee, appointed by the Professorial Board, which shall determine whether the cause shown is adequate to justify his being permitted to continue his course or re-enrol, as the case may be.

(7) The Vice-Chancellor may on the recommendation of the Re-enrolment Committee exclude from attendance in a course or courses any student who has been excluded from attendance in any other course under the rules governing re-enrolment and whose record at the University demonstrates, in the opinion of the Re-enrolment Committee and the Vice-Chancellor, the student's lack of fitness to pursue the course nominated.

(8) A student who has failed, under the provisions of Clause (6) of these rules, to show cause acceptable to the Re-enrolment Committee why he should be
permitted to continue in his course, and who has subsequently been permitted to re-enrol in that course or to transfer to another course, shall also be required to show cause, notwithstanding any other provision in these rules, why he should be permitted to continue in that course if he is unsuccessful in the annual examinations immediately following the first year of resumption or transfer of enrolment as the case may be.

(9) Any student who is excluded from attendance in any course or subject under the provisions of these rules may appeal to an Appeal Committee constituted by Council for this purpose. The decision of the Appeal Committee shall be final.

(10) The notification to any student of a decision by the Re-enrolment Committee to exclude the student from attendance in any course or subject shall indicate that the student may appeal against the decision to an Appeal Committee. In lodging such appeal the student shall ensure that a complete statement is furnished of all grounds on which the appeal is based and shall indicate whether or not the student wishes to appear in person before the Appeal Committee.
In considering an appeal the Appeal Committee, on the basis of the student’s academic record and the stated grounds of appeal, shall decide:

(i) whether there are grounds which justify the Committee seeing the student in person, or

(ii) whether there is sufficient information available to the Committee to allow decision without seeing the student in person

and so proceed to determine the application accordingly.

ANNUAL EXAMINATIONS

Most annual examinations are held in November-December and examinations in many subjects are also held during the mid-year recess. Timetables indicating the dates and times of examinations and notices of the location of examinations are posted on the central notice boards in the Wallace Wurth Medical School, Biological Sciences Building, the Chancellery, Central Lecture Theatre Block, Dalton (Chemistry) School, Main Building (Mining and Physics), outside the Science Theatre and in the Western Grounds Area.
Misreading of the timetable is not an acceptable excuse for failure to attend an examination.

A student suffering from a physical disability which puts him at a disadvantage in written examinations should apply to the Registrar in writing, as early as possible, for special provisions to be made for him to take examinations. The request should be supported by medical or other evidence.

Examinations are conducted in accordance with the following rules and procedure:

(a) Candidates are required to obey any instruction given by an examination supervisor for the proper conduct of the examination.

(b) Candidates are required to be in their places in the examination room not less than ten minutes before the time for commencement.

(c) No bag, writing paper, blotting paper, manuscript or book, other than a specified aid, is to be brought into the examination room.

(d) No candidate shall be admitted to an examination after thirty minutes from the time of commencement of the examination.

(e) No candidate shall be permitted to leave the examination room before the expiry of thirty minutes from the time the examination commences.

(f) 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.

(g) 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.

(h) Smoking is not permitted during the course of examinations.

(i) All answers must be in English unless otherwise directed. Foreign students who have the written approval of the Officer-in-Charge of Examinations may use standard translation dictionaries.

(j) 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.

A student who through serious illness or other cause outside his control is unable to attend an examination is required to bring the circumstances (supported by a medical certificate or other
evidence) to the notice of the Registrar not later than seven days after the date of the examination, and may be required to submit to medical examination. A student who attempts an examination yet claims that his performance is 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.

A student who believes that his performance at an examination has been affected by serious illness during the year or by other cause outside his control, and who desires these circumstances to be taken into consideration in determining his standing, is required to bring the evidence (supported by medical certificates or other evidence) to the notice of the Registrar not later than seven days after the date of the examination.

In the assessment of a student's progress, consideration is 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 are posted to the term addresses of students and it is therefore essential that any change of address be advised to the Examination and Student Records Section. Results are also posted on School notice boards. No examination results will be given by telephone.

Examination results may be reviewed for a fee of $11 a 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 date indicated on the notification of results.

**Examination Results**

**Graded Passes**

Passes will be graded as follows:
- High Distinction—Indicates a quite superior 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.

**Pass Conceded**

A pass conceded may be granted to students where the mark in the subject is slightly below the required standard and whose overall performance warrants it.
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 pre-requisite. 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.

Deferred Examinations
Deferred examinations may be granted in the following cases:

(i) 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. Applications for deferred examination in this category must be lodged with the Registrar with appropriate evidence of the circumstances (e.g., 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.

(ii) To help resolve a doubt as to whether a student has reached the required standard in a subject.

(iii) 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.

(iv) Where a student's standing at the annual examinations is such this 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. An application to take an examination away from the centre in which enrolled must be lodged with the Registrar immediately examination results
are received. Normally, the student will be directed to the nearest University for the conduct of the deferred examination.

A student eligible to sit for a deferred examination must lodge with the Accountant an application accompanied by the fee of $8 per subject, by the date indicated on the notification of results.

**RE-ADMISSION AFTER EXCLUSION**

Applications for re-admission must be made on the standard form and lodged with the Registrar not later than 30th June of the year prior to that for which re-admission is sought. An application should include evidence of appropriate study in the subjects (or equivalents) on account of which the applicant was excluded. In addition, 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, should be furnished. An applicant may be required to take the annual examinations in the relevant subjects as qualifying examinations in which case re-admission does not imply exemption from the subject. Late applications cannot be considered where, in the opinion of the University, insufficient time will be available for the student to prepare himself for any qualifying examinations which may be required.

It should be noted that a person under exclusion may not be enrolled in miscellaneous subjects unless he has received the approval of the Professorial Board on the recommendation of the Admissions Committee.

Persons who intend applying for re-admission to the University at a future date may seek advice as to ways in which they may enhance their prospects of qualifying for re-admission. Enquiries should be made on a form obtainable from the Examinations Branch, and lodged with the Registrar.

**OWNERSHIP OF STUDENTS’ WORK**

The University reserves the right to retain at its own discretion the original or one copy of any drawings, models, designs, plans and specifications, essays, theses or other work executed by students as part of their courses, or submitted for any award or competition conducted by the University.

**CHANGE OF ADDRESS**

Students are requested to notify the Student Records Section of the Registrar's Division of any change in their address, as soon
as possible. Failure to do this could lead to important correspondence not reaching students. The University cannot accept responsibility if official communications fail to reach students, who have not notified their change of address. A Change of Address Advice form is available at Faculty and School offices and at the Enquiry Counters on the Ground Floor of the Chancellery Building.

NOTICES

Official University notices are displayed on the notice boards and students are expected to be acquainted with the contents of those announcements which concern them.

LOST PROPERTY

All enquiries concerning lost property should be made to the Superintendent on Extension 2503 or to the Lost Property Office at the Union.

APPLICATION OF RULES

General

Any student who requires information on the application of these rules or any service which the University offers, may make enquiries from the Admissions Office, the Student Counselling Centre or the Registrar.

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".
STUDENT SERVICES

THE LIBRARY

The University library is on the upper campus and adjacent to the Chancellery, and the Arts and Commerce Buildings. The Bio-Medical Library is in the Biological Sciences Building with a branch at Prince Henry Hospital (’Phone: 661-0111). The Law Library is temporarily housed on the 4th Floor of the Science Building on the upper campus. There are services at other centres as follows:

- Wollongong University College—Wollongong: ’Phone: B-7301.
- Water Reference Library—Manly Vale. ’Phone: 948-0261.

Each library provides a reference and lending service for staff and students, and is open in both Sessions 1 and 2 during day and evening periods, except the Water Reference Library which is only open during the day.

Staff and students must use a machine readable identification card to borrow from the main University Library. Personal identification is required in the other libraries listed. For students a current Union card is acceptable. Staff must apply to the Library for a library card.

STUDENT ACCOMMODATION

RESIDENTIAL COLLEGES

The Kensington Colleges

Accommodation for students is provided within the group of The Kensington Colleges which comprise Basser College, Goldstein College and Philip Baxter College. The group houses 450 men and women students, as well as staff members. Tutors in residence provide tutorial assistance in a wide range of subjects.
Board and residence fees, which are payable on a session basis, amount to $308 per session. Intending students should apply in writing to the Master, Box 24, Post Office, Kensington, N.S.W. 2033, from whom further information is available.

*International House*

International House accommodates over 110 students of whom half are Australian; the remaining half is made up of students from some 20 different countries. First-year students who have come to the University straight from school are not eligible for residence because preference is given to mature undergraduates and postgraduate students. Fees are $23.50 per week.

Students should apply as soon as possible if they wish to reside at International House at a later date. They should write to the Warden, International House, P.O. Box 88, Kensington, N.S.W. 2033 for information.

*New College*

This Church of England College is the first of the independent Colleges on the Campus of the University. There are no religious tests, and accommodation is available for 210 men in single study-bedrooms. Fees are $25 per week.

Enquiries should be addressed to the Master, New College, Anzac Parade, Kensington, N.S.W. 2033.

*Warrane College*

This College, an affiliated Roman Catholic residential college, was completed in 1970, and provides accommodation for 200 students and fourteen resident tutors.

Basic fees are $26 per week for board and residence, payable on a session basis, and a registration fee of $20. Intending students should write to The Master, Warrane College, Box 123, P.O. Kensington, N.S.W. 2033.

*The Jewish College*

The Jewish College will provide accommodation for 86 men and women students when it is ready for occupation in 1973. The basic fee for residents will be $28 a week. Non-resident membership will be available to students who wish to avail themselves of the Kosher dining room and tutorial facilities.
Applications for residence and further information should be addressed to The Master, The Jewish College, The University of New South Wales, Box 1, P.O. Kensington, N.S.W. 2033.

OTHER ACCOMMODATION

Students requiring other than Residential College accommodation may make personal application to the Housing Officer (Extn. 3260) at the Student Amenities Unit. Current lists are kept of accommodation available at recognized boarding houses, private homes, and in serviced and unserviced apartments.

THE UNIVERSITY UNION

The University Union, housed in the circular building and joined by a courtyard to an adjacent rectangular building, is located near the entrance to the Kensington campus from Anzac Parade. The third building in the Union complex was completed in 1971. Membership of the Union is compulsory for all registered students of the University and is also open to all members of staff and graduates of the University.

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 and conducts courses in many facets of the arts including weaving, photography, creative dance and yoga.

PARKING WITHIN THE UNIVERSITY GROUNDS

Because of the limited amount of parking space available, only the following categories of students may apply for a permit: motorcycle owners (annual fee $3.90); higher degree students (limited issue, annual fee $7.80); postgraduate and senior undergraduate students who have completed three years of a full-time or part-time course (annual fee $3.90). A permit will allow access to the campus between 5 p.m. and 11 p.m. on weekdays and during library hours on Saturdays, Sundays and public holidays. Enquiries should be made to the Property Section, Room 240, The Chancellery Building, or 'phone 663 0351, extension 2920. It should be noted that increasing demand for parking space may require the imposition of further restrictions.
CHAPLAINCY SERVICE

This service is provided for the benefit of students and staff by five Christian Churches and by the Jewish congregation. Chaplains are in attendance at the University at regular times. A Chapel is also available for use by all denominations.

The University Chapel and full-time chaplains are located in Hut F near the Chemistry Building. They may be contacted by phone at the following extensions: Anglican, 2684; Jewish, 3273; Roman Catholic, 2379; Churches of Christ, Methodist and Seventh Day Adventist, 2683.

STUDENT HEALTH UNIT

Director: M. A. Napthali, MB BS

A student health and first aid centre is situated within the University. It is staffed by two qualified medical practitioners, assisted by a nursing sister and secretary. The medical service, although therapeutic, is not intended to replace private or community health services. Thus, where chronic or continuing conditions are revealed or suspected, the student is 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 a.m. and 5 p.m. Mondays to Fridays, and additionally to part-time students from 6 p.m. to 8 p.m. on Tuesdays and Thursdays during session. 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.

Appointments may be made by calling at the centre or by telephoning extension 2679 or 3275 during the above hours.

STUDENT EMPLOYMENT UNIT

The Student Employment 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 campus interview programme for final
year students. Careers advice and assistance is also available to undergraduates. Assistance is offered in finding vacation employment which gives either course related experience or industrial training experience where this is a course requirement. Information and advice regarding cadetships, undergraduate and postgraduate scholarships is also available.

The service is located in the Chancellery on the ground floor. Telephone: 663 0351 ext. 3259 for employment and careers advice, or 663 0351 ext. 2086 for cadetships and industrial training information.

STUDENT COUNSELLING AND RESEARCH UNIT

The Student Counselling and Research Unit offers a free, confidential counselling service to help students, individually or in groups, to deal with problems, and to make plans and decisions associated with their personal, academic and vocational progress.

Interviews and group programmes are available between 9 a.m. and 8 p.m. each week-day. Appointments may be made at the Unit, which is located at the foot of Basser Steps, or by ringing 663 0351, extensions 2600-2605, between 9 a.m. and 5 p.m.

STUDENT AMENITIES UNIT

The Amenities Unit is concerned with student welfare and its activities are associated with sport and recreation, travel and student accommodation. It works in close liaison with the Sports Association, assisting the various clubs, and administers sporting facilities for both grade and social competitions. The Unit also has the added responsibility of the Physical Education and Research Centre where attractive recreational programmes for students and staff are provided. Concessional application forms for all types of travel may also be obtained at the Enquiry Desk in the Chancellery or at the Student Amenities Unit. A Housing Officer is also available to assist students with any off-campus accommodation problems.

Location: The Student Amenities Unit is located in Hut B at the foot of Basser Steps.

Phone: 663 0351, Extension 2235 Sports Association; 3271 Physical Education and Recreation Centre; 3261 Travel; 3260 Accommodation.
PHYSICAL EDUCATION AND RECREATION CENTRE

The Physical Education and Recreation Centre consists of eight squash courts and a main building. The latter has a large gymnasium and ancillary practice rooms for fencing, table tennis, judo and weightlifting. The Supervisor of Physical Recreation is responsible for this Centre and provides a recreational programme for both students and staff. Those who desire to participate in the recreational programmes should contact the Supervisor on Extension 3271.

THE UNIVERSITY REGIMENT

Enquiries should be made to the Adjutant at the Regimental Depot in Day Avenue just west of Anzac Parade.

THE N.S.W. UNIVERSITY SQUADRON

Enquiries should be made to the Commanding Officer at Squadron Headquarters at the corner of City and Darlington Streets, Darlington 2008.

ROYAL AUSTRALIAN NAVY

Enquiries should be made to the Royal Australian Naval Liaison Officer, Professor J. S. Ratcliffe, Commander, R.A.N.V.R., at the School of Chemical Engineering. Phone 663 0351, ext. 2406.

UNIVERSITY CO-OPERATIVE BOOKSHOP LTD.

Membership is open to all students, on payment of a fee of $5, refundable when membership is terminated. Members receive an annual rebate on purchases of books.

CASHIER'S HOURS

The cashier's office is open for the payment of fees from 9:30 a.m. to 1:00 p.m. and from 2:00 p.m. to 4:30 p.m., Monday to Friday. It is open for additional periods during the first four weeks of Session 1 and three weeks of Session 2. Students are advised to consult noticeboards for details.

FINANCIAL ASSISTANCE TO STUDENTS

The Students' Union and the University have co-operated to provide assistance to students who are in financial difficulties
which are considered likely to prejudice their progress with their studies.

Three main 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.
   In exceptional circumstances the University may consider granting deferments for up to twelve months or even longer. In cases where payment is deferred to 31st December, examination results will not be published or made available until such time as the outstanding fees are paid. Where deferments are granted to a date beyond 31st December, the University may require the student to enter into a formal agreement to repay the fees.

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. **Long Term Cash Loans**
   An amount of up to $300 is available from this fund, repayable usually after twelve months or within twelve months of graduation or upon withdrawal from the course. This scheme is funded jointly by the University and the Students’ Union. Students are required to enter into a formal agreement with the University to repay such a loan.

   In all cases assistance is limited to students with reasonable academic records and whose financial circumstances warrant loans.

   Applications may be made personally to the Deputy Registrar (Student Services).

**FINANCIAL ASSISTANCE TO ABORIGINAL STUDENTS**

Financial assistance is available from a number of sources to help Aboriginal students. Apart from Open Entrance Commonwealth University Scholarships, there is also a Commonwealth Aboriginal Study Grant Scheme. Furthermore, the University may assist Aboriginal students with some essential living expenses or the waiving of course fees in exceptional circumstances.

All enquiries relating to this scheme should be directed to The Deputy Registrar (Student Services).
STUDENT ACTIVITIES

Appropriate Faculty Associations are open to students in the various courses. Full details are available in other Faculty handbooks, the following list merely indicating the range.

The Commerce Society; The Arts Faculty Society; Dramsoc; The Historical Society; The Politics Club; The French Society; Socratic Society; The Julian Society.

Social Work Students' Association

The Association's primary function is that of a communication channel operating not only among the students themselves but also between students and staff of the School. Opportunities for students to meet informally abound in the many functions held during the year. These include parties, lectures by professional social workers to give the student an insight into social work practice in many areas, and meetings where specific grievances may be aired or certain aspects of the course discussed.

Students become members of the Association automatically on admission to the School of Social Work, and elect an executive committee at an Annual General Meeting held during Session 1 each year. It is through this executive committee that formal liaison with the School's staff can be maintained.

A regular newsletter, "Catalyst", is produced to inform students of current events or planned activities, and to provide a forum for discussion among students.

Representatives of the Association attend meetings of the Australian Association of Social Workers (N.S.W. Branch) and the Council of Social Services of N.S.W., while contact with student bodies in other universities is maintained through the Federation of Australian Social Work Students Association. Further details may be obtained from the Social Work students notice board and the Enquiries Office of the School of Social Work.

Industrial Arts Society

The Industrial Arts Society aims at providing opportunities for students to meet staff and fellow students through both social functions and educational activities such as films, lectures, seminars and visits. It is hoped that through these activities students will arrive at a better understanding of the purpose of their studies and become aware of the opportunities available in the field of Industrial Arts.
Membership is open to all students of the Department of Industrial Arts including postgraduate students. The Annual General Meeting is held in March. Further details regarding membership and activities may be obtained by contacting the Secretary of the Society, C/- Department of Industrial Arts, Western Grounds Area.
SCHOLARSHIPS

Commonwealth University Scholarships

There are three types: OPEN ENTRANCE SCHOLARSHIPS, which are awarded on the results of the Higher School Certificate Examination to students who are under thirty years of age on 1st January of the year in which they begin their course and who, with their parents, are permanent residents of Australia; LATER YEAR SCHOLARSHIPS, which are available to students who have completed at least one year of full-time or two years of a part-time course without failure (age and residential qualifications are the same as for Open Entrance); and MATURE AGE SCHOLARSHIPS, which are available to students who are over thirty on 1st January of the year for which the scholarship is desired, and who have been residents of Australia for at least two years immediately preceding the award of the scholarship. Benefits include payment of all tuition fees and other compulsory fees and living allowances (these latter being subject to a means test). The closing date for applications is 30th September in the year immediately preceding that for which the scholarship is desired. Full particulars and application forms may be obtained from the Officer-in-Charge, Sydney Branch Office, Department of Education and Science, La Salle Building, 70 Castlereagh Street, Sydney, N.S.W., 2000 (Telephone 2-0323).

University Scholarships

The University annually awards up to fifteen scholarships tenable in degree courses to students who have matriculated at the Higher School Certificate Examination; ten scholarships to students who have completed certificate courses (Department of Technical Education); ten scholarships to students who have completed Trade Courses (Department of Technical Education); and ten scholarships to part-time students who have taken the Diploma Entrance course of the Department of Technical Education. The scholarships are tenable in any faculty and exempt the holder from payment of course fees during the currency of the scholarship. Scholarships will be awarded in order of merit on the Higher School Certificate Examination results. Continued tenure of the scholarships requires satisfactory progress. They may be held only by persons who do not hold another award, who are eligible to enrol in the course selected, and whose parents are permanent
residents of Australia. Applications must be lodged with the Registrar within seven days of publication of the award of Commonwealth University Scholarships.

**Cadetships and Traineeships**

The Commonwealth Public Service offers cadetships each year in a wide variety of fields. British subjects, with Australian citizenship, under the age of 28 years, or 33 years in the case of a cadet social worker, are eligible to apply. Details of vacancies at any one time may be obtained from the University's Student Employment Officer or the Inquiry Officer, Commonwealth Public Service Inspector's Office, Commonwealth Centre, Chifley Square (Cnr. Phillip and Hunter Streets). (Telephone 259-3969).

The New South Wales Public Service offers cadetships and traineeships from time to time for various departments. Enquiries should be made to the New South Wales Public Service Board, 19 O'Connell Street, Sydney. (Telephone 2-0355). Applications will close in October, and early application to the Board is advisable.

The Hospitals Commission of New South Wales, Red Cross and other bodies also from time to time offer scholarships for social work students in later years.

**Teachers' College Scholarships**

Scholarships are awarded in open competition in respect of the aggregate of the five best subjects presented at the Higher School Certificate Examination provided that the candidate has a pass in English at any level.

Applicants must have reached the age of sixteen years, and, in general, should not have passed the age of thirty-five years on the date at which training is commenced.

Applications must be made on the form provided. Full-time school pupils may obtain these forms from the principal of the school or college at the end of second term. Other applications may be made by contacting: Officer-in-Charge, Teacher Training Division, N.S.W. Department of Education, Blackfriars Street, Chippendale, N.S.W., 2008 (Telephone: 211 4566).

Applications for scholarships should be made by September 30. Late applications will be considered although no attempt is made to reserve places for late applicants.

Graduates and undergraduates are reminded that later year scholarships are made available from time to time.

Further advice regarding applications for Teachers College Scholarships may be had by contacting the School of Education.
Graduate Diploma in Industrial Design Scholarships

Several Scholarships are available for students who wish to enrol in the postgraduate course in Industrial Design leading to the award of a Graduate Diploma. Applicants should have a University degree or a professional level qualification from a Technical College, or such other qualification as may be approved by the University. Past and present employment experience in industrial design is desirable. The value of each scholarship is $400 per annum.

Postgraduate Scholarship in Industrial Design

Australian Consolidated Industries has made a scholarship available (annual stipend $3250 for single scholars and $3750 for married scholars) in order to promote postgraduate study and research for the degree of Doctor of Philosophy within the Department of Industrial Arts.

Scholarships in Health Administration

A number of scholarships and cadetships up to the value of $2,800 plus fees and allowances are available to students enrolling in courses offered by the School of Health Administration. Details are available from the Head of the School.
The School of Education offers a four-year Bachelor of Science (Education) degree course; a one year full-time course for graduates leading to the Diploma in Education; and also a course leading to the degree of Master of Education.

**THE BACHELOR OF SCIENCE (EDUCATION) DEGREE COURSE**

The first year of a four-year Bachelor of Science (Education) degree course BSc(Ed), commenced in 1969. The course is designed primarily for the preparation of teachers of science in secondary schools.

One feature of the course is the breadth of study over a range of science subjects. The course also provides depth by requiring that at least one of the science subjects be taken to a minimum of three stages. Another feature is the study of education subjects along with science subjects in the third and fourth years. Two stages of History and Philosophy of Science are included in the course structure to give an understanding of science as a method of inquiry and of its relationship to society.

Students must complete at least one stage of physics, chemistry, mathematics, geology and biological sciences, and in the first year must undertake a programme in chemistry, physics and mathematics and either biology or geology. Stage I subjects have the same content as for the first year science course. Stage II, III and IV science subjects consist of units of science subjects or units designed to meet the special needs of teachers or a combination of these.

The course has undergone a minor revision, and in 1973 Year 2 of the revised course will be offered. Years 3 and 4 will be introduced progressively thereafter.

**Honours**

The BSc (Ed) may be awarded with honours. The grade of honours is determined by the quality of work performed throughout the course which includes the fourth year honours research seminar and thesis. The classes and divisions of honours are: Class 1, Class 2 (Division 1), Class 2 (Division 2).

Applications for admission to the honours programme should be made in writing to the Head of School on the completion of third year.
**Progression**

Progression in the Bachelor of Science (Education) Course is permitted by subject. However:

1. Course programmes will continue to be stated and timetabled by year and it cannot be guaranteed that non-standard programmes can be completed in the minimum number of years. A non-standard programme is one which involves enrolment in subjects or units from more than one year or comprises subjects which do not normally constitute a particular year's course work.

2. Students must satisfy the rules governing re-enrolment; in particular, these require all subjects of the first year to be completed by the end of two years of full-time (or four years of part-time) study.

3. Before enrolling in any subject a student must have satisfied the relevant prerequisite and co-requisite requirements unless permission to vary this has been granted by the Head of the appropriate School.

4. Only in exceptional circumstances will a student be permitted to enrol for more than twenty-four hours of course work per week.

5. Notwithstanding the above, before a student can enrol in any non-standard programme, such programme must meet with the approval of the Head of School of Education.

### 406. SCIENCE (EDUCATION)—FULL-TIME COURSE

Bachelor of Science (Education)

<table>
<thead>
<tr>
<th>YEAR 1</th>
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<tbody>
<tr>
<td></td>
<td>Lec. Lab./Tut.</td>
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<tr>
<td>*1.011 Higher Physics I or</td>
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<td>1.001 Physics I or</td>
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<td>1.041 Physics IC</td>
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<td>2.001 Chemistry I</td>
<td>2 — 4</td>
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<td>10.001 Mathematics I or</td>
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<tr>
<td>10.011 Higher Mathematics I or</td>
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<tr>
<td>10.021 Mathematics IT†</td>
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</tr>
<tr>
<td>17.001 General and Human Biology or</td>
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</tr>
<tr>
<td>25.111 Geoscience I</td>
<td>11 — 13</td>
</tr>
</tbody>
</table>

*Higher Physics I covers the same syllabus as Physics I but at a higher level. Students intending to proceed to further studies of Physics in later years of the course should take 1.011 or 1.001. Students taking Physics IC, which is a terminating course, would only be able to proceed to further studies of Physics if their performance in 1.041 was above average. †Students taking 10.021 Mathematics IT will not be allowed to proceed beyond First Year Physics.
**YEAR 2**

<table>
<thead>
<tr>
<th>Course Description</th>
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<tbody>
<tr>
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<tr>
<td>Two Science subjects selected from 17.001, 25.111</td>
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* Directed observations in schools are additional to this time.

**YEAR 3**

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<tr>
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</table>

* The following subjects are prerequisites for 58.501 Education I: 1.011 Higher Physics I or 1.001 Physics I or 1.041 Physics IC and 2.001 Chemistry I, 17.001 General and Human Biology and 25.111 Geoscience I.
† School experience including teaching practice will be additional to these hours.

**YEAR 4**

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<tr>
<td>58.502 Education II</td>
<td>14*</td>
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<tr>
<td>Research seminar and thesis†</td>
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* School experience including teaching practice will be additional to these hours.
† Honours students only.

**The stages of Science subjects offered are:**

**STAGE II**

<table>
<thead>
<tr>
<th>Subject</th>
<th>112A and 112B</th>
<th>2002A and 2002B</th>
<th>111A, 111B and 1121A</th>
<th>25,502</th>
<th>two 90 hour units</th>
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**STAGE III**

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<tr>
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<td>Geology</td>
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<tr>
<td>Biology</td>
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<td></td>
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</table>

* See overleaf.
† Students will be asked to enrol in the component units separately.
STAGE IV

Physics ........ 1.113C and 1.143D
Chemistry ....... 2.003B and 2.003C
Geology ........ 25.504
Biology ........ two 90 hour units*

*BIOLOGY:
Stages two and three may be selected from the units:
41.101A Chemistry of Biologically Important Molecules
43.101A Genetics and Biometry
43.101B Plant Morphology A or
43.101C Plant Physiology
45.101B Invertebrate Zoology or
45.101C Vertebrate Zoology
One selected from units listed under Stage IV.

Stage IV may be selected from the units:
41.101B Metabolism
43.101B Plant Morphology A or
43.101C Plant Physiology
43.102E Environmental Botany
44.101A Introduction to Microbiology
45.101B Invertebrate Zoology or
45.101C Vertebrate Zoology
45.101D Field Ecology
45.102A Marine Ecology
45.102B Animal Behaviour
45.102E Invertebrate Behaviour
45.201A Insect Structure and Classification
73.011A Principles of Physiology

Selection of units is subject to agreement with the Heads of Schools concerned and in making the selection candidates must observe pre-requisites and co-requisites.

BACHELOR OF SCIENCE (EDUCATION)
Amended Course

(Year 1 and Year 2 will operate in 1973; Year 3 will begin to operate in 1974; Year 4 will begin to operate in 1975.)

YEAR 3 (FROM 1974) ................ Hours per week
Stage III of major subject ................ 9
58.513 Education IA* ................ 4†
58.523 Education IB† ................ 5†
62.001 History & Philosophy of Science I ...... 3

21†

* 58.513 Education IA and 58.523 Education IB are corequisites and 58.512 Introduction to Education is a prerequisite.
† The following subjects are prerequisites for 58.523 Education IB, 1.011 Higher Physics I or 1.001 Physics I or 1.041 Physics IC and 2.001 Chemistry I, 17.001 General and Human Biology and 25.111 Geoscience I, 58.512 Introduction to Education.
‡ School experience including teaching practice will be additional to these hours.
YEAR 4 (FROM 1975)  

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<th>Course Description</th>
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<td>58.514 Education IIA*</td>
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<tr>
<td>58.524 Education IIB*</td>
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<td>58.554 Research seminar and thesis†</td>
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</tbody>
</table>

* 58.513 Education IIA and 58.523 Education IIB are prerequisites for 58.514 Education IIA and 58.524 Education IIB.
**Teaching practice will be additional to these hours.
† Honours students only.

556. DIPLOMA IN EDUCATION

Since 1966 a course leading to the award of the Diploma of Education (DipEd) has been available to graduates from the University or other approved universities. The Diploma is designed to give professional training in education to postgraduate students. It is a one-year full-time course, but it is also possible for this course to be taken over two years, and in some circumstances over three years, on a part-time basis. The course includes lecture-seminars and associated group activities, individual assignments, observations of teaching methods and practice teaching.

The Study of Education

58.016 Seminars .............................................. 2
58.017 Education ............................................ 3*

* A weekly average for the two sessions. The amount per week will be related to practice teaching arrangements in the schools.

58.017 Education is a composite subject whose main components are Educational Psychology, Educational Practice, Philosophy and Theory of Education and Sociology of Australian Education.

The Study of Methods of Teaching

Two method subjects each for an average of 2½ hours per week (3 hours in Session 1 and 2 hours in Session 2) except in the case of Double Teaching Subjects which total 5 hours each per week (6 hours in Session 1 and 4 hours in Session 2). This will comprise lecture-seminars, and individual discussions with master teachers and method lecturers.

58.021 Commerce Method
58.022 English Method
58.023 French Method
58.024 Geography/Social Studies Method
58.025 German Method
58.026 Guidance Method
58.027 History Method
58.028 Library Method
58.029 Mathematics Method (Double Teaching Subject)
58.030 Mathematics Method (Single Teaching Subject)
58.031 Spanish Method
58.032 Slow Learner Method
58.033 Science Method (Double Teaching Subject)
58.034 Science Method (Single Teaching Subject)

Selected Activities
58.040 Selected Activities

Selected activities will include an elective subject. It may also include Health Education, Communication skills and other activities depending upon student needs and staff resources.

Practical Teaching and Observation
58.050 Practical Teaching and Observation

* A weekly average made up of both concurrent and block practice.

Note: If arrangements for concurrent practice lapse, students will undertake seven weeks of block practice teaching.

MASTER OF EDUCATION

The conditions for the award of the Master of Education degree are set out below. The course is designed for educationists who wish to study education at an advanced level and may be taken at two levels—pass and honours.

The Pass degree is generally taken by formal course work in four subjects together with a minor thesis or project. In approved cases students may take formal course work in two subjects only, and follow these with a major thesis. Applicants for registration for the honours degree are normally expected to satisfy in two formal courses at a suitable standard, and to submit a major thesis. Alternatively students without an honours degree in Education (or other relevant subject) may apply for registration after completing two formal courses at a suitable standard. Such successful applicants are expected to take two further formal courses, again at a suitable standard, and to submit a major thesis.

No student is permitted to proceed with experimental research in education unless he has included a formal course in Experimental Education. (This rule is waived only when the student has evidence of alternative qualifications or experience.)
Conditions for the Award of Degree of Master of Education

1. An application to register as a candidate for the Degree of Master of Education shall be made on the prescribed form which shall be lodged with the Registrar at least one full calendar month before the first session of the year for which the candidate requires to be registered.

2. An applicant for registration shall—
   (i) hold a degree of the University of New South Wales or other approved university,
   (ii) hold the Diploma in Education of the University of New South Wales or other approved university or possess qualifications accepted by the Higher Degree Committee of the Board of Vocational Studies (hereinafter referred to as "the Committee") as equivalent, and
   (iii) have had at least one year's practical experience in some branch of education acceptable to the Committee.

3. In special circumstances a person may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as may be approved by the Committee.

4. An approved applicant shall register in one of the following categories:
   (i) student in full-time attendance at the University;
   (ii) student in part-time attendance at the University;
   (iii) student working externally to the University;
   and shall pay such fees as may be determined from time to time by the Council.
5. The degree shall be awarded in two grades, namely the Pass degree and the degree with Honours. There shall be two classes of Honours, namely Class I and Class II.

6. Pass Degree

(i) Notwithstanding any other provisions of the conditions for registration, the Committee may require an applicant to demonstrate his fitness for registration for the pass degree by carrying out such work and passing such examinations as the Committee itself may determine.

(ii) A candidate for the pass degree may proceed either by research or by formal course work.

(iii) The programme for the pass degree by research shall include the submission of a thesis embodying the results of an original investigation, and two formal courses in education.

(iv) The programme for the pass degree by formal course work shall include four formal courses in education and the submission of a report on a topic approved by the Committee.

(v) No student shall proceed toward the pass degree by Research until he has completed two formal courses in education at a standard approved by the Committee, except that in special circumstances this requirement may be waived at the discretion of the Committee.

(vi) No student shall proceed with experimental research in education unless he has included a formal course in 58.205G Experimental Education, or has such other qualifications or experience as the Committee considers appropriate.

(vii) No student shall be considered for the award of the degree until the lapse of two sessions for a full-time student, or four sessions for a part-time or external student, from the date on which registration becomes effective. A student taking the Pass degree course on a full-time basis shall be required to complete it within four sessions, and one taking it part-time or working externally within eight sessions. Extension beyond these periods shall be granted only with the approval of the Committee.

(viii) For each thesis there shall be two examiners approved by the Professorial Board on the recommendation of the Committee, one of whom shall, if possible, be an external examiner.
(ix) Each report as provided for in para. 6 (iv) shall have two examiners approved by the Committee.

7. Honours Degree

(i) An applicant for registration for the Honours degree of Master of Education shall have been admitted to a Bachelor's degree in an approved university by a school or department of education, or to a degree of any other school or department considered appropriate by the Committee, at a standard not below second class Honours.

(ii) A student who does not satisfy the conditions for registration as provided in para. 7 (i) may apply for registration as an Honours candidate on completion of at least two of the formal courses provided for the Pass degree of Master of Education, at a standard approved by the Committee.

(iii) Notwithstanding any other provisions of these conditions the Committee may, on the recommendation of the Head of the School, require an applicant to demonstrate fitness for registration as a candidate for the Honours degree by carrying out such work and passing such examinations as the Committee may determine.

(iv) A student satisfying conditions for registration provided in para. 7 (i) shall be required to pass, at a standard approved by the Committee, two of the formal courses provided for the pass degree of Master of Education except that in special circumstances he may be granted exemption from this requirement.

(v) A student satisfying conditions for registration provided in para. 7 (ii) shall complete, at a standard approved by the Committee, a total of four such formal courses including the number passed prior to his registration as an Honours student.

(vi) Every candidate for the Honours degree shall submit a thesis embodying the results of an original investigation. He shall 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.

(vii) For each candidate submitting a thesis for the Honours degree there shall be at least two examiners appointed by the Professorial Board on the recommendation of the Committee, one of whom shall, if possible, be an external examiner.
(viii) No student shall be considered for the award of the degree until the lapse of four sessions for a full-time student, or six sessions for a part-time or external student, from the date on which registration becomes effective. A student taking the Honours degree course on a full-time basis shall be required to complete it within four sessions, and one taking it part-time or working externally within eight sessions. Extension beyond these periods shall be granted only with the approval of the Committee.

8. Every candidate who submits a thesis, for either an Honours or a Pass degree, shall submit three copies of the thesis in a form which complies with the requirements of the University for the preparation and submission of higher degree theses.

9. It shall be understood that the University retains the three 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.
The School of Health Administration, which was founded in 1956 with a grant from the W. K. Kellogg Foundation, offers both undergraduate and graduate programmes. The undergraduate course may be taken on a part-time basis and leads to the award of Bachelor of Health Administration. The School also offers one formal course in Health Administration leading to the award of a Graduate Diploma and another to the degree of Master of Health Administration. In addition, the Master's degree and the degree of Doctor of Philosophy may be taken following periods of full-time or part-time research in hospital and health service administration for which the School offers excellent facilities.

Because the course for 1973 has been revised, a student enrolled prior to 1973, who has passed in nine or more subjects, will be permitted to complete the requirements for the degree under the regulations which applied in 1972 (see page B 314, 1972 Calendar). A student enrolled prior to 1973, who has passed less than nine subjects under the old regulations, will complete the requirements for the degree under the new regulations. Where he has already passed 15.901 Economics (Health Administration), he will substitute 16.801 The Australian Health Care System for this subject in Year 2 (full-time) or Stage III (part-time external).

BACHELOR OF HEALTH ADMINISTRATION

Conditions for the Award of the Degree of Bachelor of Health Administration

1. A candidate for the degree of Bachelor of Health Administration shall:—
   (a) comply with the requirements for admission;
   (b) follow the prescribed course of study in the School of Health Administration and satisfy the examiners in the necessary subjects.

2. A student who is following the prescribed course of study as a part-time (external) student shall in each year attend the residential school conducted by the School of Health Administration.

3. A full-time student shall be required to complete the first year of the course in not more than two years. A part-time student
4. A student may be granted advanced standing by the Professorial Board on the recommendation of the Board of Vocational Studies. A student coming from another institution must follow an approved course of study in this University for at least two years if a full-time student or at least four years if a part-time student.

404. HEALTH ADMINISTRATION—FULL-TIME COURSE

Bachelor of Health Administration

<table>
<thead>
<tr>
<th>Hours per week</th>
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<th>SESSION 2</th>
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**YEAR 1**

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<tr>
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<td>16.201</td>
<td>Law I</td>
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| Credits | 12 6 12 6 |

**YEAR 2**

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<td>16.002</td>
<td>Management II</td>
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<td>16.003</td>
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| Credits | 12 6 12 6 |

**YEAR 3**

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| Credits | 12 6 12 6 |

### BOARD OF VOCATIONAL STUDIES

#### 404. HEALTH ADMINISTRATION—PART-TIME COURSE (EXTERNAL STUDIES)

Bachelor of Health Administration

<table>
<thead>
<tr>
<th>Stage</th>
<th>Course Title</th>
<th>Hours</th>
<th>Lectures</th>
<th>Tutorials</th>
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<td>16.601</td>
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<td>Comparative Health Care Systems</td>
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<td>16.302</td>
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<td>6</td>
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</table>
558. GRADUATE DIPLOMA IN HEALTH ADMINISTRATION

The School of Health Administration offers a course in Health Administration leading to the award of a Graduate Diploma.

The course provides an educational programme for persons employed in the health services who hold a degree, or equivalent qualification, and who wish to qualify for or extend their knowledge of administrative practice.

The Diploma is awarded on the successful completion of the following programme. The course may be taken by one year of full-time study or over two years on a part-time basis.

FULL-TIME COURSE

YEAR 1—SESSION 1

<table>
<thead>
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<th>Course Title</th>
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<tbody>
<tr>
<td>16.901G</td>
<td>Health Services Statistics I</td>
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</tr>
<tr>
<td>16.911G</td>
<td>Health Services Administration I</td>
<td>3</td>
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<tr>
<td>16.913G</td>
<td>Health Care Facilities A</td>
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<td>16.914G</td>
<td>Health Care Facilities B</td>
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<td>Health Care Facilities C</td>
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<td>16.916G</td>
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YEAR 1—SESSION 2

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<td>16.902G</td>
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<td>16.905G</td>
<td>Health Services Accounting</td>
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<td>16.908G</td>
<td>Behavioural Science (Health Administration)</td>
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<td>16.917G</td>
<td>Personnel Practice (Health Administration)</td>
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<tr>
<td>16.918G</td>
<td>Health Services Law</td>
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890. MASTER OF HEALTH ADMINISTRATION

The conditions for the award of the degree of Master of Health Administration, together with an outline of the formal course are set out overleaf. Acceptance into this course is dependent on the attainment of a satisfactory score on the Princeton Test for Graduate Study in Business. Information about this Test is available from the School of Health Administration.
In the formal course the students’ theoretical instruction is integrated with in-service experience and practical work-training in accordance with the view that administration is a practical art in which theory and practice are complementary and equally essential to the administrator’s development.

**YEAR 1—SESSION 1**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours per week</th>
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<tr>
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<td>16.903G</td>
<td>Health Services Organization</td>
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<td>16.904G</td>
<td>Australian Health Care System</td>
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<tr>
<td>33.302G</td>
<td>Behavioural Science I*</td>
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<td>33.303G</td>
<td>Management Accounting and Information Systems I*</td>
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<td>33.305G</td>
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**YEAR 1—SESSION 2**

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<td>16.905G</td>
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<td>16.908G</td>
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<td>33.310G</td>
<td>Management Accounting and Information Systems II*</td>
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<td>33.311G</td>
<td>Organization Theory II*</td>
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**YEAR 2—SESSION 1**

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<td>Community Health Planning</td>
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<td>16.910G</td>
<td>Comparative Hospital and Health Services Administration</td>
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<td>16.919G</td>
<td>Research Project</td>
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</tr>
<tr>
<td>33.304G</td>
<td>Micro-economics and Business Decisions*</td>
<td>2</td>
</tr>
<tr>
<td>33.306G</td>
<td>Quantitative Analysis in Business I*</td>
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**YEAR 2—SESSION 2**

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<td>Health Services Law</td>
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<td>33.309G</td>
<td>Macro-economics and Policy*</td>
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<td>33.313G</td>
<td>Quantitative Analysis in Business II*</td>
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<tr>
<td>33.326G</td>
<td>Business Law and Taxation*</td>
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* This subject is offered by the Graduate School of Business as part of the requirements for the Master of Business Administration degree.
Conditions for the Award of the Degree of Master of Health Administration

1. An application to register as a candidate for the degree of Master of Health Administration shall be made on the prescribed form which shall be lodged with the Registrar by the thirty-first of August of the year preceding that year in which the candidate desires to commence the course.

2. (i) An applicant for registration for the degree shall have been admitted to an appropriate degree in the University of New South Wales or other approved university.

(ii) In special circumstances a person may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as may be approved by the Board of Vocational Studies (hereinafter referred to as “the Board”) on the recommendation of its Higher Degree Committee.

3. Notwithstanding any other provisions of these conditions, the Board may require an applicant to demonstrate fitness for registration by carrying out such work and sitting for such examinations as the Board may determine.

4. In every case, before permitting an applicant to register as a candidate, the Board shall be satisfied that adequate supervision and facilities are available.

5. An approved applicant shall pay such fees as may be determined from time to time by the Council.†

6. Every candidate for the degree shall be required:

(i) To carry out a programme of advanced study; to take such examinations and to perform such other work as may be prescribed by the Board.

The programme of advanced study shall include:—

(a) attendance at the University in a prescribed course of formal work;

(b) attachments to hospitals and other organisations for in-service experience;

(c) the preparation and submission of a report on a project demonstrating originality.

The attachments referred to in paragraph 6(i)(b) and the investigation referred to in paragraph 6(i)(c) shall be under the direction of supervisors appointed by the Board or under such conditions as the Board may determine.

† For details of fees, see earlier under “Fees”.

For details of fees, see earlier under “Fees”.
A candidate who has already had adequate and satisfactory in-service experience may, with the approval of the Board, be exempt from the attachments referred to in paragraph 6(i)(b);

OR

(ii) To carry out a programme of advanced study and take such examinations and perform such other work as may be prescribed by the Board. The programme shall include the preparation and submission of a thesis embodying the results of an original investigation or design. The candidate may submit also for examination any work he has published, whether or not such work is related to this thesis.

7. An approved applicant shall register in one of the following categories:—

(i) student in full-time attendance at the University;
(ii) student in part-time attendance at the University;
(iii) student working externally to the University.

8. The report referred to in paragraph 6(i)(c) shall be on a topic approved by the Board on the recommendation of the Head of the School before the end of the third term of Year I. Unless permission to the contrary has been granted, a candidate shall be required to submit his report not earlier than four sessions, and not later than six sessions, from the date of registration.

9. Candidates for the award under the conditions contained in paragraph 6(ii) shall not be considered for the award of the degree until the lapse of four complete sessions from the date from which the registration becomes effective, save that in the case of full-time candidate who has obtained the degree of Bachelor with Honours or who has had previous research experience, this period may with the approval of the Board be reduced by not more than two sessions.

10. Every candidate for the degree shall be required to submit three copies of the report or thesis as the case may be. 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.*

11. It shall be understood that the University retains the three copies of the report or thesis submitted for examination, and is free to allow the report or thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act,

* See Section "C" of the University Calendar.
1968, the University may issue the report or thesis in whole or in part, in photostat or microfilm or other copying medium.

12. For each candidate's report or thesis there shall be at least two examiners, appointed by the Professorial Board on the recommendation of the Board of Vocational Studies, one of whom shall if possible be an external examiner.

13. The award of the degree taken in accordance with paragraph 6 (i) shall depend upon:—

(i) the candidate's performance in his in-service attachments;

(ii) the candidate's performance in the examinations;

(iii) the quality of the candidate's report.
DEPARTMENT OF INDUSTRIAL ARTS

The Department of Industrial Arts offers a B.Sc. degree available through full-time study in the general field of Industrial Arts. The subjects required to qualify for the degree are set out elsewhere in this Handbook. At the postgraduate level, the Department offers a course in Industrial Design leading to the award of a Graduate Diploma.

The Subject Matter of Industrial Arts

Through the ages, man has used his intellect, imagination and skill to create useful things. The term “industrial arts” has come to be used to describe these activities.

Man-made objects form a large part of the human environment — shelter, furniture, fabrics, vessels, tools, machines, vehicles and labour-saving devices of many kinds. Although these objects are designed and made primarily for some practical purpose, each individually makes some contribution to the total quality of the environment. Well-designed, well-made things of the practical kind may be considered “works of art”; thus the best products, whether handmade or factory produced are evidence of the industrial arts.

Before the growth of modern industrial society, it was possible to identify the industrial arts with certain skilled occupations, for example, gold and silversmithing, weaving, metalworking, woodworking and pottery. Industrial methods and mass production have changed the forms of intellect, imagination and skill required for the creation of useful objects. Products are now seldom the result of the activity of single individuals, rather they reflect the skills of many people applied through the industrial organisation. The study basic in Industrial Arts is the relationship between man and his material environment. The important elements in this study are man himself, the materials of his environment, the objects he produces and the processes he uses for production.

Such studies can be concerned as much with the useful objects of antiquity as with those of contemporary industrial civilisation. Thus the research activities of the Department of Industrial Arts range from an investigation into the traditional technologies of the ancient cultures to an analysis of the problems of industrial design in contemporary technological society.
The Industrial Arts Course

The course offered by the Department of Industrial Arts is intended to provide a broad understanding of the man-product relationship, with studies in depth of the most relevant areas of knowledge drawn from natural science, technology, social science and other fields. Of central importance is the subject Industrial Arts. The core study in this subject is Tectonic Design. Tectonics is the science and/or art of making things that are both useful and beautiful. Tectonic design is the process whereby materials, functional requirements, appearance, mechanical factors, cost etc. are related and integrated into products which satisfy human needs. The design strand is supported by parallel studies in graphics, materials, education. Graphics — the “visual language” of design — includes a variety of methods of drawing as well as other methods of visual representation, communication and analysis. The other subjects provide specialised information which is needed for the study and teaching of design, in particular, and of industrial arts generally.

Also included are Engineering I and elective studies in the sciences and general studies.

The Industrial Arts course covers the major subject areas included in both the secondary and senior secondary school curricula. After completion of the degree, graduates will be eligible to become certificated by the Department of Education as four-year trained teachers.

The undergraduate degree also provides a sound basic education for people intending to seek employment in the design field. A Graduate Diploma course in Industrial Design is available for those wishing to become professional Industrial Designers in the product design field.

In general, the Industrial Arts course provides a broad education which embraces the sciences, technological studies, the humanities, social sciences, and the arts. Education of this type is becoming increasingly important for employment in semi-technical fields such as technical sales, engineering administration, work study, technical writing and information services.

400. INDUSTRIAL ARTS—FULL-TIME COURSE

Bachelor of Science

A four year course of full-time study leading to the degree of Bachelor of Science (pass or honours).
### BOARD OF VOCATIONAL STUDIES

#### Hours per week for 2 sessions

<table>
<thead>
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<th>YEAR 1</th>
<th>Lec.</th>
<th>Lab./Tut.</th>
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<tbody>
<tr>
<td>1.011  Higher Physics I or 1.001 Physics I or 1.041 Physics I C</td>
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<tr>
<td>2.001 Chemistry I</td>
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<td>5.001 Engineering I</td>
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<td>12.001 Psychology I</td>
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#### YEAR 2

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<td>12.012 Psychology II</td>
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<td>21.011 Industrial Arts I</td>
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<td>21.201 Freehand Drawing</td>
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<td>58.512 Introduction to Education</td>
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*An elected science subject*

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#### YEAR 3

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<td>21.012 Industrial Arts II</td>
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</tr>
<tr>
<td>21.211 Drawing and Design</td>
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<td>21.902 Seminar</td>
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<tr>
<td>58.071 Methods of Teaching IA</td>
<td>2</td>
<td>1†</td>
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<td>58.513 Education IA*</td>
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*General Studies* | 1 | 1† |

*An elected science subject*

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<th>Course</th>
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<td>10.111B Pure Mathematics II—Analysis</td>
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<td>10.211A Applied Mathematics II—Mathematical Methods</td>
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*or*

<table>
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<th>Course</th>
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<td>27.002 Applied Geography II</td>
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*In 1973, 58.402/1 Education IIA, Part 1 will be taken in place of 58.513 Education IA.*

†School experience including teaching practice will be additional to these hours.
YEAR 4*

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<thead>
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<td>21.903</td>
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<td>58.072</td>
<td>Methods of Teaching IIA</td>
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<td>58.514</td>
<td>Education IIA</td>
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An elected science subject

10.111C Pure Mathematics II—Abstract Algebra
10.112D Pure Mathematics III—Set Theory
10.212A Applied Mathematics III—Numerical Analysis plus one of 10.112C, 10.112E or 10.212D.

or

27.042 Geography IIIA                     | 3    | 3         |

or

12.013 Psychology III†                    | 4    | 5         |

*The new syllabus does not apply to students enrolled in Year 4 in 1973. Please consult 1972 Calendar for course outline.

INDUSTRIAL ARTS—PART-TIME COURSE
Bachelor of Science (Technology)

This course is being progressively discontinued. Students should consult pages B319-B320 in the 1972 Calendar for the course outline.

557. INDUSTRIAL DESIGN GRADUATE COURSE
(Graduate Diploma)

The Department of Industrial Arts offers a postgraduate course in Industrial Design leading to the award of a Graduate Diploma. The course provides a broad education in industrial design for those students who hold first degrees. Although it is expected that students will, in general, come from the professions of engineering and architecture, the course has been so structured that graduates with the necessary talents and interests from other disciplines are provided for. According to demand, the course may be available on a full-time basis over one year or on a part-time basis over two years.

† Students are required to undertake such additional field work and clinical studies, averaging 2 hours per week, as may be prescribed by the Head of the School of Applied Psychology.

‡ School experience including teaching practice will be additional to these hours.
## PART-TIME COURSE

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>Hours per week for 2 sessions</th>
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<tbody>
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<td>21.501/1G Industrial Design</td>
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<tr>
<td>21.511/1G Design Projects</td>
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<td>21.521/1G Seminar</td>
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<tr>
<td>21.531/1G Creative Art Elective</td>
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## YEAR 2

<table>
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<th>Hours per week for 2 sessions</th>
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<tbody>
<tr>
<td>21.501/2G Industrial Design</td>
<td>4</td>
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<tr>
<td>21.511/2G Design Projects</td>
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<tr>
<td>21.521/2G Seminar</td>
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<tr>
<td>21.531/2G Creative Art Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>
SCHOOL OF LIBRARlANSHIP

The School of Librarianship offers postgraduate training leading to the Diploma in Librarianship (DipLib), the Diploma in Archives Administration (DipArchivAdmin) and the degree of Master of Librarianship (MLib).

559. DIPLOMA IN LIBRARlANSHIP

The course for the Diploma in Librarianship is designed to provide university graduates with a basic education in librarianship and some opportunity to specialize. Candidates must hold a degree, other than in Librarianship, from this University or other approved university. The University is unable, at this stage, to provide facilities for all eligible applicants, and admission is, therefore, competitive.

The course is a one-year full-time programme. In 1971 a revised programme was introduced and is known as the 1971 Course.

The 1970 Course

Details of the 1970 Course, which is being progressively discontinued, are given in the 1970 Calendar. Students registered for the diploma prior to 1971 will be able to satisfy requirements by completing 1970 Course subjects still being offered, or appropriate 1971 Course subjects approved by the Board of Vocational Studies. 1970 Course students must undertake the maximum number of compulsory subjects possible within their programme.

The 1971 Course

Students registering from 1971 onwards will undertake this course. It is made up of five compulsory subjects, four optional subjects and an assignment on an approved topic. The selection of optional subjects must be approved by the Head of the School of Librarianship, and must include two from Group I and two from Group II (55.369 Archives counts as two subjects).
FULL-TIME PROGRAMME*

YEAR 1

<table>
<thead>
<tr>
<th>Compulsory</th>
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<tbody>
<tr>
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<tr>
<td>55.114 Communication and Record</td>
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</tr>
<tr>
<td>55.122 Library Materials Selection and Organization</td>
<td>4</td>
</tr>
<tr>
<td>55.123 Reference Service and Materials</td>
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<tr>
<td>55.124 Library Administration</td>
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<tr>
<td>55.991 General Assignment</td>
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<table>
<thead>
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<th>Optional†</th>
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<tr>
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<tr>
<td>55.232 Subject Bibliography: The Social Sciences</td>
<td>0</td>
</tr>
<tr>
<td>55.233 Subject Bibliography: Pure and Applied Sciences</td>
<td>0</td>
</tr>
<tr>
<td>55.238 Subject Bibliography: Government Publications</td>
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</tr>
<tr>
<td>55.239 School Curricular Materials</td>
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<td>Group II</td>
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<tr>
<td>55.362 Mechanized Systems for Libraries</td>
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<td>55.369 Archives</td>
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<td>55.371 Children's Literature</td>
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<td>55.373 Public Libraries</td>
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<tr>
<td>55.378 University and College Libraries</td>
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<td>55.381 Special Libraries</td>
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</tr>
<tr>
<td>55.387 School Libraries</td>
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560. DIPLOMA IN ARCHIVES ADMINISTRATION

The course for the Diploma in Archives Administration is designed to provide education in the principles and methods of the administration of archives and allied materials, including current records and collections of manuscripts.

Candidates must hold a degree from the University of New South Wales or any other approved university. Candidates who have not studied Australian history and politics may be required to take a qualifying or concurrent programme approved by the Board of Vocational Studies.

* In addition to formal course work there will be occasional field excursions.
† Not all the optional subjects will necessarily be available each year.
Each candidate will complete the programme of study which may be taken as a full-time course in one year or as a part-time course over two years. Both are day-time courses.

In addition to formal course work there may be excursions to relevant institutions.

### FULL-TIME

<table>
<thead>
<tr>
<th></th>
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<th>SESSION 2</th>
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<tbody>
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<td>55.238 Subject Bibliography: Government Publications</td>
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<tr>
<td>55.712 Archives Theory and History</td>
<td>4</td>
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</tr>
<tr>
<td>55.713 Archives Administration</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>55.714 Information Environment for Archivists and any one of</td>
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<td>—</td>
</tr>
<tr>
<td>55.231 Subject Bibliography: The Humanities</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td>55.232 Subject Bibliography: The Social Sciences</td>
<td>—</td>
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<tr>
<td>55.233 Subject Bibliography: Pure and Applied Sciences</td>
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### PART-TIME

#### YEAR 1

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<td>55.238 Subject Bibliography: Government Publications</td>
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<tr>
<td>55.712 Archives Theory and History and any one of</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>55.231 Subject Bibliography: The Humanities</td>
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<td>2</td>
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<tr>
<td>55.232 Subject Bibliography: The Social Sciences</td>
<td>—</td>
<td>2</td>
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<td>—</td>
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#### YEAR 2

<table>
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<tr>
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<tr>
<td>55.714 Information Environment for Archivists</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>
MASTER OF LIBRARIANSHIP (MLib) (BY RESEARCH)

Conditions

1. The degree of Master of Librarianship (by research) may be awarded by the Council on the recommendation of the Professorial Board to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation.

2. Qualifications
   (i) An applicant for registration for the degree shall—
       (a) have been admitted to an appropriate degree in the University of New South Wales or other approved University at a level approved by the Higher Degree Committee of the Board of Vocational Studies (hereinafter referred to as the Committee) and
       (b) hold the Diploma in Librarianship of the University of New South Wales or possess a qualification accepted by the Committee as equivalent.
   (ii) In exceptional cases an applicant may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as may be approved by the Committee.
   (iii) 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.
   (iv) In every case before permitting an applicant to register as a candidate the Committee shall be satisfied that adequate supervision and facilities are available.

3. Registration
   (i) 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.
   (ii) An applicant shall enrol in one of the following categories—
       —student in full-time attendance at the University;
       —student in part-time attendance at the University;
       —student working externally to the University.
In all cases the proposed course of study shall be submitted to the Head of the School of Librarianship for approval.

(iii) A candidate shall be required to undertake an original investigation on a topic approved by the Committee. A candidate may also be required to perform other work as may be prescribed by the Committee. The Committee shall determine the maximum period of registration.

(iv) The progress of a candidate shall be reviewed annually by the Committee on the recommendation of the Head of the School of Librarianship and as a result of such review the Committee may terminate the candidature.

(v) No candidate shall be considered for the award of the degree until the lapse of three complete sessions in the case of a full-time candidate or four complete sessions in the case of a part-time or external candidate from the date from which registration becomes effective.

(vi) Notwithstanding clause 3 (v) above, the Committee may approve remission of up to one session for a full-time candidate or two sessions for a part-time or external candidate.

4. Thesis

(i) A candidate for the degree shall be required to submit three copies of a thesis embodying the results of the original investigation referred to in 3 (iii) above. 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.

(ii) It shall be understood that the University retains the three 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.

5. Examination

(i) A 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.

(ii) For each candidate there shall be at least two examiners appointed by the Committee, one of whom shall be an external examiner.
(iii) A candidate may be required to attend for an oral or written examination.

(iv) Consequent upon consideration of the examiners' reports the Committee shall recommend to the Professorial Board whether the candidate may be admitted to the degree.

6. Fees
An approved candidate shall pay such fees as may be determined from time to time by the Council.

MASTER OF LIBRARIANSHIP (MLib) (BY FORMAL COURSE WORK)

Conditions

1. The degree of Master of Librarianship (by formal course work) may be awarded by the Council on the recommendation of the Professorial Board to a candidate who has satisfactorily completed a programme of advanced study comprising formal course work and including the submission of a report on a project approved by the Higher Degree Committee of the Board of Vocational Studies (hereinafter referred to as the Committee).

2. Qualifications
   (i) An applicant for registration for the degree shall—
       (a) have been admitted to an appropriate degree in the University of New South Wales or other approved University at a level approved by the Committee, and
       (b) hold the Diploma in Librarianship of the University of New South Wales or possess a qualification accepted by the Committee as equivalent.
   (ii) In exceptional cases an applicant may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as may be approved by the Committee.
   (iii) 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.
3. **Registration**

(i) 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.

(ii) A candidate for the degree shall be required to undertake such course of formal study, pass such examinations and submit a report on a project, as prescribed by the Committee.

(iii) No candidate shall be considered for the award of the degree until the lapse of two sessions in the case of a full-time candidate or four sessions in the case of a part-time candidate from the date from which registration becomes effective. The Committee may approve remission of up to two sessions for a part-time candidate.

(iv) The progress of a candidate shall be reviewed annually by the Committee on the recommendation of the Head of the School of Librarianship and as a result of such review the Committee may terminate the candidature.

4. **Project**

(i) A report on a project approved by the Committee may be submitted at the completion of the formal section of the course, but in any case shall be submitted not later than one year after the completion of such course.

(ii) The format of the report shall accord with the instructions of the Head of School and shall comply with the requirements of the Committee for the submission of project reports.

(iii) (a) The report shall be examined by two examiners appointed by the Committee.

(b) A candidate may be required to attend for an oral or written examination.

5. **Recommendation for Admission to Degree**

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.

6. **Fees**

An approved candidate shall pay such fees as may be determined from time to time by the Council.
MASTER OF LIBRARIANSHIP COURSES

As the University's facilities are limited, admission may be competitive.
Not all subjects will necessarily be available each year.

298. MASTER OF LIBRARIANSHIP (BY RESEARCH)
In addition to the thesis requirement, each candidate will complete the following two subjects to be taken in one year:

<table>
<thead>
<tr>
<th>Hours per week</th>
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<tbody>
<tr>
<td>Session 1</td>
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<tr>
<td>55.805G Issues in Librarianship</td>
</tr>
<tr>
<td>55.807G Research Methods in Librarianship</td>
</tr>
</tbody>
</table>

892. MASTER OF LIBRARIANSHIP (BY FORMAL COURSE WORK)
Advanced training in librarianship by formal course work is designed to provide education in broad areas of specialization beyond the basic professional level. The present programme of study provides a course for those who will specialize in the application of principles to the organization and management of libraries and library departments.

Each candidate will complete the programme of study which may be taken on a full-time basis in one year and on a part-time basis over two years.

In addition to the formal course work, each candidate will be required to submit a report on a project (55.901G) involving individual study and investigation.

There may be occasional field excursions at times to be arranged.

FULL-TIME PROGRAMME

<table>
<thead>
<tr>
<th>Hours per week</th>
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<tbody>
<tr>
<td>Session 1</td>
</tr>
<tr>
<td>33.501G Organization and Management Theory*</td>
</tr>
<tr>
<td>33.502G Behavioural Science*</td>
</tr>
<tr>
<td>55.801G Library and Information Services Management A</td>
</tr>
<tr>
<td>55.803G Library and Information Services Management B</td>
</tr>
<tr>
<td>55.805G Issues in Librarianship</td>
</tr>
<tr>
<td>55.807G Research Methods in Librarianship</td>
</tr>
<tr>
<td>55.901G Project Report</td>
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</table>

* Subject offered by the Graduate School of Business as part of the requirements for the Diploma in Administration.
PART-TIME PROGRAMME

YEAR 1

<table>
<thead>
<tr>
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<td>33.501G</td>
<td>Organization and Management Theory*</td>
<td>2</td>
</tr>
<tr>
<td>33.502G</td>
<td>Behavioural Science*</td>
<td>2</td>
</tr>
<tr>
<td>55.801G</td>
<td>Library and Information Services Management A</td>
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</table>

YEAR 2

<table>
<thead>
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<th>Code</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>55.803G</td>
<td>Library and Information Services Management B</td>
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<tr>
<td>55.805G</td>
<td>Issues in Librarianship</td>
<td>0</td>
</tr>
<tr>
<td>55.807G</td>
<td>Research Methods in Librarianship</td>
<td>2</td>
</tr>
<tr>
<td>55.901G</td>
<td>Project Report</td>
<td>0</td>
</tr>
</tbody>
</table>

* Subject offered by the Graduate School of Business as part of the requirements for the Diploma in Administration.
SCHOOL OF SOCIAL WORK

The School of Social Work offers a course leading to the degree of Bachelor of Social Work. The degree of Master of Social Work (MSW) is also available, and may be undertaken by course work or by research.

BACHELOR OF SOCIAL WORK (BSW)

This undergraduate course may be taken full-time over four years or part-time over six years. It is designed to prepare students for the professional practice of social work.

The social work profession is primarily focused on problems in man's social relationships — in his interaction with other human beings and with man-made structures. The profession is concerned with the patterns, directions, quality, and outcomes of man's social relationships. It seeks to enhance social functioning by directing its attention both to the capacity of individuals, groups, organizations and communities for effective interaction, and to the contribution of socially-provided resources to social functioning.

Through their professional education, social work practitioners share common knowledge, values and skills. To become a professional person, the social work student needs to be as well informed about broad social welfare problems, policies and provision, and individual, group and sociocultural determinants of behaviour, as he is skilful in the use of social work methods. Members of the profession are particularly concerned that all people are treated with understanding and respect, especially those who are experiencing difficulties in their social living.

The objective of the course is to lay the ground-work for a variety of professional social work tasks. It is concerned with general approaches to problem-solving on a basis of scientific knowledge, professionally accepted values, and skills in interpersonal relations. While each student learns about all the main social work methods—social casework, social group work, community work, administration, and research—special care is taken to ensure that he acquires initial professional competence in at least one. In the later stages of the course the student concentrates upon the professional method of his choice.
The School provides opportunities, both in its regular subjects and in occasional special courses, for experienced social workers to keep abreast of educational developments in their specialized field, or method of work, or in some other field or method in which they have new responsibilities.

Field Education

A fundamental aspect of the course is supervised learning in the field, and this is in fact a basic requirement for the professional recognition of the degree. In the field instruction subjects—Social Work Practice IIB, Social Work Practice IIB, and Social Work Practice IIB—a student is under the supervision of a field instructor of the School, usually in a social work agency, while he learns to apply the principles of professional practice in an actual practice setting. From half-way through second year or the third stage of the part-time course, a total of 178 seven-hour days are taken up in this way. About half of these days are scheduled during academic recess periods. A student's four field work placements will be in more than one type of social work setting. Some of the settings used are: medical, psychiatric, family and child welfare, services to the aged, and corrective services. Non-government agencies and agencies at all levels of government are included in the programme.

Admission to the Course

Students should note that lack of facilities has caused restriction on entry to the course. Part-time students admitted are expected to have time available beyond that required by formal class attendance. Both the full-time and part-time courses are day courses.

Progression

Except with the permission of the Head of School, a student may not proceed to the next year of the full-time course, or the next stage of the part-time course, until he has fulfilled all the requirements of the previous year or stage.

Honours

An Honours degree is awarded for superior performance throughout the course, with greater weight being given to later years. There are three classes of Honours—First, Second (Division 1), and Second (Division 2).
# 403. SOCIAL WORK—FULL-TIME COURSE

**Bachelor of Social Work**

### YEAR 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Lec.</th>
<th>Other</th>
</tr>
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<tbody>
<tr>
<td>12.001</td>
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<tr>
<td>53.121</td>
<td>Sociology II</td>
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<tr>
<td>63.001</td>
<td>Australian Social Organization</td>
<td>2</td>
<td>1</td>
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and one other subject approved as counting towards the B.A. degree.

### YEAR 2

<table>
<thead>
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<td>Social Philosophy and Policy</td>
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<td>63.421</td>
<td>Social Welfare Systems I</td>
<td>2</td>
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<tr>
<td>63.511</td>
<td>Human Behaviour I</td>
<td>4</td>
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<td>63.611A</td>
<td>Social Work Practice IIA</td>
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<tr>
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</table>

* First session only.
† For most of Session 1, 1 hour lecture plus 3 hours of seminars.
‡ In Session 2, 2 hours lectures plus a 1 hour seminar.
**2-week block in mid-year recess + 2 days a week (no recess) for second half of the academic year—42 days (294 hours).

### YEAR 3

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<td>63.512</td>
<td>Human Behaviour II</td>
<td>3</td>
<td>1</td>
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<tr>
<td>63.612A</td>
<td>Social Work Practice IIIA</td>
<td>3</td>
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<td>63.612B</td>
<td>Social Work Practice IIIB</td>
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<tr>
<td>63.621</td>
<td>Social Work Research Methods I</td>
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<tr>
<td>General Studies Elective</td>
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</table>

† Session 2 only.
* 3-week block in February + 2 days a week (no recess) for Session 1—45 days (315 hours).

### YEAR 4

<table>
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<td>1</td>
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<tr>
<td>63.613A</td>
<td>Social Work Practice IIIA</td>
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<td>3</td>
</tr>
<tr>
<td>63.613B</td>
<td>Social Work Practice IIIIB</td>
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<tr>
<td>63.622</td>
<td>Social Work Research Methods II</td>
<td>0</td>
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<tr>
<td>General Studies Elective**</td>
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* Part 1: 8-week block in January and February—40 days (280 hours).
Part 2: 3-week block in mid-year recess + 2 days a week (no recess) until the end of November (1 week break for examinations)—51 days (357 hours).
† Session 1 only.
**Not required of students who entered the course prior to 1972.
Bachelor of Social Work

<table>
<thead>
<tr>
<th>STAGE</th>
<th>Course Name</th>
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<td>2</td>
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<tr>
<td>53.121</td>
<td>Sociology II</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>63.001</td>
<td>Australian Social Organization</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STAGE 2</th>
<th>Course Name</th>
<th>Lec.</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>63.412</td>
<td>Social Philosophy and Policy</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>General Studies Elective*</td>
<td>1</td>
<td>½</td>
<td></td>
</tr>
</tbody>
</table>

and one other subject approved as counting towards the BA degree.

* Not required of students who entered the course prior to 1972.

<table>
<thead>
<tr>
<th>STAGE 3</th>
<th>Course Name</th>
<th>Lec.</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>63.421</td>
<td>Social Welfare Systems I</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>63.511</td>
<td>Human Behaviour I</td>
<td>4</td>
<td>2†</td>
</tr>
<tr>
<td>63.611A</td>
<td>Social Work Practice IA</td>
<td>3</td>
<td>1**</td>
</tr>
<tr>
<td>63.611B</td>
<td>Social Work Practice IB</td>
<td>1</td>
<td>1†</td>
</tr>
</tbody>
</table>

* Session 1 only.

**For most of Session 1, 1 hour lecture plus 3 hours of seminars.

† In Session 2, 2 hours lectures plus a 1 hour seminar.

‡ 2-week block in mid-year recess + 2 days a week (no recess) for Session 2 of the academic year—42 days (294 hours).

<table>
<thead>
<tr>
<th>STAGE 4</th>
<th>Course Name</th>
<th>Lec.</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>63.422</td>
<td>Social Welfare Systems II</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>63.512</td>
<td>Human Behaviour II</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>General Studies Elective</td>
<td>1</td>
<td>½</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STAGE 5</th>
<th>Course Name</th>
<th>Lec.</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>63.612A</td>
<td>Social Work Practice IIA</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>63.612B</td>
<td>Social Work Practice IIB</td>
<td>1</td>
<td>1**</td>
</tr>
<tr>
<td>63.621</td>
<td>Social Work Research Methods I</td>
<td>0</td>
<td>2*</td>
</tr>
<tr>
<td>General Studies Elective</td>
<td>1</td>
<td>½</td>
<td></td>
</tr>
</tbody>
</table>

* Session 2 only.

**3-week block in February + 2 days a week (no recess) for Session 1—45 days (315 hours).

<table>
<thead>
<tr>
<th>STAGE 6</th>
<th>Course Name</th>
<th>Lec.</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>63.423</td>
<td>Social Welfare Systems III</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>63.613A</td>
<td>Social Work Practice IIIA</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>63.613B</td>
<td>Social Work Practice IIIB</td>
<td>1</td>
<td>3*</td>
</tr>
<tr>
<td>63.622</td>
<td>Social Work Research Methods II</td>
<td>0</td>
<td>2**</td>
</tr>
</tbody>
</table>

*Part 1: 8-week block in January and February—40 days (280 hours).

Part 2: 3-week block in mid-year recess + 2 days a week (no recess) until the end of November (1 week break for examinations)—51 days (357 hours).

**Session 1 only.
MASTER OF SOCIAL WORK

The degree of Master of Social Work may be undertaken by research or by formal course work.

The primary requirement for the research degree is the submission of a thesis embodying the results of an original investigation. Candidates are also required to complete the subjects 63.807G Social Policy Analysis and 63.814G Social Planning.

The course work Master's degree is designed to extend the professional knowledge of qualified social workers. Candidates may specialize either in interpersonal helping or in community work and administration. The course will be offered on a full-time basis in 1973, but may in the future be available over two years of part-time study.

Conditions for the Award of the Degree of Master of Social Work (MSW) by Formal Course Work

1. The degree of Master of Social Work (by formal course work) may be awarded by the Council on the recommendation of the Professorial Board to a candidate who has satisfactorily completed a programme of advanced study comprising formal course work and including the submission of a report on a project approved by the Higher Degree Committee of the Board of Vocational Studies (hereinafter referred to as the Committee).

2. Qualifications

(i) An applicant for registration for the degree shall—

(a) at a level approved by the Committee, have been admitted to the degree of Bachelor of Social Work in the University of New South Wales, or hold equivalent qualifications accepted by the Committee; and

(b) have had at least one year's professional experience acceptable to the Committee.

(ii) In exceptional cases an applicant may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as may be approved by the Committee.

(iii) 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.
3. **Registration and Candidature**
   
   (i) An application to register as a candidate shall be made on the prescribed form which shall be lodged with the Registrar at least six weeks before the commencement of the session in which the candidate desires to commence.

   (ii) A candidate for the degree shall be required to undertake such course of formal study, submit a report on a project, and pass such examinations as prescribed by the Committee.

   (iii) The progress of a candidate shall be reviewed annually by the Committee on the recommendation of the Head of the School of Social Work and as a result of such review the Committee may terminate the candidature.

4. **Project**
   
   (i) The report on the project approved by the Committee may be submitted at the completion of the formal section of the course, but in any case shall be submitted not later than one session after the completion of such course.

   (ii) The format of the report shall accord with the instructions of the Head of the School of Social Work and shall comply with the requirements of the Committee for the submission of project reports.

   (iii) (a) The report shall be examined by two examiners appointed by the Committee.

   (b) A candidate may be required to attend for an oral or written examination.

5. **Recommendation for Admission to Degree**
   
   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.

6. **Fees**
   
   An approved candidate shall pay such fees as may be determined from time to time by Council.

893. **MASTER OF SOCIAL WORK**

**YEAR 1—SESSION 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>63.622</td>
<td>Social Work Research Methods II</td>
<td>2</td>
</tr>
<tr>
<td>*63.801G</td>
<td>Advanced Social Work Practice I (Interpersonal Helping)</td>
<td>4</td>
</tr>
</tbody>
</table>

*To be taken only by students specialising in Interpersonal Helping.*
**Conditions for the Award of the Degree of Master of Social Work (MSW) by Research**

1. The degree of Master of Social Work (by research) may be awarded by the Council on the recommendation of the Professorial Board to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation, and who has completed a prescribed programme of advanced study extending over one academic year.

2. **Qualifications**

   (i) An applicant for registration for the degree shall—

   (a) have been admitted to the degree of Bachelor of Social Work at honours standard in the University of New South Wales, or hold equivalent qualifications, or

   (b) have been admitted to the degree of Bachelor of Social Work in the University of New South Wales or hold equivalent qualifications accepted by the
Higher Degree Committee of the Board of Vocational Studies (hereinafter referred to as the Committee) at a level approved by the Committee; and shall have had at least one year's professional experience acceptable to the Committee.

(ii) In exceptional cases an applicant may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as may be approved by the Committee.

(iii) 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.

(iv) In every case before permitting an applicant to register as a candidate the Committee shall be satisfied that adequate supervision and facilities are available.

3. Registration and Candidature

(i) 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.

(ii) An applicant shall enrol in one of the following categories:
—student in full-time attendance at the University
—student in part-time attendance at the University
—student working externally to the University.

(iii) In all cases the proposed course of study shall be submitted to the Head of the School of Social Work for approval.

(iv) Every candidate for the degree shall be required
(a) to prepare and submit a thesis on a topic approved by the Committee, embodying the results of an original investigation; and
(b) to carry out a prescribed programme of advanced study extending over one year, as approved by the Committee.

(v) The progress of a candidate shall be reviewed annually by the Committee on the recommendation of the head of the School of Social Work and as a result of such review the Committee may terminate the candidature.
(vi) Unless permission to the contrary has been granted, a full-time candidate shall be required to submit his thesis not earlier than three sessions, and not later than four sessions, from the date of registration; a part-time candidate, not earlier than four sessions, and not later than six sessions, from the date of registration.

4. Thesis

(i) A candidate for the degree shall be required to submit three copies of a thesis embodying the results of the original investigation referred to in 3 (iv) above. 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.

(ii) It shall be understood that the University retains the three 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.

5. Examination

(i) A 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.

(ii) For each candidate there shall be at least two examiners appointed by the Committee, one of whom shall be an external examiner.

(iii) A candidate may be required to attend for an oral or written examination.

(iv) Consequent upon consideration of the examiners' reports the Committee shall recommend to the Professorial Board whether the candidate may be admitted to the degree.

6. Fees

An approved candidate shall pay such fees as may be determined from time to time by the Council.
For General Studies booklists and descriptions of subjects please consult General Studies handbook which is available free of charge.

SCHOOL OF PHYSICS

1.001 Physics I


TEXTBOOKS

Bueche, F. Introduction to Physics for Scientists and Engineers. McGraw-Hill.


Russell, G. J., Dunn, I., and Hignbotham, J. Laboratory Notes for Physics I. N.S.W.U.P.

1.011 Higher Physics I

Subject matter same as 1.001, but in greater depth.

TEXTBOOKS


Russell, G. J., Dunn, I., and Hignbotham, J. Laboratory Notes for Physics I. N.S.W.U.P.
1.041 Physics IC (For Students taking only one year of Physics)


TEXTBOOKS
Lishmund, R. E. Introductory Physical and Geometrical Optics. N.S.W.U.P.
Parry, L. G. & Jennings, P. J. Modern Physics. U.N.S.W.
Russell, G. J., Dunn, I. & Higinbotham, J. Laboratory Notes for Physics I. N.S.W.U.P.
1.112A Electromagnetism

Electrostatics in vacuum and in dielectrics. Magnetostatics in vacuum and in magnetic materials. Maxwell’s equations and simple applications.

TEXTBOOK

1.112B Modern Physics


TEXTBOOK

1.112C Waves in Continuous Media and Thermodynamics


TEXTBOOKS

1.113A Wave Mechanics and Spectroscopy

PREREQUISITE
1.112B

CO-REQUISITE
1.112C

Concepts; harmonic oscillator; uncertainty principle; the free particle; barriers, the hydrogen atom, many electron atoms, removal of degeneracy; spectroscopy; molecules; periodic potentials; band structure; perturbations.

TEXTBOOK

1.113D Astrophysics and Nuclear Physics

PREREQUISITES
1.112B, 1.113A.

The observational environment, optical astronomy, radio astronomy, X-ray astronomy, stellar evolution, radio sources, the sun. Detecting instruments and accelerators for nuclear particles, radioactive processes, nuclear reactions, angular distributions, mesons, baryons, excited nuclear states.
1.143D Conceptual Framework of Physics

PREREQUISITES

1.112A, 1.112B & 1.112C (this last unit may be taken as a co-requisite in special cases).

Physics and Metaphysics: The place of speculation in theory formation. Space and Time: Systems of coordinates, the nature and arrow of time, parity, micro causality. Fundamental Physical Phenomena: The fundamental phenomena on which physical theories have been based; electrical, gravitational, inertial nuclear and entropy/probability. Field Theory: In particular e.m. and gravitational field theory. Mathematical formalization of physical phenomena, action at a distance, field propagation, field energy, connection to relativity. Relativity: The fundamental postulates, simultaneity, limiting speeds, connection with field theory, mass and energy. Relationship between Micro- and Macro-Cosmos: Divisibility of matter (molecules, atoms, nuclei, nucleon), matter and anti matter, statistical nature of the behaviour of large aggregates or systems, the concept of entropy, the second law of thermodynamics. The place of determinism in physics. Matter and Energy: Conservation laws, inertial mass, equivalence principle, field energy, spatial delimitation of material particles. Theory of Quantum Processes: Granularity effects, uncertainty principle, effects of measurements, virtual processes. Determinism vs. indeterminism in physics, application to nuclear phenomena.

TEXTBOOKS

No prescribed textbooks.

1.113Z Techniques and Design for Experimental Physics

Individual investigation to develop essential practical skills such as electronic assembly and glass-blowing. Individual or small group projects to solve associated practical and theoretical problems. This unit is a preparation for experimental research and is especially aimed to equip prospective physics teachers to devise experiments and design equipment.

TEXTBOOKS

No prescribed textbooks.

N.B. An alternative level III Physics Unit may be substituted for 1.113A, C or D with the approval of the Head of the School of Physics.

1.113C Statistical Mechanics and Solid State

Thermodynamic potentials, ensembles and partition functions, lattice vibrations, the grand canonical ensemble, Pauli exclusion principle, Bose-Einstein and Fermi-Dirac distributions.
Structure of crystals, imperfections, specific heat. Band theory of solids, semiconductors.

TEXTBOOKS


SCHOOL OF CHEMISTRY

2.001 Chemistry I

Classification of matter and theories of the structure of matter. Atomic structure, the periodic table and chemical behaviour. Chemical bonds and molecular structure. Equilibrium and change in chemical systems. The structure, nomenclature and properties of organic compounds. Reactions of organic compounds.

TEXTBOOKS


REFERENCE BOOKS


2.002A Chemistry II (Physical Chemistry)

Quantum mechanics; molecular energy and thermodynamics; chemical application of thermodynamics; surface and colloid chemistry.
TEXTBOOKS

REFERENCE BOOKS
Barrow, G. M. *Structure of Molecules*, Benjamin, 1963.

PREREQUISITES
2.001 Chemistry I.
10.001 Mathematics I or 10.011 Higher Mathematics I or 10.021 Mathematics IT.
1.001 Physics I or 1.011 Higher Physics I or 1.041 Physics IC.
This unit consists of 6 hours per week for one session.

2.002B Chemistry II (Organic Chemistry)
Chemistry of the more important functional groups: aliphatic hydrocarbons, monocyclic aromatic hydrocarbons, halides, alcohols, phenols, aldehydes, ketones, ethers, carboxylic acids and their derivatives, nitro compounds, amines, and sulphonyl acids.

TEXTBOOKS
2. One of the following:

PREREQUISITES
2.001 Chemistry I.
10.001 Mathematics I or 10.011 Higher Mathematics I or 10.021 Mathematics IT.
This unit consists of 6 hours per week for one session.

2.002C Chemistry II (Inorganic Analytical Chemistry)
Chemistry of non-metals; chemistry of typical metals; transition metals, lanthanides and actinides; introduction to nuclear chemistry. Quantitative inorganic analysis.
TEXTBOOKS

REFERENCE BOOKS

PREREQUISITES
2.001 Chemistry I.
10.001 Mathematics I or 10.011 Higher Mathematics I or 10.021 Mathematics II.

2.003A Chemistry III (Physical Chemistry)
Physico-chemical aspects of spectroscopy—quantum mechanical approach; electronic and vibrational spectra; nuclear magnetic resonance and electron spin resonance spectroscopy. Chemical kinetics—transition state theory; theories of unimolecular reactions; chemistry of excited species.

TEXTBOOKS

REFERENCE BOOKS

PREREQUISITES
2.002A Physical Chemistry.
This unit consists of 6 hours per week for one session.
2.003D Chemistry III (Analytical Chemistry)

Ionic equilibria in solution; advanced qualitative analysis; advanced electrochemical analysis; advanced spectrophotometry; separations and pre-concentrations.

TEXTBOOKS

PREREQUISITES
2.002A Physical Chemistry.
This unit consists of 6 hours per week for one session.

2.003B Chemistry III (Organic Chemistry)

Stereochemistry of acyclic systems. Alicyclic chemistry: the synthesis and properties of monocyclic systems, conformational aspects of cyclohexane and related systems, rearrangement reactions and the chemistry of fused and bridged polycyclic compounds.

Heterocyclic chemistry: the chemistry of pyridine, quinoline, isoquinoline, and benzopyran and its derivatives. The chemistry of pyrrole, furan, and thiophene and their benzo derivatives. The chemistry of pyrimidine, imidazole, and pyrazole.

TEXTBOOKS
One of the following

REFERENCE BOOKS


**PREREQUISITES**

2.002B Organic Chemistry.

This unit consists of 6 hours per week for one session.

**2.003C Chemistry III (Inorganic Chemistry)**

Molecular structure determination, with particular reference to complex salts, optical activity, crystal structure, systematic chemistry of the lanthanides and transition elements, further chemistry of nitrogen, sulphur and the halogens.

**TEXTBOOKS**


**REFERENCE BOOKS**


**PREREQUISITES**

2.002C Inorganic Analytical Chemistry.

**SCHOOL OF METALLURGY**

**4.911 Materials Science**

The atomic structure of metals. The grain structure of metals; origin; modification. Structure of alloys—theory. Structure, properties and heat treatment of commercially important alloys based on aluminium, copper and iron in particular. Corrosion. Control of structure and properties, commercial alloys, materials selection.

**4.951 Materials Technology**


The structure, properties and technology of wood.
5.001 Engineering I

PRE-REQUISITE
None.

A. Introduction to Engineering


(ii) Computers—Introduction and Concepts: Introduction to computers to follow the computer work in Mathematics I. To develop: (a) familiarity with algorithms; (b) the use of procedure oriented languages; and (c) an introduction to computing equipment.

Systems—Introduction and Concepts: Concepts and introduction to systems. To give students an appreciation of some of the concepts used in engineering, to relate the concepts to phenomena within their experience, and to illustrate them by case histories and engineering examples. Quantities. Concepts. Components. Systems.

(iii) Introduction to Engineering Design: Engineering method, problem identification, creative thinking, mathematical modelling, materials and processes, computer aided design, communication of ideas, the place of engineering in society.


C. Engineering Drawing: Fundamental concepts of descriptive geometry, including reference systems, representation of point, line and plane; fundamental problems of position and of measurement. Application of descriptive geometry to certain problems arising in engineering practice. Special emphasis on ability to visualize problems and processes involved in their solution. Instruction in the correct use of drawing instruments and the application of drawing standards. Measurements and dimensioning. Orthographic and isometric projections.

TEXTBOOKS

Harrisberger, L. Engineersmanship. Wadsworth. or
Krick, E. V. Introduction to Engineering and Engineering Design. Wilcy.
Meriam, J. L. Statics. Wiley.
Robertson, R. G. Descriptive Geometry. Pitman.
Thomson, R. Exercises in Graphic Communications. Nelson.

SCHOOL OF MATHEMATICS

10.001 Mathematics I

Calculus, analysis, analytic geometry, linear algebra, an introduction to abstract algebra, elementary computing.
TEXTBOOKS
Blatt, J. M. Introduction to Fortran IV Programming. Prentice-Hall.

REFERENCE BOOKS
Lange, I. H. Elementary Linear Algebra. Wiley.
Shields, P. C. Elementary Linear Algebra. Worth.
Spivak, M. Calculus. Benjamin.

PRELIMINARY READING LIST
Courant, R. & Robbins, H. What is Mathematics. O.U.P.
Polya, G. How to Solve It. Doubleday Anchor.

10.011 Higher Mathematics I
Calculus, analytic geometry, linear algebra, an introduction to abstract algebra, elementary computing.

TEXTBOOKS
Blatt, J. M. Introduction to Fortran IV Programming. Prentice-Hall.
Kelly, G. M. Algebra. N.S.W.U.P.
Spivak, M. Calculus. Benjamin.

REFERENCE BOOKS
As for 10.001 plus:
Abraham, R. Linear and Multilinear Algebra. Benjamin.
Burkhill, J. C. A First Course in Mathematical Analysis. C.U.P.
Crowell, R. H. & Williamson, R. E. Calculus of Vector Functions. Prentice-Hall.
Lang, S. Linear Algebra. Addison-Wesley.
Spivak, M. Calculus on Manifolds. Benjamin.
PRELIMINARY READING LIST

As for 10.001 plus:
David, F. N. *Games, Gods and Gambling*. Griffin.

10.021 Mathematics IT

Calculus, analysis, analytic geometry, algebra, probability theory, elementary computing.

TEXTBOOKS
Blatt, J. M. *Introduction to Fortran IV Programming*. Prentice-Hall.
Greening, M. G. *First Year General Mathematics*. N.S.W.U.P.

REFERENCE BOOKS
Hoyt, J. P. *A Brief Introduction to Probability Theory*. International Text Book Co.

Mathematics II

Consists of 10.111A, 10.111B and 10.211A.

10.111A Pure Mathematics II—Linear Algebra

Vector Spaces: inner products, linear operators, spectral theory, quadratic forms. Linear Programming: convex sets and polyhedra, feasible solutions, optimality, duality.

TEXTBOOKS

10.111B Pure Mathematics II—Analysis

Complex variables: analytic functions, elementary functions, Taylor and Laurent series, integrals, Cauchy’s theorem, residues, evaluation of certain real integrals, maximum modulus principles. Linear differential equations of the second order: equations with constant coefficients, power series solutions, Laplace transforms, Bessel functions.

TEXTBOOKS
Purcell, E. J. *Calculus with Analytic Geometry*. Appleton-Century-Croft.
10.211A Applied Mathematics II—Mathematical Methods

Review of functions of two and three variables, divergence, gradient, curl; line, surface, and volume integrals; Green's and Stokes' theorems. Special functions, including gamma and Bessel functions. Differential equations and boundary value problems, including vibrating string and vibrating circular membrane; Fourier series and Fourier-Bessel series.

TEXTBOOKS
Blatt, J. M. *Introduction to Fortran IV Programming*. Prentice-Hall.
Bowman, F. *Introduction to Bessel Functions*. Dover.

SCHOOL OF APPLIED PSYCHOLOGY

12.001 Psychology I

An introduction to the content and methods of psychology as a behavioural science, with special emphasis on (a) the biological and social bases of behaviour, (b) learning, and (c) individual differences.

The course includes training in methods of psychological enquiry, and the use of elementary statistical procedures.

*Part A—Theory*

TEXTBOOKS

AND
(Recommended as an additional textbook for intending Honours students.)

REFERENCE BOOKS
12.012 Psychology II

Research Methods and topics selected from the following: Physiological Psychology, Human Information Processing, Abnormal Psychology, Social Psychology, Developmental Psychology, Learning, Personality, Motivation, Psychological Assessment and Perception.

TEXTBOOKS
Students should consult Head of School for details.

12.013 Psychology III

Research Methods and selected areas are studied at an advanced level. Candidates should select their areas of special study from the following list in consultation with the School of Applied Psychology: Physiological Psychology, Human Information Processing, Abnormal Psychology, Social Psychology, Developmental Psychology, Learning, Personality, Motivation, Psychological Assessment, Perception, Guidance and Counselling, Industrial Psychology, Behavioural Control and Modification, and Psychological Techniques.

Part A—Research Methods III

TEXTBOOKS
Students should consult Head of School for details.

SCHOOL OF ACCOUNTANCY

14.001 Introduction to Accounting

An introduction for non-commerce students to the nature, purpose and conceptual foundation of accounting. Information systems including accounting applications. Analysis and use of accounting reports. Relevance of accounting to managerial and technological functions including planning, decision-making and control.

PRELIMINARY READING

TEXTBOOK

14.023 Accounting for Health Administration

Introduction to the fund theory of accounting. The recording of hospital transactions in the various funds and the preparation, analysis and interpretation of historical accounting reports. Internal control, budgeting and cost analysis in the hospital context.

TEXTBOOKS

**SCHOOL OF ECONOMICS**

**15.901 Economics (Health Administration)**

An introductory examination of the working of a modern economic system, with some reference to Australian economic institutions and conditions.

The main topics are: consumer demand, cost analysis, market equilibrium, money and banking, pricing of factors of production, investment decisions, international trade, social accounting, social welfare, population trends and policy; and Australian economic institutions, including trade unions, arbitration system, the Tariff Board, the Reserve Bank.

**TEXTBOOKS**


**SCHOOL OF HEALTH ADMINISTRATION**

**16.001 Management I**

Introduction to the theory of administration and management; concepts such as responsibility, authority, supervision, organization, delegation and control; decision-making, aids to decision-making; nature and place of communication in management.

**TEXTBOOKS**


**16.002 Management II**

An introduction to general systems theory, and an examination of health care organizations as open socio-technical systems. Systems analysis. Operations research methods and the applications of these techniques to health care decision-making. A basic introduction to computer technology and the uses of computers in health services management. Hospital and health information systems.

**TEXTBOOKS**

16.003 Management III

Extends the principles introduced in Management I and Management II into the operation and management of health services. Examines concepts of health, systems theory and health, planning health systems and managerial functions in health services and hospital settings.

TEXTBOOKS
Hetzel, B. S. Life and Health in Australia. A.B.C., 1971.

REFERENCE BOOK

16.101 Comparative Health Care Systems

A comparative study of American, English and other selected health services, using the same bases as 16.801. The Australian Health Care System in relation to: public health services; personal health services; hospital services, comparing the roles of government and private enterprise; health manpower; financing; legislation; regionalisation; organizational developments.

TEXTBOOKS

REFERENCE BOOK
Lindsay, A. Socialised Medicine in England and Wales. Chapel Hill, 1962.

16.201 Law I

Introduction to the Australian legal system; the formal sources of law, the judicial process; rules of statutory interpretation; the nature of federation; the division of powers between the Commonwealth and the States; the Social Services power; introduction to the law of contract, insurance and bailment contracts; introduction to the law of tort, employers' liability, tort of negligent advice.

TEXTBOOKS
16.202 Law II

General principles of the law of tort, vicarious liability; the “foreseeability” test, recent decision thereon; principles of medical negligence, law relating to consent and the principle of necessity; law relating to illegal operations; the liability of hospitals; occupiers’ liability, industrial law, the Federal and State systems, industrial relations; workers’ compensation; important Commonwealth and State legislations.

TEXTBOOKS

16.301 Political Science

A general introduction to the study of politics, with special reference to Australian political institutions and administrative practices. Topics covered include the following: Concepts and theories of politics; Australian political institutions and the party system. The constitution and intergovernmental financial and legal relations; public administration with special reference to the Commonwealth and New South Wales public services.

TEXTBOOKS

16.302 Social Administration

An historical overview of the development of social welfare policy in Australia with particular regard to income security and social service benefits. The present structure of social welfare services in Australia and other countries; current policy issues.

TEXTBOOKS

16.601 Behavioural Science I

A general introduction to individual and group behaviour through the study of sociological, psychological and anthropological concepts. There will also be an introduction to the social aspect of exchange processes. As far as possible, the course will tend to integration rather than separation of these various disciplines so that students will learn about human behaviour, rather than learning psychology, sociology or anthropology.
16.602 Behavioural Science II

A study of one branch of behavioural science, namely medical sociology. Students will consider the social role of medicine in our society, the nature of patient-healer relationships, the hospital as a social system, the processes of becoming a patient, illness as a social role, aspects of social class and status as they affect relationships in the health care system, social consequences of medical diagnosis and labelling, medical politics, and the place in society and in the health system of such special groups as the physically and mentally handicapped, the aged, and some minority groups such as aborigines and migrants.

16.701 Statistics


16.801 The Australian Health Care System

Historical introduction; the present pattern of health care delivery; environmental health services; institutional care; community health services for special groups; specialised and supporting services; health service personnel; health service finance; critique of the Australian health care system.
16.921 Health Care Planning I

Health planning concepts; the determinants of provision; environmental health planning; planning for maternal and child health; health care planning for youth; services for the working population and the aged; planning to meet the needs of special groups; planning for the integration and evaluation of services.

TEXTBOOK

REFERENCE BOOKS

16.922 Health Care Planning II

The planning and design process; composition and responsibilities of planning teams; briefing, proposal and approval of design projects; history of hospital design; planning for change and growth; national, regional and local planning requirements; location and siting of health care facilities; organisational requirements of hospital layout; supply and communication requirements; environmental design and safety; ergonomics of hospital equipment; hospital building structures and engineering services; building and equipment maintenance; modernisation and efficiency; building contract management; cost planning; commissioning and evaluation.

TEXTBOOKS
16.923 Health Care Planning III

Planning and design for particular functions in health care facilities; nursing units, patient's room and equipment design; general and special nursing units; diagnostic and treatment facilities; outpatients and emergency services; health centres and G.P. surgeries; administrative, educational and residential accommodation; supply departments and works services.

TEXTBOOKS
Llewelyn-Davies, R. & Macauley, H. M. C. Hospital Planning and Administration. WHO, 1966.

16.901G Health Services Statistics I

Statistical methods and theory: frequency distributions and their description; an introduction to probability; principles of sampling; estimation and hypothesis testing; statistical decision theory; normal, Poisson and binomial distributions; linear regression; index numbers; time series analysis.

TEXTBOOKS

REFERENCE BOOKS

16.902G Health Services Statistics II

The application of statistical methods to problems of management and problems of direct relevance to the health care field. Introduction to operations research (inventory theory, queuing theory, linear programming, PERT AND CPM); applications of O.R. to hospital management problems; vital statistics and demography (measures of fertility and mortality, construction and use of life tables); hospital and health statistics; PAS/MAP and other hospital information systems.

TEXTBOOKS

**REFERENCE BOOKS**

**16.903G Health Services Organization**

Relates the material presented in Behavioural Science I and Organization Theory I to the hospital and health care environment. Identification of formal and informal structures within the hospital and health services, and analysis of decision-making roles in these services.

**REFERENCE BOOKS**

**16.904G Australian Health Care System**

The historical, demographic and epidemiological background to the provision of health care in Australia. The role of the Commonwealth, the States, and other instrumentalities in providing health and hospital services. Financial and economic aspects of the provision of health care. Problems currently besetting the Australian health care system.

**TEXTBOOK**

**REFERENCE BOOKS**

**16.905G Health Services Accounting**

This course commences with an examination of basic theory and concept in relation to health service accounting. Particular attention is given to the interrelationship between statistics and accounting; the nature and use of cost data; budget preparation; co-ordination and integration of budgets; accounting for planning and control; cost finding procedures.
16.906G  Hospital Organization and Management I

Analysis of the organizational structure of the hospital and its major components in terms of functions, systems, goals, values, professionalism, co-ordination and innovation. The interaction between management and the physical structure. The planning process and the project team, building siting and design, contract administration, cost planning, environmental design, commissioning and evaluation.

TEXTBOOK

REFERENCE BOOKS
Llewelyn-Davies, R. & Macauley, H. M. C. Hospital Planning and Administration. WHO, 1966.

16.907G  Hospital Organization and Management II

Further detailed analysis of the subsystems of the hospital in terms of operation, staffing, design and communication. Planning and design for particular clinical and non-clinical functions and departments.

TEXT AND REFERENCE BOOKS As for 16.906G Hospital Organization and Management I.

16.908G  Behavioural Science (Health Administration)

This course is concerned with the social impact of illness upon families and communities; with attitudes towards birth, birth control, health, sickness, healing and death; the relation of culturally determined attitudes to the provision and utilization of health services; relationships between medical, para-medical, and non-medical workers in the health field; problems of health education and deviant social behaviour; the behaviour of the patient.

TEXTBOOKS

**REFERENCE BOOKS**

**16.909G Community Health Planning**
Factors determining planning, provision and integration of community health care: environmental health services, provision for the aged, the physically handicapped and the mentally handicapped; occupational hygiene programmes; maternal and child health clinics; school medical and dental services; preventive and screening services; health centres; health education; ancillary services.

**TEXTBOOK**

**REFERENCE BOOKS**

**16.910G Comparative Hospitals and Health Services Administration**
Systems of hospital and health services in the United Kingdom, the United States of America and other countries; their sources of finance and the media through which it is disbursed; the authority and responsibilities of administrative bodies concerned; the planning of their services; methods of staffing; demographic and other measures of performance; comparisons with the Australian system.

**TEXTBOOK**

**REFERENCE BOOK**
16.911G  Health Services Administration I

The essential elements of administration and the tools of management are examined and related to the particular problems of health service administration. Planning organization; staffing; direction; control; decision-making and communication.

REFERENCE BOOKS

16.912G  Health Services Administration II

Administrative roles and relationships of the medical, nursing and other health service personnel, departmental organization, systems analysis, data processing and information systems.

TEXTBOOK

REFERENCE BOOK

16.913G  Health Care Facilities A

The Australian Health Scheme; the role of the Commonwealth, States and other instrumentalities in providing health and hospital services; authority and responsibility of the administrative bodies; legislation; sources and distribution of finance; planning of services; staffing; integration of services.

TEXTBOOK

REFERENCE BOOKS

16.914G  Health Care Facilities B

Comparative study of health services in various advanced and developing countries; major differences in policy and administration examined in relation to medical, social, political and economic patterns.
16.915G Health Care Facilities C

The organization and function of non-institutional health care facilities are examined. These facilities include environmental health services; domiciliary health and welfare services; provisions for the aged, physically and mentally handicapped; preventive and screening services; programmes of occupational hygiene; maternal and child welfare clinics; school medical and dental services; health education; ancillary services. The integration of services is discussed.

TEXTBOOKS

REFERENCE BOOKS

16.916G Health Care Facilities D

Institutional provision of health care; factors generating content of institutional provision; principles of planning and design as applied to general, special and teaching hospitals and to facilities for community health care and welfare; roles of members of the planning team and methods of communication and co-ordination; the planning process from briefing through planning proposals and construction to contract administration, commissioning, modification and evaluation. Planning and design for particular clinical, administrative and supply functions. Environmental factors in design and operation of buildings.

REFERENCE BOOKS
Norton, D. *By Accident or Design?* Livingstone, 1970.

16.917G Personnel Practice (Health Administration)

Personnel practice—topics include recruitment and selection policies and methods; training; performance evaluation; work measurement; wage and salary administration; authority and discipline; service and benefit schemes; interviewing, counselling; safety.

**REFERENCE BOOKS**
Bailey, N. *Hospital Personnel Administration.* Physicians Record Co., 1957.
Cumings, M. W. *Hospital Staff Management.* Heinemann, 1971.

16.918G Health Services Law

Following an examination of the sources and processes of law, students proceed to a consideration of the law relating to public health, hospitals and hospital authorities, welfare services, mental health and medical practice.

**TEXTBOOKS**

**REFERENCE BOOKS**

**BIOLOGICAL SCIENCES**

17.001 General and Human Biology


**TEXTBOOKS**
REQUIREMENTS FOR PRACTICAL WORK

A list of equipment required for practical work will be posted on the notice board in the ground floor of the Biological Sciences Building. Students must purchase this material before the first practical class.

DEPARTMENT OF INDUSTRIAL ARTS

21.011 Industrial Arts I

The nature of rigorous and structural design. The elements of creative design—design as aesthetic order—its relationship to perception theory and measurement of aesthetic judgment—the notion of value and value keys in design. The theory and nature of colour perception. A brief treatment of the historical background of industrial organization in society—the nature of work and some important psychological, sociological and economic factors in man-machine relationships. Basic industrial work situations and an analysis of the methods used to classify and describe them. Man-machine relationships as a problem in design—human qualities in opposition to and in co-operation with machines—an introduction to the problems associated with the transfer of information, energy and matter between man and machine.

Laboratory and Studio—The execution of prescribed projects in various media illustrative of the principles of design. The study and practice of the principal techniques used in work measurement.

TEXTBOOKS

21.012 Industrial Arts II

The principles of three-dimensional design and design analysis. Introduction to product design—visual fundamentals and visual presentation in two and three dimensions—functional and psychological aspects of product design. The theories of work factor systems, basic motion-time study, motion-time analysis, and methods-time measurement with particular reference to their human significance.

Laboratory and Studio—The execution of three-dimensional projects in various media. Projects in product design. Experimental work and directed observation involving the various methods of work analysis.

TEXTBOOKS

* For students specializing in Ceramics.
21.013 Industrial Arts III

The creative process and the factors influencing it—detailed study of and solutions to the problems associated with product design. The philosophy of comprehensive design and its relationship to work—an integrative overview of the attitudes and viewpoints of the designer and the techniques of analysis, synthesis and evaluation currently used. Industrial organization theory—the principal theories of industrial organization from the eighteenth century to the present day. The nature of management and its various functions and methods or organization in western industrial society.

Laboratory and Studio—The execution of advanced problems in product design in various media—analysis and criticism. Field work in industry involving the analysis and evaluation of methods of industrial organization.

TEXTBOOKS

21.201 Freehand Drawing

Teaches the student to see and draw objects as they are, to perceive the structure of natural forms, and to appreciate the causes behind their formation. The practical work in various media, pencil, pen, brush and charcoal, is intended also to develop the ability to express ideas in a visual way. This can later form a basis for the execution of projects in industrial design.

Subjects include: drawing of single objects and groups of objects, figure drawing, drawing from memory, and quick sketching; depiction by line and by light and shade; the principles of free perspective drawing.

TEXTBOOKS

21.211 Drawing and Design

Advanced problems in engineering or architectural drawing and design. Assignments to be carried out in the studio, but tutorials will be given where necessary.

TEXTBOOK

21.902 Seminar.

21.903 Project.

21.501G Industrial Design

This area of the course is drawn from the existing body of knowledge concerning industrial design. In particular, it will emphasise design principles

* For students specializing in Ceramics.
and the main functions, skills and responsibilities of the designer for industry. The subject matter will be communicated through lectures, tutorials and practical assignments, the aims of which will be to give the students a broad view of design in an industrial society, an aesthetic conviction and sensibility and the skills and methods required for the practice of industrial design.

- Historical, social and aesthetic bases of industrial design.
- Design Methodology.
- Design Principles.
- Signs, Symbols and Communication.
- Ergonomics
- Professional, Commercial and Industrial Practice.
- Design Media.

TEXTBOOKS

21.511G Design Projects

Throughout the course the students will be involved in a continuous series of design exercises and projects, graduated in scale and difficulty and with varying emphasis on particular aspects of design technology.

These projects form the central part of the course. The subjects chosen will relate to the current lecture or case study programmes, so that theory and practice can be integrated. Design projects provide an experience in which technology, design method, aesthetics and social need are synthesized and in which interrelationship must be sought and inconsistencies resolved. The student is brought to face problems involving judgment, choice and decision, some of which can be based on objective, analytical study, whilst others will be more subjective, intuitive and emotive.

The projects will be supervised by the academic staff of the Department with assistance from an appropriate practising designer and, when necessary, academic staff from other sections of the University. Tutorials as well as discussions with individual students will arise from the projects, especially during the design development phase. Opportunity will be given for the student to act as a member of a design team.

At the commencement of each design project the students will be briefed in detail as to the intention, and object of the exercise; this brief will also include basic information, controlling factors, a time schedule and requirements for presentation.

21.501G INDUSTRIAL DESIGN and 21.511G DESIGN PROJECTS

TEXTBOOKS

21.521G Seminar

In general, seminars will be devoted to design theory and philosophy and to the presentation by students of papers on design problems. Seminars will be closely integrated with the other sections of the course work. From time to time, such matters as general design problems, current issues in design, unusual design problems and addresses by visiting designers, will also constitute the topics of seminars.

21.531G Creative Art Elective

SCHOOL OF APPLIED GEOLOGY

25.111 Geoscience I


Petrology—Field occurrence, lithological characteristics and structural relationships of igneous, sedimentary and metamorphic rocks. Introduction to coal, oil and ore deposits.

Stratigraphy and Palaeontology—Basic principles of stratigraphy; introductory palaeontology. The geological time scale. The geological history of the Australian continent and more specifically that of New South Wales in introductory outline.

Practical Work—Preparation and interpretation of geological maps and sections. Map reading and use of simple geological instruments. Study of simple crystal forms and symmetry. Identification and description of common minerals and rocks in hand specimen. Recognition and description of examples of important fossil groups. Supplemented by three field tutorials, attendance at which is compulsory.

TEXTBOOKS
Tyrrell, G. W. The Principles of Petrology. Methuen.

25.502 Geology II (B.Sc. (Ed.) Course)


Descriptive mineralogy—Introduction to crystallography; the stereo-

Practical Work—Crystal forms and the stereographic projection; description and recognition of common minerals in hand specimen.

Invertebrate Palaeontology—Principles of palaeontology and its relationship with the other branches of geology. Systematic description and detailed morphological study of the invertebrate phyla and their subdivisions.

Practical Work—Detailed diagnostic and morphological description of common fossils with reference to their stratigraphic distribution.

Lithology—Principles of classification of rocks; a detailed study of igneous, sedimentary and metamorphic rocks in hand specimen.


TEXTBOOKS

Stratigraphy

Descriptive Mineralogy
Phillips, F. C. An Introduction to Crystallography. Longmans.

Invertebrate Palaeontology
or

25.503 Geology III (BSc. (Ed.) Course)

Petrology—Theoretical principles on the formation of igneous, sedimentary and metamorphic rocks. Magma types and trends of differentiation. Sedimentary rocks and their environment of deposition as revealed by composition, texture and structure. Metamorphic zones. Tutorial classes will illustrate the discussed principles with the aid of a projection microscope.

Geophysics—The earth, its shape, structure and composition. Seismology, gravity, geodesy, geomagnetism and palaeomagnetism.

Oceanography—The oceanic water-masses and their dynamic, physical and chemical properties. Submarine topography and geology, recent sedimentation and sediments of organic origin. Economic oceanography.

Coal Geology—The geology of coal fields; the mineralogy and petrology of coals. The environment of formation and origin of coal.

Structural Geology—The interdependence of geotectonics, tectonics and structural geology. Force, stress and strain within the geological environment. Primary structures; an introduction to secondary structures.

Vertebrate Palaeontology—The rise of the vertebrates and the early amphibia; the reptiles. The flying reptiles and the birds. The early primates and the advent of man.


TEXTBOOKS
Students should consult the School of Applied Geology for details of textbooks for this subject.

25.504 Geology IV (B.Sc.(Ed.) Course)


Economic Geology—Principles and theories of ore deposition. Magmatic, metasomatic, hydrothermal, epithermal and alluvial deposits.

Photogeology—Elements of photogrammetry and photointerpretation. Photogeological mapping. Selected air photographs illustrating geological features will be examined with the aid of stereoscopes and photogeological maps will be produced.

Seminars—Seminar discussion on selected topics from various branches of geology.

TEXTBOOKS
For details contact Head of School.

SCHOOL OF BIOCHEMISTRY

41.101A Chemistry of Biologically Important Molecules

The chemical properties of amino acids, peptides and proteins, carbohydrates, nucleic acids and lipids, and porphyrins, and the biological roles of these compounds. The nature and function of enzymes. Practical work to illustrate the lecture course.

TEXTBOOKS

REFERENCE BOOK

PREREQUISITES
17.001 General and Human Biology. 2.001 Chemistry I.
CO-REQUISITES
41.101B Metabolism.
This unit is offered in Session 1.

41.101B Metabolism

The intermediary metabolism of carbohydrates, lipids and nitrogenous compounds. The molecular mechanism of gene expression and protein synthesis. Practical work to illustrate the lecture course.

TEXTBOOKS
As for 41.101A.

PREREQUISITES
17.001 General and Human Biology. 2.001 Chemistry I.

CO-REQUISITES
41.101A Chemistry of Biologically Important Molecules.
This unit is offered in Session 1.

SCHOOL OF BOTANY

43.101A Genetics and Biometry

Analysis of the mitotic cycle; replication of DNA and its organization in the chromosomes, linkage, non-meiotic recombination; mutation, structural changes, polyploidy, aneuploidy; population genetics; cytoplasmic inheritance; episomes; gene structure and function. An introduction to statistical methods and their application to biological data, including an introduction to analysis of variance and experimental design.

TEXTBOOKS

PREREQUISITES
17.001 General and Human Biology.
This unit is offered jointly by the Schools of Botany and Zoology during Session 1.

43.101B Plant Evolution and Ecology

A study of the evolution of vegetative form and structure of vascular plants; an examination of their organization into terrestrial communities; identification, evolution and distribution of elements of the Australian flora. Field excursions are an integral part of the course.

TEXTBOOKS
PREREQUISITES
17.001 General and Human Biology.
This unit is offered in Session 1. In addition, students will be required to attend excursions as arranged during the course.

43.101C Plant Physiology
A general introduction to the physiology of the whole plant including a consideration of photosynthesis, inorganic nutrition, transport, translocation, physiology of growth and development, and plant growth substances and their application in agriculture.

TEXTBOOKS

PREREQUISITES
17.001 General and Human Biology.
2.001 Chemistry I or
1.001 Physics I* or
1.041 Physics IC*
This unit is offered in Session 2.
* In some circumstances this unit may be taken as a co-requisite.

43.102E Environmental Botany
The soil and atmospheric environment in which terrestrial plants exist. Behaviour and response of the flowering plant to its environment, both in nature and agriculture.

PREREQUISITES
17.001 General and Human Biology.
1.001 Physics I or
1.041 Physics IC.
This unit is offered in Session 2.

SCHOOL OF MICROBIOLOGY

44.101 Introductory Microbiology
The general nature, occurrence and importance of micro-organisms. A systematic review of the major groups of micro-organisms: the eucaryotic protista (micro-algae, protozoa and fungi); procaryotic protista (blue-green algae, "higher" bacteria, typical unicellular bacteria and small
bacteria-like forms); plant, animal and bacterial viruses. Microbial physiology and genetics. The relationship between micro-organisms and their environment; ecological considerations. Interactions between micro-organisms and higher organisms.

TEXTBOOKS
or
or
[Brock, or Pelczar & Reid, is the first choice if no more microbiology is to be taken.]

PREREQUISITES
17.001 General and Human Biology.

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**SCHOOL OF ZOOLOGY**

**45.101A  Genetics and Biometry**
See under 43.101A.

**45.101B  Invertebrate Zoology**
A comparative study of the major invertebrate phyla with emphasis on morphology, systematics and phylogeny. Practical work to illustrate the lecture course.
Obligatory field camp.

**TEXTBOOK**

**REFERENCE BOOKS**

**PREREQUISITES**
1.001 Physics I or 1.011 Higher Physics I or 1.041 Physics IC.
2.001 Chemistry I.
10.001 Mathematics I or 10.011 Higher Mathematics I or 10.021 Mathematics IT.
17.001 General and Human Biology.
This unit is offered in Session 2.

45.101C Vertebrate Zoology

A comparative study of the Chordata. Morphology, systematics, evolution, natural history, with reference to selected aspects of physiology and reproduction. Practical work to supplement the lecture course. Field excursions as arranged. Obligatory field camp.

TEXTBOOKS

REFERENCE BOOKS

PREREQUISITES
As for 45.101B above.
This unit is offered in Session 2.

45.101D Field Ecology

A lecture series on the basic principles of ecology followed by an examination and evaluation of the field methods used to measure the environment and the distribution and abundance of organisms.

TEXTBOOK

PREREQUISITES
43/45.101A Genetics and Biometry.

CO-REQUISITES
45.101B Invertebrate Zoology.
or
45.101C Vertebrate Zoology.
This unit is offered as a lecture series (two per week) in Session 2 plus a two week camp in November/December at the University's Smith's Lake Field Station.
45.102A  Marine Ecology

A study of the metabolic, regulatory and reproductive activities of marine organisms with particular reference to the physical, chemical and biological environment in which they occur. Both field and laboratory practical work are included.

TEXTBOOK

REFERENCE BOOKS

PREREQUISITES
As for 45.101B above.
This unit is offered in Session 1, and consists of 2 hours' lecture and 4 hours' laboratory time per week.

45.102B  Animal Behaviour

An introduction to ethology, the biological study of behaviour. Physiological, ecological, developmental and evolutionary aspects of behaviour are examined as important elements of the study of causal factors underlying behaviour. Both field and laboratory work are included.

TEXTBOOK
Dimond S. J. Social Behaviour in Animals. Harper: Colophon, 1970 or
This unit is offered in Session 1.

REFERENCE BOOKS

PREREQUISITES
1.001 Physics I or 1.011 Higher Physics I or 1.041 Physics IC.
2.001 Chemistry I.
10.001 Mathematics I or 10.011 Higher Mathematics I or 10.021 Mathematics IT.
17.001 General and Human Biology.
This unit is offered in Session 1, and consists of 2 hours' lecture and 4 hours' laboratory time per week.

45.102F Invertebrate Behaviour

Phylogenetic examination of behaviour in relation to the increasing complexity of invertebrates, with emphasis on orientation and movement, feeding, defensive, reproductive, social and rhythmic behaviour. These studies involve both the exogenous and endogenous contributions to invertebrate behaviour.

TEXTBOOK

REFERENCE BOOKS

CO-REQUISITE
45.101B Invertebrate Zoology.

PREREQUISITES
1.001 Physics I or 1.011 Higher Physics I or 1.041 Physics IC.
2.001 Chemistry I.
10.001 Mathematics I or 10.011 Higher Mathematics I or 10.021 Mathematics IT.
17.001 General and Human Biology.

This unit is offered in Session 1 and consists of 2 hours' lecture and 4 hours' laboratory time per week.

45.201A Insect Structure and Classification

A comparative study of the internal anatomy and external morphology of insects. Classification and bionomics of major groups and families. A collection of insects is to be made. Practical work to include dissections, a study of mouthparts, wing venations, segmentation, etc. Field excursions as arranged.

TEXTBOOK

REFERENCE BOOKS
Imms, A. D. Textbook of Entomology. Methuen.
PREREQUISITES
45.101B Invertebrates.
43.101A/45.101A Genetics and Biometry.
This unit is offered in Session 1 and consists of 2 hours' lecture and 4 hours' laboratory time per week.

SCHOOL OF SOCIOLOGY

53.121 Sociology IT
For students taking only one year of sociology. The course deals with basic issues of theory and method in the discipline. It will endeavour to impart an understanding of the sociological perspective, the methods used by sociologists to collect information, and to introduce students to the major areas of sociological research. Any student who decides, after completing this course, that he wishes to do further work in sociology, must obtain the permission of the Head of the School of Sociology and will be required to do extra work before permission is granted.

TEXTBOOKS

SCHOOL OF LIBRARAIERSHIP

55.112 Libraries and Information
The role of the library in the total communication system of society, as an agency for the preservation, dissemination and development of knowledge and information. The history of libraries and their involvement in social and technological change. The provision, functions and services of various types of library with particular reference to the Australian environment. The role of the librarian in the library and in the information process; the library profession. Librarianship in relation to information science.

REFERENCE BOOKS
55.114 Communication and Record

The communication process. The development of various kinds of record to serve communication and to preserve knowledge. The development of printing and the book, and of other forms of record. The effects of recent technical innovations in transmitting and recording information. Reprography in relation to the diffusion of knowledge and to libraries. The mass media and their role in communication. The inter-relationships of the printed word, reading and the mass media.

REFERENCE BOOKS


55.122 Library Materials Selection and Organization

The selection and acquisition of library materials in all physical forms. The book trade and other sources of supply. The cataloguing, classification, indexing and circulation of materials in relation to the needs of users. The role of mechanization and automation.

TEXTBOOKS


REFERENCE BOOKS

55.123 Reference Service and Materials

(a) Information sources, especially reference books, and their uses in library processes and reader services. Using publications to provide information at various levels in different library situations. (b) The bibliography as a record of publication in the mass and as a guide to individual items. National, trade and subject bibliography. Indexes and abstracts. (c) Reference books not limited to a particular subject: publication methods, coverage, organization of content, studied in relation to purpose and use. (d) The principles and methods of reference work. Its place in the total information network and in library service. Question analysis, search strategy and presentation of results to the user. The relationship of traditional reference methods to the design of mechanized information retrieval systems.

TEXTBOOK

REFERENCE BOOKS

55.124 Library Administration

The principles of administration and their application to libraries. Setting library objectives and measuring library achievement. Tools and methods of administration. The management of library staff and library finance.
Administrative implications in the provision of library services and the adoption of techniques including electronic data processing. The authority relationships of libraries; the library in the political process.

TEXTBOOK

REFERENCE BOOKS

Subject Bibliography: The Humanities; The Social Sciences; Pure and Applied Sciences; Government Publications

The structure of the literature, with special reference to the information and research needs of users. Publications embodying original work, criticism, exposition, popularisation. The major reference works in the field. Important collections in libraries, and other sources of publications and information. Problems of availability of resources.

**55.231 Subject Bibliography: The Humanities**

REFERENCE BOOKS

**55.232 Subject Bibliography: The Social Sciences**

TEXTBOOK

REFERENCE BOOKS

55.233 Subject Bibliography: Pure and Applied Sciences

REFERENCE BOOKS
Grogan, D. Science and Technology; an Introduction to the Literature. Bingley, 1970.

55.238 Subject Bibliography: Government Publications

TEXTBOOK

REFERENCE BOOKS

**55.239 School Curricular Materials**

Evaluation and selection of book and non-book materials for use by staff and students in the school learning programme, based on a study of subject syllabi. The compilation of subject bibliographies to support the learning and teaching processes. Methods of relating and presenting materials.

**REFERENCE BOOKS**


**55.362 Mechanized Systems for Libraries**

Systems analysis and design for libraries. The application of electronic data processing techniques to the control of library systems for acquisitions, serials processing, circulation control and for the production of library catalogues.

Computers and allied hardware. Basic concepts of programming with emphasis on the type of programming problems encountered in library automation and document organization. Programming languages and their suitability for the solution of library problems.

Principles and methods of information indexing, storage and retrieval for machine systems. Automatic indexing.

The state of automation in libraries and the impact on libraries of mechanized information systems such as MARC, MEDLARS, Chemical Abstracts Service, and of experiments in on-line systems such as Project INTREX.
TEXTBOOKS

REFERENCE BOOKS

55.369 Archives
Archives history, definition, institutional relations, and uses in public administration, the law and historical studies. Archives legislation, administration, organization, preservation, services. Management of current records, especially in relation to archival preservation.

55.371 Children's Literature
A survey of printed materials for children and young adults in relation to their needs, interests and abilities. Criteria for evaluation and selection for library collections. Use of materials in reading guidance with children and young adults.

REFERENCE BOOKS

55.373 Public Libraries

The purpose of the public library in the community examined through (a) a comparative study of public library services with emphasis on special programmes of service to adults, young adults and children; (b) surveys and plans for the introduction of library service to specific regions.

REFERENCE BOOKS


55.378 University and College Libraries

Trends and developments in tertiary education in relation to the purposes and functions of university and college libraries.

The library's response to the university environment and to the library user through its resources and services.

REFERENCE BOOKS


**55.381 Special Libraries**

The nature of special libraries and the environments in which they operate. The evolution of the special library. The relationships of the special library to its parent organization, to its users and to other sources of information. The functions of the special library and their translation into appropriate services. Systems and techniques relevant to special libraries including mechanized information systems. Staffing, siting, planning special libraries. Measurement of special library effectiveness.

**REFERENCE BOOKS**


**55.387 School Libraries**

A comparative study of the development of the role of the library in the school in relation to educational thought and practice.

Provision, administration and organization of school library resources and services on national, state and local levels for staff and students.

**TEXTBOOKS**


REFERENCE BOOKS


55.712 Archives Theory and History


TEXTBOOK


REFERENCE BOOKS

55.713 Archives Administration

(a) Relations between archive-creating bodies and archives institutions. Commercial and legal practice, forms and terminology relevant to the understanding of archives. The elements of records management.

(b) Archives management: acquisition, arrangement and description, the publication of finding aids, the application of automation, microcopying. Conservation of materials. Repository planning.

(c) The principles of administration and their application to archives institutions.

(d) Service to users of archives, including questions of access and copyright. Publication of archives.

TEXTBOOKS


REFERENCE BOOKS


55.714 Information Environment for Archivists

Information sources which supplement archives: academies, learned societies, institutions including libraries, galleries and museums. Libraries of various types studied in relation to the needs of archivists; acquisition of materials by purchase, gift, exchange and legal deposit; organization of materials for use. Bibliographical description and national and international documentation standards. Documentary materials in non-book form and their use in research. Dissemination of texts and other types of record by reprography and in microform.

REFERENCE BOOKS


MASTER OF LIBRARIANSHIP

55.801G Library and Information Services Management A

Legislative and financial aspects of library provision. Libraries in the political process. Authority relationships and the nature of the library as a bureaucracy.

Siting and planning of libraries. Patterns of administrative organization in libraries. Position classification and personnel administration. The management of library finances.

55.803G Library and Information Services Management B

The assessment of information needs of various groups and the design of appropriate services. The integration of libraries in information networks.
Applications of operations research and computer technology in library management and in the dissemination of information by other agencies. Evaluation of libraries and other information services.

55.805G Issues in Librarianship

Contemporary issues in librarianship, including the provision of libraries and information by governments and by private enterprise; automation, information, science and libraries; cataloguing, classification and bibliographical control; problems of publication growth and library size; libraries in the social environment.

55.807G Research Methods in Librarianship

The nature, potentialities and limitations of research methods. The evaluation of a number of research programmes in librarianship and information science.

SCHOOL OF EDUCATION

58.016 Seminars

A study of educational issues by means of individually prepared student papers and a variety of small-group discussion techniques including panels, forums and debates.

58.017 Education

A composite subject whose main components are Educational Psychology, Educational Practice, Philosophy and Theory of Education and Sociology of Australian Education.

Educational Psychology

Learning in the classroom. Variables such as growth and development, motivation, personality and group behaviour related to the learning process.

TEXTBOOK


REFERENCE BOOKS


Educational Practice
Classroom organization and practice: individual and group techniques; management; teaching aids (including radio and television). Measurement in education. Curriculum construction and modification. School organization.

TEXTBOOK

REFERENCE BOOKS
Philosophy of Education


REFERENCE BOOKS


Sociology of Education

An investigation of the role of education in Australian society with particular attention given to Australian education systems, inequality and the role of the Commonwealth. A study of adolescent groups including deviants and cultural deprivation. An analysis of social structures in the secondary school and the school in the local community. A study of teacher groups including role and professionalism.

REFERENCE BOOKS

The Study of Methods of Teaching

Two method subjects each for an average of 2½ hours per week (3 hours in Session 1 and 2 hours in Session 2) except in the case of Double Teaching Subjects which total 5 hours each per week (6 hours in Session 1 and 4 hours in Session 2). This will comprise lecture-seminars, and individual discussions with master teachers and method lecturers.

Method Subjects

58.021 Commerce Method

REFERENCE BOOKS

58.022 English Method

REFERENCE BOOKS
Flower, F. Language and Education. Longmans, 1966.
Gordon, I. A. The Teaching of English. N.Z.C.E.R.

58.023 French Method

TEXTBOOK

REFERENCE BOOKS
Finocchiaro. Teaching Children Foreign Languages.

* Students should provide themselves with a copy of at least one of these books.
58.024 Geography/Social Studies Method

TEXTBOOK

REFERENCE BOOKS
Biddle, D. S. Readings in Geographical Education. Whitcombe & Tombs, 1968.
Biddle, D. S. & Collins, K. J. Geography in the Senior Forms. Cheshire, for the Victorian and N.S.W. Geography Teachers' Association.

58.025 German Method

TEXTBOOK

REFERENCE BOOKS
Finocchiaro. Teaching Children Foreign Languages.

58.026 Guidance Method

REFERENCE BOOKS

**58.027 History Method**

**TEXTBOOK**
Walshe, R. D. & Little, N. A. eds. *Ways We Teach History*. H.T.A. of N.S.W.

**REFERENCE BOOKS**

**58.028 Library Method**

**REFERENCE BOOKS**

**58.029 Mathematics Method**

**REFERENCE BOOKS**
Adler, I. *The New Mathematics*.
Glenn, W. & Johnson, D. *Exploring Mathematics on Your Own*. (Series of Booklets). Webster, U.S.A.
N.S.W. Department of Education. Mathematics Syllabi and Notes.

**58.033 Science Method (Double Teaching Subject)**
58.034 Science Method (Single Teaching Subject)

TEXTBOOKS


58.031 Spanish Method

58.032 Slow Learner Method

The Slow Learner Method course is designed to prepare secondary teachers of "Activity" classes. These classes are for slow learners with a variety of problems such as mental or scholastic retardation (or a combination of the two). Student teachers taking this course will be prepared as class teachers in English (with special attention to reading), Mathematics and Social Studies, and in addition will study the method of teaching one particular subject (such as History or English) through the full range of secondary school forms. They will have complete promotion possibilities open to them in the secondary school, and will in no way be professionally limited by undertaking work with "Activity" classes in the early stages of their careers.

The Slow Learner Method course has the support of the Department of Education which will be approached to second a part-time lecturer in the subject to the School of Education.

REFERENCE BOOKS


Bell, P. Basic Teaching for Slow Learners. Muller Educational, 1970.


Cruickshank, W. Psychology of Exceptional Children. Staples, 1956.


Frampton & Gall, E. D. Special Education for the Exceptional. Sargent, 1956.


### 58.040 Selected Activities

Classes will also be arranged in some other areas relevant to teacher preparation as for example, Health Education and Physical Education and in subjects in which students have a particular interest such as Comparative Education, Philosophy in Education, Experimental Education, Educational Statistics, Society and Education. The subjects offered will be determined by the interest of students and the availability of staff and facilities.
58.050 Practical Teaching and Observation

A weekly average of seven hours made up of both concurrent weekly practice and block practice.

Education Subjects in Science Education and Industrial Arts

58.401 Education IA


See 58.501 Education 1 for text and reference books for Educational Psychology, Philosophy and Theory of Education and Research Methods in Education.

58.071 Methods of Teaching IA (Industrial Arts Course)

Concerned with the application of principles dealt with in Philosophy and Theory of Education, and in Educational Psychology, to the particular case of teaching in the Industrial Arts subject area. For example, the aims of industrial arts teaching are analysed and the provision of effective learning experiences are discussed. There is consideration of the use of practical work, demonstrations by the teacher, audiovisual aids, programmed instruction, and the planning of lessons to incorporate such learning experiences effectively. Classroom management and workshop organisation are also dealt with, as is the teaching of various skills.

School Experience Students will begin teaching practice in their third year. The school experience in that year is designed to give them a gradual introduction to teaching and this will be consolidated in their fourth year.

REFERENCE BOOKS

Friese, J. F. The Role of Industrial Arts in Education. Friese, 1964.

58.402 Education IIA

For text and reference books see 58.502 Education II (Educational Psychology, Sociology of Education, and Philosophy and Theory of Education).

58.501 Education I


PREREQUISITES

1.001 Physics I or 1.011 Higher Physics I or 1.041 Physics IC.
2.001 Chemistry I.
17.001 General and Human Biology.
25.111 Geoscience I.

Educational Psychology

TEXTBOOK


REFERENCE BOOKS

Philosophy and Theory of Education

REFERENCE BOOKS
Gribble, J. *Introduction to Philosophy of Education*.
Smith, B. O. & Ennis, R. H. *Language & Concepts in Education*.

Research Methods in Education

TEXTBOOK

REFERENCE BOOKS
Science Curriculum and Instruction

TEXTBOOK

REFERENCE BOOKS
Association for Science Education. The School Science Review (Journal) Cambridge.
Science Teachers Association of N.S.W. Science Education News (Journal) Sydney.

58.502 Education II

Educational Psychology

REFERENCE BOOKS

**Sociology of Education**

**REFERENCE BOOKS**

McDonald, L. *Social Class and Delinquency*. Faber, 1969.
Mead, M. *Coming of Age in Samoa*. Pelican.

**Philosophy and Theory of Education**

**REFERENCE BOOKS**


*Science Curriculum and Instruction*

**TEXTBOOK**


**REFERENCE BOOKS**


**58.512 Introduction to Education**

The subject starts with an examination of the view commonly held by prospective teachers that their task in the classroom will be simply to teach specific subject matter. Some of the difficulties encountered in the communication of ideas to pupils are considered and a much broader view of the educational process is developed. Psychological, philosophical and sociological perspectives of the teaching-learning situation are discussed.

The subject serves as a basis for study in greater depth of educational psychology, philosophy and theory of education and sociology of education.
in succeeding years and shows the contribution of each to the practice of teaching. Lectures and seminars are closely related to a series of school visits extending throughout the year.

REFERENCE BOOKS


MASTER OF EDUCATION

58.201G Comparative Education

An examination of important educational problems as they occur in a number of countries, with special reference to South East Asia. Topics will include—the school and the school child, the professional preparation of teachers, technical education, tertiary education, the school and society. Topics treated in Comparative Education will be related to the Australian educational scene.

REFERENCE BOOKS

King, E. J. World Perspectives in Education. Methuen, 1962.
Mallenson, V. An Introduction to the Study of Comparative Education. Heinemann, 1960.
World Yearbook of Education. Evans Bros.

58.202G Educational Planning and Administration

General principles of planning and administration applied to the organization of education. The factors underlying the administration of the Australian educational systems, both government and independent. Particular problems of Australian education—e.g. centralization of administration, the comprehensive secondary school, access to education, the role of the school inspector, the relationship between the state and independent school systems. The planning of educational programmes in developing countries with which Australia is associated. The economics of educational planning.

REFERENCE BOOKS

Vaizey, J. The Economics of Education. Faber, 1962.

58.203G Educational Psychology

In this treatment of some psychological principles relating to education particular attention will be given to the contribution of educational psychology to classroom teaching, and to problems of learning theory and a selection of learning theorists, developmental theory, motivation and sociological problems for educators.

REFERENCE BOOKS


PRELIMINARY READING FOR THE COURSE
*** Essential for the course.

58.204G Educational Theory in the Twentieth Century

Concentrates on the views and influence of individual thinkers such as:
Dewey, Kilpatrick, Childs, Buber, Berdyaev, Sartre, Russell, A. S. Neill, Homer Lane, Nunn, Riesman, Fromm, Frankl, Maritain, Hutchins, Mannheim, Makarenko. Recent educational theories relating to the curriculum, such as those of Bruner and Schwab. An introduction to modern social theory in relation to education.

REFERENCE BOOKS

58.205G Experimental Education

The methodologies of educational research including statistical procedures and the design of surveys and experiments. The assessment of significant research projects and experiments both in Australia and overseas. Measurement and evaluation in education.

REFERENCE BOOKS

58.206G History of Education

(i) History of Western Education. (ii) History of Australian Education. In each part there will be both a study of movements and cultures as well as of distinguished thinkers. Part (i) will provide a background for understanding (ii) Australian education will trace the growth of national education, the relationship between denominational and national systems, the impact of various acts and the work and influence of men such as Wilkins, Parkes, Rusden and Board.

REFERENCE BOOKS


Taylor. Plato, the Man and his Work. Methuen, 1948.

58.207G Philosophy in Education

Relationship between philosophy and philosophy of education; aims of education; traditional theories such as idealism, pragmatism, existentialism; the relationship between belief and practice, or theory and practice; the notion of education as "practical discourse"; conceptual studies of instruction, indoctrination, critical thinking, creativity etc.; ethical questions such as moral responsibility and character, and the philosophy of punishment; psychological and social aspects of freedom, such as authority and student power, education for aggression or co-operation.

TEXTBOOKS

REFERENCE BOOKS
Gribble, J. H. Introduction to Philosophy of Education. Allyn & Bacon, Boston, 1969
Peters, R. S. Ethics in Education. Scott Foresman, 1967.
58.208G  Child Growth and Development

Selected theories of child development, the development and differentiation of cognitive functioning, motivational and personality variables, problems and methods of research. Factors which modify and support human development will be considered with reference to their educational implications.

REFERENCE BOOKS

The application of probability theory and statistical method to problems of measurement and evaluation in education. Discussion of sampling techniques, the use of linear regression and analysis of variance in experimental designs, and the application of other statistical models to the understanding of educative processes. Particular areas of application are mental testing, educational achievement, and learning.

REFERENCE BOOKS

58.210G  Science Education

A survey of recent research in science education; discussion of recent thinking about aims, theories of cognitive growth and principles of curriculum development; an examination of new science curricula in Australia and overseas in the light of the information thus gained.

REFERENCE BOOKS


B76 THE UNIVERSITY OF NEW SOUTH WALES

Sociology of Education

The methodology of social research including subject matter content of sociology of education, scientific method, and research procedures; the relation between education and society with particular attention given to stratification, social change, equality and inequality of educational opportunity, school systems and minority groups; group structures and dynamics, role theory and reference group theory applied to parent, teacher, and student groups.

REFERENCE BOOKS

Havighurst, R. J. & Neugarten, B. L. Society and Education. Allyn & Bacon, 1967.
58.212G  Mathematics Education

An investigation of theories of instruction, theories of cognitive growth and principles of curriculum development; the application of these theories and principles to aspects of a mathematics curriculum; an examination of new mathematics curricula in Australia and overseas in terms of the above theories and principles.

REFERENCE BOOKS

Adler, I. The New Mathematics. Signet.

SCHOOL OF HISTORY AND PHILOSOPHY OF SCIENCE

62.001 History and Philosophy of Science I

The Origins of Modern Science (Session I)

An Introductory course dealing with the main developments in the history of science between 1300-1800. The main emphasis will be on the seventeenth century Scientific Revolution. Examines the work of Copernicus, Kepler, Gilbert, Harvey, Galileo, Torricelli, Huygens and Newton. The decline of scholastic philosophy and the rise of a new mentality reflected in the writings of Bacon, Descartes and Galileo, discussed. Cartesian and Newtonian physics and the establishment of a mechanistic world view examined.

TEXTBOOKS

REFERENCE BOOKS
Dijksterhuis, E. J. The Mechanization of the World Picture. O.U.P.
Rosen, E. Three Copernican Treatises. Dover.

The Principles of the Philosophy of Science (Session II)

A general introduction to the philosophy of science. Following a preliminary examination of the nature of some of the common forms of argument employed in natural science and mathematics, several of the more central problems of the philosophy of science will be discussed, such as—the struc-
ture of scientific theories; the nature of scientific explanation and prediction; the status of scientific laws; confirmation and falsification; the function of models and analogies; the status of theoretical entities; paradigms; and the dynamics of scientific development and change. Historical case studies taken from the post-Newtonian period will be used to illustrate the philosophical issues.

TEXTBOOKS
Hempel, C. G. *Philosophy of Natural Science*. Prentice-Hall.
Kuhn, T. S. *The Structure of Scientific Revolutions*. 2nd ed. Chicago U.P.
Medawar, P. B. *Induction and Intuition in Scientific Thought*. Methuen.

REFERENCE BOOKS
Theobald, D. W. *An Introduction to the Philosophy of Science*. Methuen.
Toulmin, S. E. *The Philosophy of Science*. Arrow Books.

62.002 History and Philosophy of Science II

Selected Topics in the Histories of the Sciences (Session I)

Students will choose two of the following Histories:

(i) *The History of Biology*
A critical consideration of the Darwin-Wallace theory of evolution and its place in the history of biology. The course will be centered on a detailed analysis of Darwin's arguments, particularly of *The Origin of Species* and will also relate Darwin's ideas to the general scientific and intellectual background of the period, in order to show their impact on biological science and other areas of thought.

TEXTBOOKS

REFERENCE BOOKS
Greene, J. C. *The Death of Adam*. Mentor.

(ii) *The History of Chemistry*
The establishment of the atomic theory.
The evolution of the atomic theory is traced from the time of Dalton to that of Mendeleef, with a careful examination of the steps leading to the determination of atomic weights, the writing of chemical formulae, the establishment of the valencies of the elements, and the construction of the periodic table.
TEXTBOOK

REFERENCE BOOKS
Berry, A. J. *From Classical to Modern Chemistry*. Dover.
Cardwell, D. S. L. ed. *John Dalton and the Progress of Science*. Manchester U.P.
Leicester, H. M. *The Historical Background to Chemistry*. Wiley.
Levere, T. M. *Affinity and Matter—Elements of Chemical Philosophy 1800-1865*. O.U.P.

(iii) The History of Geology
The history of geology in outline from antiquity to the present, with more detailed consideration of the following topics: the uniformitarian/catastrophist debate in the early nineteenth century; the birth of glacial geology; Kelvin and the age of the earth; the history of the hypothesis of continental drift from Wegener to the present; paradigmatic geology in the first half of the twentieth century; some new directions—geophysics, geochemistry, oceanography, tectonics, palaeocology, Quaternary geology and the evolution of the hominids, lunar geology, environmental geology.

INTRODUCTORY READING

TEXTBOOKS

REFERENCE BOOKS
Chambers, R. *The Vestiges of the Natural History of Creation*. Leicester U.P.
Cloud, P. *Adventures in Earth History*. Freeman.
Greene, J. C. *The Death of Adam*. Mentor.
The History of Physics

A critical study of the origins and development of modern theories of space and time, and matter and radiation. The course will begin with the "two small dark clouds" on the horizon of classical physics, the null result of the Michelson-Morley experiment and the ultra-violet catastrophe highlighted in the Rayleigh-Jeans law, and will go on to consider the empirical and theoretical background to the major revolution in the conceptual evolution of physics, which finally resulted in the theories of relativity and quantum mechanics. The logical structures of these theories will be examined and some famous "paradoxes" will be discussed in order to demonstrate the incomplete nature of some orthodox interpretations of relativistic and quantum phenomena.

Selections from primary sources will be issued by the School.

TEXTBOOKS

Silva, A. & Lochak, G. Quanta. World University Library.

REFERENCE BOOKS

Hoffman, B. The Strange Story of the Quantum. Dover.
Prokhovnik, S. J. The Logic of Special Relativity, C.U.P.

The Social History of Science (Session II)

An introduction to the study of the scientific enterprise in its social and cultural context. The course will deal with topics such as: the emergence of the scientific movement in Britain and Western Europe, the relations between the State and the community of science, the nature and functions of scientific societies and academies; the influence of technology on science and of science on technology; science and the State in the twentieth century with special reference to specific problems in the U.S.A., Britain, Soviet Union, Germany and the developing nations.

TEXTBOOK

SCHOOL OF SOCIAL WORK

63.001 Australian Social Organization

After an examination of the demographic characteristics of Australia, a number of major organizational areas of Australian society are studied, for example, its organization with respect to industry and commerce, government, the law, religion, and the institutions of social welfare.

The subject calls for extensive reading, associated with regular classroom exercises.

TEXTBOOKS


Paperback.

Commonwealth Legislation

New South Wales State Legislation
Adoption of Children Act, 1965-1966 and as amended.
Mental Health Act, 1958-1965 and as amended.

REFERENCE BOOKS


63.412 Social Philosophy and Policy

Social policy and administration as a developing subject area overseas and in Australia. The relevance of philosophy.

The analysis of social norms and the underlying values which regulate behaviours in the modern welfare state:
(a) The diverse forms of norms, rules or behavioural prescriptions which exist in this kind of society, and methods of classifying these.
(b) The language and logic of rules.
(c) Societal values and ideologies (social, political, religious), and their relationship to behavioural prescriptions.
(d) The various principles and modes of justification used to support behavioural prescriptions—key social concepts like justice, rights, obligation, equality, democracy, legality, morality.
(e) The need for and limits of rationality.
(f) The values of social welfare.
(g) The values of the social work profession. Professional ethics.

As an exercise in social philosophy and policy analysis, students examine in seminars policy issues under current public discussion in the press, radio, television and parliament.

TEXTBOOKS

REFERENCE BOOKS
Cox, H. The Secular City.

### 63.421 Social Welfare Systems I

The major historical determinants of the pattern of development of social welfare systems in Australia: overseas and local influences.
TEXTBOOKS

REFERENCE BOOKS
Clark, M. Selected Documents in Australian History. 1788-1850 and 1851-1900.
Grant, J. & Serle, G. Historical Periods of Australia.

63.422 Social Welfare Systems II

Organizational Analysis of Social Welfare Systems:

The relevance of organization theory for understanding social welfare systems. Five concepts of organizational level—international, national, community, agency, and professional. Dimensions of the system—goals, the objectives, clients and potential clients, the use and availability of resources (personnel, fiscal and technological), auspice or sponsorship, location, external and internal influences, stability and change, the politics of the system. Policy issues inherent in the range of alternatives within and between dimensions.

Social Welfare Sub-Systems:

A comparative study of the main social welfare sub-systems in an urban industrial society, with particular reference to Australia. Categories of sub-system—defined by a common social goal—income security, health, housing, education, civil and political rights. Each sub-system is studied in terms of its major organizational dimensions, as outlined above, and an attempt is made to evaluate the efficiency and effectiveness of each sub-system.
TEXTBOOKS


63.423 Social Welfare Systems III

Social Welfare Sub-Systems:
A comparative study of the main social welfare sub-systems in an urban industrial society, with particular reference to Australia. Categories of sub-system: Defined by population category—age groups, physical disability, mental disability, sex, ethnicity, war service, religion, socio-legal deviance, geographic location, occupation, economic status.
Each sub-system is studied in terms of its major organizational dimensions. Its efficiency and effectiveness.

Social Welfare Planning:
Different bases of planning and co-ordination:
(a) The relationship between different levels of social organization; functional divisions on the one level of social organization and other linkage questions.
(b) Definition of a social problem as a basis for organization.
Students undertake a project on a selected social problem, studying its definition, incidence, theories of causation, and policies and provision to cope with it.
(c) The role of the social worker and the social work profession in social welfare planning.
The objective in this subject is to develop sound professional judgement in relation to social welfare problems, policies and provision, not to teach social policy practice roles as such.

TEXTBOOKS

63.511 Human Behaviour I

The processes of "normal" growth and development, using a multi-disciplinary approach. The maturational phases of the life cycle, beginning with the prenatal period, proceeding to birth, new-born, infancy, pre-school, childhood, adolescence, young adulthood, middle years, old age. The various frames of reference—biological, psychological, and sociological—used to
define and interpret the phases. The interaction of physical, intellectual, emotional, spiritual, and social influences and attributes in a human being. Individual "careers"—varying conceptions of effective social functioning and well-being. Particular attention is given to the influence of social structures (e.g. families, groups, organizations, communities, and societies) and social processes on the behaviour of individuals; and also on the behaviour of groups and communities. The nature and changing character of these structures in interaction with individuals, groups and communities. The potential for change in the social functioning of individuals, groups and communities.

Classroom learning is reinforced by observation of behaviour, under simulated and actual life conditions.

TEXTBOOKS

REFERENCE BOOKS
Jackson, D. *The Mirage of Marriage*.

63.512 Human Behaviour II

An interdisciplinary approach to the development of deviant behaviour at various age stages, in individuals, groups and communities—biological, psychological, and social deviance. Concepts of disease and pathology; of social problems—definition, incidence, etiology. Differences and similarities. Classroom learning is reinforced by observation of behaviour, under simulated and actual life conditions.
TEXTBOOKS
Parad, H. *Ego Oriented Casework*.
Parad, H. *Ego Psychology and Dynamic Casework*.

REFERENCE BOOKS
Erikson, E. *Insight and Responsibility*.
Erikson, E. *Ghandi's Truth*.
Freud, A. *Ego and Defence Mechanism*. Tavistock.
Kafka, F. *The Castle*.
Kafka, F. *The Trial*.
Kierkegaard, S. *The Concept of Dread*.
Parad, H. *Crisis Intervention*.
Satir, V. *Family Therapy*.

63.611A Social Work Practice IA

The analysis of various forms of interpersonal communication with particular emphasis on its behavioural effects; the principles and techniques of interviewing. Emphasis is placed on experiential learning—through role-playing and skill-practice exercises, video-tapes and tape-recordings, students learn preliminary skills in interpersonal helping.

An introduction to social casework—its historical and present level of development, the nature of basic social casework theory.

A brief introduction to the social work methods of social group work, community work, and social welfare administration. Relationships between the major social work methods.
TEXTBOOKS

REFERENCE BOOKS
Richmond, M. E.  *Social Diagnosis*.  Free Press (1917), 1965.

63.611B Social Work Practice IB
Under the supervision of a field instructor of the School, usually in a fairly structured social work agency, a student begins to learn to apply the principles of professional practice. The emphasis is on work with a
range of clients and of social problems, rather than on depth of experience. The prime purpose is to begin to acquire, in an actual practice setting, skills and responsibility in interpersonal relations.

The duration of this first field placement is 42 working days (294 hours).

63.612A Social Work Practice IIA

One stream deals in turn with further learning in social casework, social group work, community work, and social welfare administration.

A parallel stream considers: The professions in modern industrial societies. The professionalization of social work. The organization of the social work profession in Australia, the U.S.A. and Britain, and internationally—its educational institutions, employing agencies, and professional associations. The size, characteristics, location, objectives, and values of the profession. Current challenges and growing points of the profession.

In Session 2, workshops are held on research methodology as related to problems in social work practice.

TEXTBOOKS

REFERENCE BOOKS
Bartlett, H. M. Some Aspects of Social Casework in a Medical Setting. N.A.S.W., 1940. (1946 ed.)

63.612B Social Work Practice IIB

Usually as a member of a student unit located in a social work agency and supervised by a field instructor of the School, the student has learning experiences which help him to acquire skills in the casework method. Stress is placed on gaining self-awareness, understanding of conscious use of self in interpersonal relationships, and skills in problem
definition and interpersonal helping. In the course of this placement the student gains understanding and responsibility in job management.

The duration of this second field work placement is 45 days (315 hours).

**63.613A Social Work Practice IIIA**

Divided into two major concurrent sections. The first section, taken by all students, deals with social welfare administration, followed by a study of social work practice delineated by field, such as the health field, family and child welfare, corrective services.

The second section, which uses a variety of educational methods, concentrates upon gaining professional competence in one of the following social work methods—social casework, social group work, community work, or social welfare administration. The last two of these elective methods can only be taken with the permission of the lecturer concerned.

**Social Welfare Administration (General Stream)**

**TEXTBOOKS**


**REFERENCE BOOKS**


**Social Welfare Administration Elective**

**TEXTBOOKS**


**REFERENCE BOOKS**


Greenblatt, Levinson & Williams. eds. *The Patient and the Mental Hospital.*

**Community Work Elective**

**TEXTBOOKS**

Kramer & Specht. eds. *Readings in Community Organization Practice.*


REFERENCE BOOKS

Alinsky, S. Reveille for Radicals.


Directory of Services for Older People. N.S.W. Council on the Ageing.

Casework Elective

TEXTBOOKS


Roberts, R. W. & Nee, R. H. Theories of Social Casework. Chicago U.P.


REFERENCE BOOKS


Strean, H. S. *Casework Digest*.

*Group Work Elective*

**TEXTBOOKS**

**REFERENCE BOOKS**
Berne, E. *Principles of Group Treatment*.
63.613B Social Work Practice IIIB

Part 1—The emphasis in this third supervised field placement is upon field evaluation of aspects of service, using a theoretical basis gained from classroom teaching. For instance, students may devise means to evaluate their own interpersonal practice or the agency's method of delivery of service to clients or the effectiveness of a particular form of social work or social welfare intervention.

The duration of this placement is 40 days (280 hours).

Part 2—Usually as a member of a student unit located in a social work agency and supervised by a field instructor of the School, the student has further learning experiences in the social work method on which he has elected to concentrate in Social Work Practice IIIA.

The duration of this fourth and final placement is 51 days (357 hours).

63.621 Social Work Research Methods I

A general introduction to the philosophical basis of research: relationship between propositions; the nature of concepts and theories; theory and theory building; exploration and prediction; relationships between knowledge research and practice, with particular reference to social work.

Basic statistical procedures: collection and classification of data; descriptive statistics; inferential statistics; non-parametric statistics.

This course provides students with the opportunity to develop competence in the selection and use of appropriate statistical procedures. Emphasis is placed on preparation for third field placement, in which students are required to carry out a statistical analysis of certain aspects of social work practice in at least some of which they are directly involved.

TEXTBOOKS


REFERENCE BOOKS


63.622 Social Work Research Methods II

A general introduction to the design, execution, and evaluation of social work research: principles of experimentation; research design; formulating objectives and hypotheses; sources of data; observations and methods of making them; classifying observations; parameter-statistic relationships, presenting conclusions; evaluative and non-evaluative research; ethical considerations; elementary computer programming.

The objective in this subject is to develop both students' knowledge about how social work research is carried out and their ability to critically evaluate completed research.
TEXTBOOKS

REFERENCE BOOKS

SCHOOL OF PHYSIOLOGY

73.011A  Principles of Physiology

An introductory course in physiology. It considers in some detail the basic problems of homeostasis encountered in man and animals. Function is considered at cellular and systemic levels, and examples are drawn from mammalian and invertebrate species.

TEXTBOOK

PREREQUISITES
17.001 General and Human Biology.
10.001 Mathematics I or 10.011 Higher Mathematics I or 10.021 Mathematics IT.
2.001 Chemistry I.
This is a two-unit course that will continue for 6 hours each week throughout the year.
HELP IMPROVE YOUR HANDBOOK

It is important to the University and to yourself that you understand its conventions and regulations. The University Calendar and faculty handbooks are means by which the University attempts to convey, amongst other things, informations regarding the facilities it has to offer, and the rules and regulations which govern the conduct and progress of students. You can help us assess the efficacy of the handbooks by completing this questionnaire, and thereby help yourself and your fellow students in the years to come.

If you would like to discuss any aspect of the Calendar or handbooks personally, please contact Mr Douglas Howie, Room 307, The Chancellery, or phone extension 3340.

1. Name of faculty ................................ Course ............ Yr./Stage ...........

A. CONTENTS

2. What information in your handbook did you find most useful? ..........................................................

3. (a) What information did you find least useful? ..........................................................

(b) Why was the information of so little use to you? ..........................................................

4. How would you rate the following information areas for inclusion in the handbook?

   (Tick appropriate square)

   Essential  Interested  Unnecessary
   To Have  Them

   Calendar of Dates ...................... ☐ ☐ ☐
   List of academic staff ............... ☐ ☐ ☐
   Course outlines or rules governing course .................................................. ☐ ☐ ☐
   Descriptions of subjects .......... ☐ ☐ ☐
   Textbook lists ......................... ☐ ☐ ☐
   Reference book lists ............... ☐ ☐ ☐
   Requirements for admission ........ ☐ ☐ ☐
   Admission and enrolment procedures .................................................. ☐ ☐ ☐
   Course fees ............................ ☐ ☐ ☐
   Rules relating to students ........ ☐ ☐ ☐
   Student services ..................... ☐ ☐ ☐
   Scholarships ......................... ☐ ☐ ☐
   Student activities ................... ☐ ☐ ☐
   Examination procedures .......... ☐ ☐ ☐
   Timetables ............................ ☐ ☐ ☐

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5. Please comment on any aspect of the information areas listed in Question 4 and particularly, if you think necessary, on the form of presentation i.e., its content, layout, position.

6. If there is any section which you feel might be expanded, please list and state why you feel it should be expanded.

7. Would you like any of the following included in the handbook?

   | Photographs of senior academic and administrative personnel | Yes | No |
   | Prices of textbooks | Yes | No |
   | Names of lecturers listed alongside subject descriptions | Yes | No |
   | Timetables | Yes | No |
   | Map of the Campus | Yes | No |
   | Any other items | Yes | No |

8. Do you use the textbook lists in your handbook when buying your books? If 'NO', please state where you obtained a list of the required textbooks.

9. Do you use your handbook when selecting reference books? If 'NO', please state where you obtained your list of reference books.

10. The handbooks are generally available at the latest by mid-December. Is this date early enough for your purposes? If 'NO', please nominate a month when you feel they should be on sale.

11. Have you ever sought information from the University Calendar because it was not available in the handbook? If 'YES', please indicate which information.

12. If you had any difficulty in obtaining a copy of your handbook, please outline problem.

B. FORMAT

13. Is the handbook a convenient size?

14. Would you prefer some of the information to be presented differently, e.g. in tabular form or expressed in a less complex manner or perhaps communicated in some other way? If 'YES', please give examples of what you would like changed, and how you would change it.

15. Have you any comments which you would like to make on either the contents or format?

When you have completed this form, please either return it personally to Mr. Douglas Howie, Assistant Registrar, Room 307, The Chancellery, or post it via the internal mail system. Thank you for your co-operation.