

FACULTY OF MEDICINE
1974 HANDBOOK



THE UNIVERSITY OF NEW SOUTH WALES

80 CENTS

FACULTY OF MEDICINE
1974 HANDBOOK

EIGHTY CENTS



THE UNIVERSITY OF NEW SOUTH WALES

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INTRODUCTION

The report of the Murray Committee on Australian Universities recommended that a second medical school be established in New South Wales and that it might well be within the University of New South Wales (then known as the New South Wales University of Technology). In October, 1958, the New South Wales Parliament amended the University's Act of Incorporation to provide for the original name of the University to be altered to the University of New South Wales and for the inclusion of medicine in the courses offered by the University.

Subsequently, steps were taken to establish the medical school in the University of New South Wales, and new pre-clinical buildings (the Wallace Wurth Medical School) were constructed on the campus and opened by Her Majesty the Queen in March, 1963.

General teaching hospitals of the University include Prince Henry and Prince of Wales, St. George and St. Vincent's Hospitals. The Royal Hospital for Women is the headquarters for the teaching of obstetrics and gynaecology. Paediatrics teaching is centralized at Prince of Wales Hospital and psychiatry is taught in each of the general hospitals and at Callan Park. Lewisham, Bankstown, Sutherland and Canterbury are associated teaching hospitals of the University.

In 1961, the first students enrolled in the Faculty of Medicine and after completion of their six years' course the first graduates qualified at the end of 1966. Those who were successful in passing their final examinations in medicine, surgery, and obstetrics and gynaecology were eligible for registration in New South Wales and entered hospitals as junior residents in 1967. Representatives of the General Medical Council of the United Kingdom visited the University to study the curriculum and to inspect the facilities of its medical school and teaching hospitals, and their visit coincided with the first final examinations of the medical course. In March, 1967, the General Medical Council recognised the MB, BS degrees of the University. This enables graduates of the new school to take up postgraduate studies or to practise in other countries which normally enjoy reciprocity for these purposes.

The faculty has established a Curriculum Review Committee which studies and makes reports concerning developments in teaching and learning in the medical school. Currently attention is being given to possible changes consequent on the extended duration of secondary education in New South Wales. The desirability of integrating pre-registration training of graduates with their previous clinical teaching and training as undergraduates has been accepted. Ways and means of achieving this are being pursued.

A five-year undergraduate course involving a new curriculum has been adopted by the Faculty of Medicine.

An outline of the five-year programme, with details of the new first year course for 1974, is contained in this handbook, beginning on page 50.

CALENDAR OF DATES FOR 1974

JANUARY

Wednesday 9	6th year medical students re-enrol
Thursday 10	5th year medical students re-enrol
Friday 11	Last date for application for review of results of annual examinations Last date for application for admission under "show cause" rules
Monday 14	First term commences—5th and 6th year medicine Timetable for deferred examinations available
Tuesday 15	Last day for acceptance of applications from students graduating in 1974 for admission to University degrees and diplomas
Friday 18	Last day for application for deferred examinations Last day for acceptance of applications to enrol by new students and students repeating first year
Wednesday 23	4th year medical students re-enrol
Monday 28	Australia Day—Public Holiday
Tuesday 29	First term commences—4th year medicine Deferred examinations begin

FEBRUARY

Friday 8	Last day for students to appeal against exclusion under the re-enrolment rules
Saturday 9	Deferred examinations end
Monday 18	Enrolment period commences for new students and students repeating first year
Monday 25	Deferred examination results available
Wednesday 27	3rd year medical students re-enrol
Thursday 28	2nd year medical students re-enrol

MARCH

Friday 1	Last date for applications for review of deferred examination results
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	Last day for students with deferred examinations to appeal against exclusion under the re-enrolment rules
Monday 4	Session 1 commences—1st, 2nd and 3rd year medicine
Wednesday 6	Faculty of Medicine meeting, 4.30 p.m.
Friday 15	Last day for acceptance of enrolments of new students (late fee payable)
Friday 22	Last day for application for review of results of deferred examinations
Saturday 23	First term ends—4th, 5th and 6th year medicine
Friday 29	Last day for changes in course programmes Last day for acceptance of enrolments of students re-enrolling (late fee payable)

APRIL

Monday 1	Second term commences—4th, 5th and 6th year medicine
Thursday 4	Last day for discontinuation without failure of subjects which extend over the first session only
Friday 12 to Monday 15	Easter Holidays
Thursday 25	Anzac Day—Public Holiday

MAY

Tuesday 7	Provisional timetable for June/July examinations published
Tuesday 14	Last day for acceptance of corrected enrolment details forms
Monday 20	May Recess begins—1st, 2nd and 3rd year medicine Last day for students to advise of examination timetable clashes
Sunday 26	May Recess ends Last date for discontinuation without failure of subjects which extend over the academic year

JUNE

Tuesday 4	Timetable for June/July examinations published
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Wednesday 5	Faculty of Medicine meeting, 4.30 p.m.
Saturday 8	Second term ends—4th, 5th and 6th year medicine
Sunday 16	Session 1 ends—1st, 2nd and 3rd year medicine
Monday 17	Queen's Birthday—Public Holiday Midyear Recess commences—1st, 2nd and 3rd year medicine
Tuesday 18	Third term commences—4th year medicine Midyear examinations commence—1st, 2nd and 3rd year medicine
Monday 24	Third term commences 5th and 6th year medicine
Sunday 30	Last day for acceptance of applications for re-admission after exclusion under rules governing re-enrolment

JULY

Tuesday 2	Midyear examinations end—1st, 2nd and 3rd year medicine
Sunday 21	Midyear Recess ends—1st, 2nd and 3rd year medicine
Monday 22	Session 2 commences—1st, 2nd and 3rd year medicine
Wednesday 24	Faculty of Medicine meeting, 4.30 p.m.

AUGUST

Thursday 1	Foundation Day
Saturday 10	Third term ends—4th year medicine
Sunday 11 to Sunday 25	August Recess—1st, 2nd and 3rd year medicine
Thursday 22	Last date for discontinuation without failure of subjects which extend over the session only
Monday 26	August Recess begins—1st, 2nd and 3rd year medicine Holiday for non-academic staff
Saturday 31	Third term ends—5th and 6th year medicine

SEPTEMBER

Sunday 1	August Recess ends—1st, 2nd and 3rd year medicine
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Tuesday 10	Provisional timetable for annual examinations published
Monday 16	Fourth term commences—4th, 5th and 6th year medicine Last day for return of corrected enrolment details forms
Monday 23	Last day for students to advise of examination timetable clashes

OCTOBER

Monday 7	Eight-Hour Day—Public Holiday
Wednesday 23	Faculty of Medicine meeting, 4.30 p.m.
Tuesday 29	Timetable for annual examinations published

NOVEMBER

Monday 4	Study Recess begins—1st, 2nd and 3rd year medicine
Sunday 10	Session 2 ends—1st, 2nd and 3rd year medicine
Monday 11	Annual examinations commence—1st, 2nd and 3rd year medicine
Saturday 23	Fourth term ends—4th, 5th and 6th year medicine

DECEMBER

Tuesday 3	Annual examinations end
Wednesday 25	Christmas Day—Public Holiday
Thursday 26	Boxing Day—Public Holiday

CALENDAR OF DATES

1974

FACULTY OF MEDICINE

First, Second and Third Year:

As for other Faculties

Fourth Year:

Term 1 (8 weeks)	....	....	January 29 to March 23
Term 2 (10 weeks)	....	....	April 1 to June 8
Term 3 (8 weeks)	....	....	June 18 to August 10
Term 4 (10 weeks)	....	....	September 16 to November 23

Fifth Year and Sixth Year:

Term 1 (10 weeks)	....	....	January 14 to March 23
Term 2 (10 weeks)	....	....	April 1 to June 8
Term 3 (10 weeks)	....	....	June 24 to August 31
Term 4 (10 weeks)	....	....	September 16 to November 23

FACULTIES OTHER THAN MEDICINE

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

CALENDAR OF DATES

1975

FACULTY OF MEDICINE

First, Second and Third Year:

As for other Faculties

Fourth Year:

Term 1 (8 weeks)	.....	January 28 to March 22
Term 2 (10 weeks)	.....	March 31 to June 7
Term 3 (8 weeks)	.....	June 17 to August 9
Term 4 (10 weeks)	.....	September 15 to November 22

Fifth Year and Sixth Year:

Term 1 (10 weeks)	.....	January 13 to March 22
Term 2 (10 weeks)	.....	March 31 to June 7
Term 3 (10 weeks)	.....	June 23 to August 30
Term 4 (10 weeks)	.....	September 15 to November 22

FACULTIES OTHER THAN MEDICINE

Session 1: March 3 to May 11

May Recess: May 12 to May 18

May 19 to June 15

Midyear Recess: June 16 to July 20

Session 2: July 21 to August 24

August Recess: August 25 to August 31

September 1 to November 2

Study Recess: November 3 to November 9

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 as well as short recesses of one week within each of the sessions.

Session 1 commences on the first Monday of March.

FACULTY OF MEDICINE

DEAN Professor R. J. Walsh
CHAIRMAN—Professor G. D. Tracy
Executive Secretary Mr. D. D. Neilson

SCHOOL OF ANATOMY

Professor of Anatomy and Head of School
Vacant

Associate Professor

B. R. A. O'Brien, BSc PhD Syd.

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C. G. dos Remedios, BSc PhD Syd.
D. A. Fernando, BVSc Ceyl., PhD Lond.
C. R. R. Watson, BSc(Med) MB BS Syd.

Lecturers

P. B. Paisley, BSc Belf., LRCPEd&Glas, LRCSEd&Glas
M. S. R. Smith, BSc PhD Cant.
Elizabeth Tedder, BA MB BS Syd.
D. R. Utley, MB BS Syd.

Senior Tutors

W. H. Brook, MB BS Melb., FRCSEd
R. Latt, MB BS Rangoon

Tutors

M. V. Bhandary, MB BS Mys.
D. J. Cairneross, MB BS N.S.W.
A. H. Jebb, MB BS Syd.

Teaching Fellow

P. A. McGrath, BSc Syd.

Professional Officers

F. Baldwin, AMIBiol (Lond.)
H. C. Bartle, FIST

SCHOOL OF COMMUNITY MEDICINE

Professor

Vacant

Co-ordinator of Studies in Community Medicine

Associate Professor J. E. Cawte, MD BS BSc Adel., DPM Melb.,
PhD N.S.W., FANZCP, FRCPsych, FAPA

Professor of Human Genetics and Acting Head of School

R. J. Walsh, OBE, MB BS Syd., FRACP, FAA, FRCPA

Senior Lecturers

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E. M. Nicholls, MD BS Adel
A. E. Stark, BA Adel., MA N.S.W.

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 A. W. Steinbeck, MD BS *Syd.*, PhD *Lond.*, FRCP, FRACP
 D. E. L. Wilcken, MD BS *Syd.*, MRCP, MRACP

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 B. H. Gandevia, MD BS *Melb.*, FRACP
 J. W. Lance, MD BS *Syd.*, FRCP, FRACP
 *I. P. C. Murray, MD ChB *Glas.*, FRCPEd, MRACP

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 MRCPEd, MRCP
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 *D. Jeremy, BSc(Med) MB BS *Syd.*, FRACP

Professional Officer

Helen M. Theile, BSc *Qld.*, MSc *N.S.W.*

Department of Diagnostic Radiology**Associate Professor (Diagnostic Radiology)*

H. B. L. Williams, MA MD BChir *Camb.*, MCCR, DMRD *Lond.*,
 DR(Canada), FRACR, FRSM, MRCS, MRCP

Lecturer

*G. J. Harrington, MB BS *Syd.*, MRACR

Department of Rehabilitation Medicine*Senior Lecturer*

*G. G. Burniston, CMG, OBE, MB BS *Syd.*, DPRM, FACMA

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Associate Professors

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 **D. N. Wade, BSc(Med) MB BS *Syd.*, DPhil *Oxon.*, FRACP

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 M. F. O'Rourke, MD BS *Syd.*, MRACP

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M. E. Schonell, MB BS *Qld.*, FCCP, FRCPEd, MRACP

Lecturer

D. S. Pryor, MD BS *Syd.*, MRACP

*Conjoint appointment with Prince Henry Hospital

**Conjoint appointment with St. Vincent's Hospital

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Lecturer

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L. H. Stevens, MB ChB BSc N.Z., PhD Lond., FRACP

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Lecturer

†I. B. Kern, MB BS Syd., FRCS, FRACS

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A. W. J. Lykke, MD BS Adel., FRCPA, MCPATH

*A. Tait Smith, MD BS Melb., FRACP, FRCPA

Associate Professor of Bacteriology

†D. D. Smith, MD ChB Glas., FRCPA, MRCPath (seconded to School of Microbiology)

Senior Lecturers

††A. E. Gatenby, MB BS Syd., FRCPA, MRCPath

†V. F. Munro, MB BS, DCP Syd., FRCPA

§R. A. Osborn, MD BS BSc Lond., FRCPA, MRCPEd, MRCPath
MAACB*Lecturers*

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C. R. Howlett, BVSc PhD Syd.

L. J. Yong, BSc(Med) MB BS N.S.W.

Senior Tutor

Lalitha Gupta, MB BS Delhi

*Conjoint appointment with Prince Henry Hospital

†Conjoint appointment with Prince of Wales Hospital

§Conjoint appointment with Royal Hospital for Women

††Conjoint appointment with St. George Hospital

‡ Conjoint appointment with St. Vincent's Hospital.

Honorary Associates

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 B. B. Turner, MB BS Syd., FRCPA, MRACP
 G. M. Watson, MB BS Adel., DPhil Oxon., FRCPA, MRCP, MRACP

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 J. J. Carmody, MB BS Qld.
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 I. R. Neering, BSc N.S.W., MSc Syd.

Teaching Fellow

- R. J. Balnave, BSc N.S.W.
 D. Morgans, BSc Syd.

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 *J. E. Cawte, MD BS Adel., DPM Melb., PhD N.S.W., FANZCP, FRCPsych, FAPA
 N. McConaghy, MB BS Qld., BSc MD DPM Melb., FANZCP

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 B. Nurcombe, MB BS Qld., DPM Melb., FANZCP

Lecturers

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 Susie E. M. Owen, MB BS Syd., DCH Glas., DPM(RCP&RCS), MANZCP
 J. S. Smith, MB BS Syd., DipPsychol Med N'cle (U.K.), MANZCP

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*Conjoint appointment with Prince Henry Hospital

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†G. M. Davidson, MB BS DA Syd., FFARACS

Lecturers

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Teaching Fellow

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C. J. Magarey, BSc(Med) MB MS Syd., FRCSEd, FRCS. FRACS

Lecturer

††R. V. Young, MB BS Syd., DA Lond.

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Professor of Traumatic and Orthopaedic Surgery and Head of Department

R. L. Huckstep, CMG, MA MD Camb., FRCSEd, FRCS. FRACS

ELECTRON MICROSCOPE UNIT

Electron Microscopist

M. R. Dickson, BSc N.Z., PhD A.N.U.

*Conjoint appointment with Prince Henry Hospital

†Conjoint appointment with Prince of Wales Hospital

§Conjoint appointment with Royal Hospital for Women

††Conjoint appointment with St. George Hospital

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AND DEVELOPMENT

Director

Emeritus Professor F. F. Rundle, MD BS BSc Syd., FRCS, FRACS

REGIONAL TEACHER TRAINING CENTRE
FOR HEALTH PERSONNEL

Director

Emeritus Professor F. F. Rundle, MD BS BSc Syd., FRCS, FRACS

Lecturer

W. J. Pigott, MB BS Syd., MRACP

Administrative Officer

A. G. Middleton. LLB Melb.

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Teaching Hospitals

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Senior Administrative Officer

Vacant

Clinical Supervisors

Medicine—Vacant

Surgery—

G. R. Pritchard, MB BS Syd., MS Wash., FRACS

ST. VINCENT'S HOSPITAL

Senior Administrative Officer (Medical)

P. J. Kenny, MB BS Syd., FRCS, FRACS

Clinical Supervisor

Medicine—

W. A. Seldon, MB BS Syd., FRACP, MRCP

Surgery—Vacant

ST. GEORGE HOSPITAL

Warden of Clinical Studies

B. Haneman, MB BS Syd., FRACP

ROYAL HOSPITAL FOR WOMEN

Warden of Clinical Studies

E. G. Bosch, MB BS Syd., MRCOG

Associated Hospitals

BANKSTOWN HOSPITAL

Clinical Supervisor

P. D. Edwards, MB BS Syd., MRACP

SUTHERLAND HOSPITAL

Clinical Supervisor

N. W. Kinny, MB BS Syd., FRACS

LEWISHAM HOSPITAL

Clinical Supervisor

G. J. Leslie, MB BS Syd., FRCS, FRACS

CANTERBURY HOSPITAL

Honorary Clinical Supervisor

M. A. Carlton, MB BS BScAgr Syd., MRCOG

MEDICAL ILLUSTRATION UNIT

Officer-in-charge

K. W. Deason. ARPS. AIAP

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 1974 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.

Matriculated Student

A candidate who has satisfied the conditions for matriculation and for admission to a course of study shall be classed as a "matriculated student" of the University, after enrolment.

A person who has satisfactorily met the conditions for admission may be provided with a statement to that effect 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:—
- | | | |
|-----------------|------------------|-----------------|
| English | Greek | Chinese |
| Mathematics | Latin | Japanese |
| Science | French | Hebrew |
| Agriculture | German | Dutch |
| Modern History | Italian | Art |
| Ancient History | Bahasa Indonesia | Music |
| Geography | Spanish | Industrial Arts |
| Economics | Russian | |
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 Prerequisites;
- or
- (b) the requirements regarding these particular Faculty, Course or Subject Prerequisites, 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.

SCHEDULE A

FACULTY OR COURSE	FACULTY OR COURSE PREREQUISITES
Applied Science (excl. Applied Geography and Wool and Pastoral Sciences courses) Biological Sciences Engineering Industrial Arts course Medicine Military Studies (Engineering course and Applied Science course) Science Bachelor of Science (Education)	(a) Science at Level 2S or higher AND (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.
Architecture Applied Geography (Biogeography and Pedology specializations) Wool and Pastoral Sciences courses	(a) Science at Level 2S or higher AND (b) Mathematics at Level 2S or higher
Applied Geography (Economic Geography specialization)	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.
Arts	English at Level 2 or higher

Continued next page

FACULTY OR COURSE	FACULTY OR COURSE PREREQUISITES
Commerce	(a) Mathematics at Level 2S or higher AND (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.
Law Combined Arts/Law Combined Commerce/Law Combined Jurisprudence/Law	Nil As for Arts As for Commerce Nil
Military Studies (Art course)	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 of English literature.
Social Work course	English at Level 2 or higher OR English at Level 3, provided that the candidate's performance in the 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 English I.

SUBJECT	SUBJECT PREREQUISITES
1.011—Higher Physics I 1.001—Physics I	As for Faculty of Science
2.001—Chemistry I 17.011—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 II	Mathematics at Level 2S or higher
15.102—Economics II	As for Faculty of Commerce
50.111—English I 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.

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.

General Studies Programme

Almost all undergraduates in Faculties other than Arts and Law are required to complete a General Studies programme. Courses (in addition to the Faculties of Arts and Law) which do not have this requirement are Bachelor of Science in Psychology, Bachelor of Science in Economic Geography, Bachelor of Science (Education) and Bachelor of Health Administration. The Department of General Studies publishes its own Handbook which is available free of charge. All details regarding General Studies courses and requirements are contained in it, and students are advised to obtain a copy. All enquiries about General Studies should be made to the General Studies Office, Room G15, Morven Brown Building (663-0351), Extn. 2091).

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 should be observed.

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 permission 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.

ADMISSIONS PROCEDURE

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 (Box 7049, G.P.O., Sydney, 2001). On the application form provision is made for applicants to indicate preferences for courses available in any 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.

ENROLMENT PROCEDURE

In 1974 it will be necessary for the University to impose quotas in each Faculty and Board of Studies.

The enrolment procedure for the different classes of undergraduate students is as follows:—

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 (Box 7049, G.P.O., Sydney), by 26th October, 1973.
- (b) New South Wales residents qualifying for admission by the 1973 New South Wales Higher School Certificate Examination or the 1974 Sydney University Matriculation Examination and those who have attended a University in New South Wales in 1973 must apply for enrolment to the Metropolitan Universities Admissions Centre, 13-15 Wentworth Avenue, Sydney (Box 7049, G.P.O., Sydney), by 18th January, 1974.

Students whose applications for enrolment are accepted will be required to complete their enrolment at a specified appointment time before the beginning 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.

ENROLMENT PROCEDURE FOR YEAR 1 REPEATS, YEARS 2, 3, 4, 5 and 6 MEDICAL STUDENTS

Students wishing to transfer to Medicine II from some other faculty (or university) should lodge an application through the Metropolitan Universities Admissions Centre, 13-15 Wentworth Avenue, Sydney (Box 7049, G.P.O., Sydney), by the appropriate closing date (see under First Enrolments).

Complete details on enrolment procedure (including the payment of fees) are set out in the booklet *Enrolment Procedure 1974 for Students Re-enrolling*.

To complete their enrolment, students in years 2 to 6 (both inclusive) are required to attend **Lecture Theatre 'D', Wallace Wurth School of Medicine**, on the dates set out below. Failure to do so will incur a late fee of \$10.

Fees should be paid at the time of enrolment, but they may be paid up to March 16, 1973, without a late fee being incurred. Fees will not be accepted after March 29 without the express approval of the Registrar, which will be given in exceptional circumstances only.

Medicine 1 (Repeats)

Students re-enrolling in subjects in First Year of the Medical Course in 1974 should attend *Unisearch House, 221 Anzac Parade (across from Main Campus)*, on Thursday, February 28, 9.30 a.m. to 12.30 p.m.

Medicine 2 . . . Thursday, February 28

Students with surnames "A"-"J": 10.00 a.m. to 12 noon.

Students with surnames "K"-"Z": 2.00 p.m. to 4.00 p.m.

Medicine 3 . . . Wednesday, February 27

Students with surnames "A"-"J": 10.00 a.m. to 12 noon.

Students with surnames "K"-"Z": 2.00 p.m. to 4.00 p.m.

Medicine 4 . . . Wednesday, January 23

Students with surnames "A"-"J": 10.00 a.m. to 12 noon.

Students with surnames "K"-"Z": 2.00 p.m. to 4.00 p.m.

Medicine 5 . . . Thursday, January 10

Students with surnames "A"- "J": 10.00 a.m. to 12 noon.

Students with surnames "K"- "Z": 2.00 p.m. to 4.00 p.m.

Medicine 6 . . . Wednesday, January 9

Students with surnames "A"- "J": 10.00 a.m. to 12 noon.

Students with surnames "K"- "Z": 2.00 p.m. to 4.00 p.m.

RESTRICTION UPON STUDENTS RE-ENROLLING

The University Council has adopted the following rules governing re-enrolment with the object of requiring students with a record of failure to show cause why they should be allowed to re-enrol and retain valuable class places. These rules apply retrospectively from January 1, 1971.

- 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.

* This rule will be restated from 1974. Information on the revised statement will be available from the Faculty Office from 30th January, 1974.

- 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:

Number of years in course	Total time allowed from first enrolment to completion (years)
3	5
4	6
5	8
6	9
7	11
8	12

- 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 re-admission 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 provisions 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 these 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.

FEES

Payment of Fees

As from January 1, 1974, no fees for tuition will be payable. Other fees and charges will still be payable. These include those charges raised to finance the expenses incurred in operating student activities such as the University Union, the Students' Union, the Sports Association and the Physical Education and Recreation Centre. Late fees are also charged where a student fails to observe required procedures by the appropriate time. Charges may also be payable, sometimes in the form of a deposit, for the hiring of kits of equipment which are lent to students for their personal use during attendance in certain subjects. Accommodation charges and costs of subsistence on excursions, field work etc. and for hospital residence (medical students) are payable in appropriate circumstances. In order to become a student member of the University in any particular course of study it is necessary to meet the entrance requirements for the course and to enrol formally in it. To effect enrolment it is necessary to present a duly completed and authorized enrolment form to the University cashier together with where payable, either the appropriate fees, or an authority authorizing those fees to be charged to some other person or institution.

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 who fails to complete enrolment 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 below.) **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 in year-long courses after the end of the second week of Session 1 (i.e. March 15, 1974), and after March 31 from students who are re-enrolling, except with the express approval of the Registrar, which will be given in exceptional circumstances only.

Students enrolling for the first time in any year at the commencement of Session 2 are required to pay all fees due within the first two weeks of that Session. Students' Activities fees due will be one-half of the annual fees.

These arrangements also apply to medical students and, although the structure of the academic year in the later years of the course in Medicine differs from that followed in other courses, medical students are required to observe the same dates for payment as apply to students in other courses.

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 extension 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 is sought, and must be lodged before the date on which a late fee becomes payable. Normally the maximum

* The enrolment periods for Sydney students are prescribed annually in the leaflets on enrolment procedures.

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 may only attend classes on the written authority of the Registrar, but such authority will not normally be given in relation to any course where enrolments are restricted.

Failure to Pay Fees and Other Financial Obligations

Any student who fails to pay prescribed fees or charges or is otherwise 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 the use of University facilities. Such a student is not permitted to register for a further session, to attend classes or examinations, or to be granted any official credentials.

No student is eligible to attend the annual examinations in any subject where any portion of his fees for the year is outstanding after the end of the fourth week of Session 2 (August 16, 1974).

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 the relevant circumstances.

Student Fees*

All undergraduate students and students taking miscellaneous subjects (with the exception of External students) will be required to pay—

University Union**	\$20.00	—	entrance fee
Student Activities Fees			
University Union**	\$30.00	—	annual subscription
Sports Association**	\$4.00	—	annual subscription
Students' Union**	\$7.00	—	annual subscription
Miscellaneous	\$17.00	—	annual fee

(The miscellaneous fee is used to finance expenses generally of a capital nature relating to student activities. Funds are allocated to the various student bodies for projects recommended by the Student Affairs Committee and approved by the University Council.)

Depending on the subject being taken, students may also be required to pay—

* Fees quoted in the schedule are current at the time of publication and may be amended by the Council without notice.

** Life members of these bodies are exempt from the appropriate fee or fees.

Pathology Instrument Kit—\$10.

(Refundable on return in satisfactory condition.)

Special Examination Fees

Examinations conducted under special circumstances	\$11 for each subject
Review of examination result	\$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 1 to March 31	\$20
Fees paid after March 31 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

Costs in Addition to Fees

As the student may not be aware when embarking on his degree of the incidental costs which will occur from time to time in the course of his six years' study, the following is an estimate, based on students' experience, of the expenditure which is likely to be incurred over the full length of the course. The amounts quoted will, of course, be subject to some fluctuation and to some individual variation.

	<i>\$ approx.</i>
Textbooks	600
Skeleton	40
Stethoscope	10
Seven coats	35

Miscellaneous (papers, pens, kits (pathology, biochemistry, histology), torch, etc.)	80
Residency (18 weeks)	175
Special travel	100
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	\$1,040
	<hr/>

Withdrawal from Course

1. Students withdrawing from a course are required to notify the Registrar in writing.
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 will be made.
3. On notice of withdrawal:
 - (a) a partial refund of the University Union Entrance Fee will be made on the following basis: any person who has paid the entrance fee in any year and who withdraws from membership of the University Union after the commencement of Session 1 in the same year, or who does not renew his membership in the immediately succeeding year may on written application to the Warden receive a refund of half the entrance fee paid.
 - (b) A partial refund of other Student Activities Fees will be 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 the 5th week a full refund is made; thereafter no refund.
 - Miscellaneous Student Activities Fee—\$4.25 in respect of each half session.
4. Where initial enrolment 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.

ANNUAL EXAMINATIONS

Formal examinations in most faculties are held in June-July and November-December. Provisional timetables including the dates and times 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 on May 7 and September 10. Students must advise the Examinations Unit (Chancellery) of clash of examinations by May 20 and September 23. Final timetables will be displayed, and individual copies available for students, on June 4 and October 29.

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.

Final examination results are posted to the term addresses of students and it is therefore essential that any change of address be advised at the Examination and Student Records Section. Results are also posted on School notice boards and in the Foyer of the Library. No examination results will be given by telephone.

Examination results may be reviewed for a fee of \$11.00 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 circumstances 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 that his progression or graduation could depend on his failure in one subject only, then his position in that subject shall be again reviewed with a view to determining whether a deferred examination may be granted notwithstanding his failure otherwise to qualify for such concession.

Deferred examinations must be taken at the centre in which the student is enrolled, unless he has been sent on compulsory industrial training to remote country centres or interstate. In this case the student must advise the Registrar, on a form available from his school or the enquiry desk, Chancellery, of relevant particulars, before leaving for his destination, in anticipation that deferred examination papers may have to be forwarded to him. Normally, the student will be directed to the nearest University for the conduct of the deferred examination.

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.

Conceded Deferred Examination

A conceded deferred examination may be granted to a student where the mark in the subject is below the standard at which deferred examinations have been granted in the subject but whose overall performance warrants such a concession.

APPLICATION FOR ADMISSION TO DEGREE

Applications for admission to a degree of the University must be made on the appropriate form by September 30 in a student's final year. Any variation such as cancelling of application in order to proceed to an honours degree or submission of an application following discontinuation of honours programme, must be submitted in writing to the Registrar no later than January 30.

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 authorised 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 term 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-enrols 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.

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, January 18. As quotas will operate on entry to all Faculties, the Board of Professional Studies and the Board of Studies in Science, failure to apply by January 18, 1974, 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.

RE-ADMISSION AFTER EXCLUSION

Applications for re-admission must be made on the standard form and lodged with the Registrar not later than June 30 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.

CHANGES IN COURSE PROGRAMMES AND WITHDRAWAL FROM SUBJECTS

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 March 31.

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 April 30 and September 2. 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 May 14 and September 16 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 \$8.00 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 January 18, 1974. 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.

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 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.

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.

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.

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: motor cycle 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 telephone 663-0351, extension 2920. It should be noted that increasing demand for parking space may require the imposition of further restrictions.

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".

380. MEDICAL COURSE (MB, BS)

Until 1974 the medical course extended over six years of full-time study, but in 1974 the Medical Faculty introduced an entirely reorganised course extending over five years. This reorganised course has been developed in response to a world-wide pattern of change in medical education; other factors include the additional year of secondary school education, the high level of academic achievement necessary to gain entrance to the Faculty, and recognition of the growing period of graduate education necessary to enter any field of major clinical responsibility. Changes proposed for the new course are substantial, and include integration of all parts of the course with detailed specification of course objectives. Clinical experience will begin in the first year of the medical course, with the aim of indicating the relevance of all parts of the educational programme.

The six-year medical course leads to the degrees of Bachelor of Medicine (M.B.) and Bachelor of Surgery (B.S.) which have been recognised (1967) by the General Medical Council of the U.K. These degrees may be awarded in the following grades: Honours Class I; Honours Class II, Division I; Honours Class II, Division II, or Pass level.

The six-year course consists of one year of pre-medical studies, followed by two years of mainly pre-clinical studies, and three years devoted mainly to clinical studies.

Throughout the curriculum there will be an emphasis on co-ordination and integration of teaching, both between the various pre-clinical subjects and between the pre-clinical and the clinical subjects. Classes will, where possible, be kept to small groups, and teaching methods will place great reliance on group tutorial teaching, both in the laboratories and at the bedside.

Year 1

Details of the programme for year 1, 1974, in the new five-year undergraduate course begin on page 50 of this handbook.

SIX-YEAR UNDERGRADUATE COURSE (FOR STUDENTS ENROLLED 1973 OR EARLIER)

Years 2 and 3—Pre-clinical

After enrolment in second year, students receive full-time instruction in the subjects of the pre-clinical and clinical courses. Final

examinations in each of the three subjects in second year are held at the end of second year. There is an examination in Medical Statistics and Human Genetics during the midyear recess, and examinations in each of the other six subjects taught in third year.

		Hours per Week for 2 Sessions	
YEAR 2		Lec.	Lab./Tut.
41.121	Biochemistry	3	— 5
70.111	Human Anatomy	3	— 7
	General Studies Elective	1	— $\frac{1}{2}$
		7	— $12\frac{1}{2}$

		Hours per Session			
		SESSION 1		SESSION 2	
		Lec.	Other	Lec.	Other
12.131	Psychology	28	9	27	10
44.211	Microbiology	42	15	28	42
72.211	General Pathology	14	20	28	28
73.111	Physiology	70	84	37	64
73.211	Pharmacology	14	0	28	9
78.111	Medical Statistics and Human				
	Genetics	28	28	0	0
	General Studies Elective	14	7	14	7
		210	163	162	160

Allocation to Hospitals

At the end of Year 3, students are asked to list their preferences regarding assignment to teaching hospitals. This, together with the student's term address, sex, and academic record, is taken into account in the final allocation which is made after the Year 3 examinations. A student representative is a member of the committee which makes the allocations.

The Clinical Years (Years 4, 5 and 6)

The clinical curriculum includes instruction in medicine, surgery, obstetrics and gynaecology, paediatrics, psychiatry, pathology, human genetics, and community medicine.

These subjects will be taught largely in the teaching hospitals of the University. Instruction will be chiefly by bedside teaching and tutorials. Active student participation will be ensured by arranging for all students to serve as clinical clerks for a period of some two years.

The three clinical years are each made up of four terms. With the exception of the first and third terms of fourth year, which are of eight weeks' duration, all terms are of ten weeks. The amount of

rostered time will be restricted to not more than 27 hours each week. This should allow at least one half-day of free time each week. In addition, electives are offered in the final two years of the course. Examinations in medicine and pathology will be held at the end of term 3 in year 4.

YEAR 4

		Hours per term			
		Term 1 (8 weeks)	Term 2 (10 weeks)	Term 3 (8 weeks)	Term 4‡ (10 weeks)
		Lec. Other*	Lec. Other*	Lec. Other*	
71.111	Introductory Medicine including Applied Pharmacology, Parasitology and Tropical Medicine	18 — 48	24 — 60	0 — 36	
72.091	Clinical Laboratory Methods	0 — 0	0 — 0	0 — 25	
72.111	Pathology	30 — 30	35 — 40	36 — 8	
74.111	Introductory Surgery	0 — 0	0 — 40	0 — 36	
75.111	Introductory Obstetrics & Gynaecology	10 — 0	0 — 0	0 — 0	
76.111	Introductory Paediatrics	16 — 0	0 — 0	0 — 0	
77.111	Introductory Psychiatry	18 — 0	0 — 0	0 — 0	
	General Studies Elective	42 hours spread over four terms (if not otherwise completed)			

*Includes tutorials, laboratory work and, where applicable, tutorial time in wards and clinics

‡In Term 4 in Year 4 students enter the first blocks of clinical teaching as shown hereafter under "Block Teaching Arrangements".

BLOCK TEACHING ARRANGEMENTS

Year 4 (Term 4) to Year 6

Under these arrangements the syllabus will not be fragmented, but instead individual fields will be compacted to form blocks of teaching, and in place of studying a number of subjects concomitantly, students will concentrate on one subject for a whole term. For this purpose, on entering Term 4 in fourth year, students will be allocated

to a particular group—Group A, B, C, or D—and will follow the programme of that group for four terms. On entering Term 5.4 another cycle of activities will be pursued.

A teaching block will consist of all working days except Wednesday mornings in a ten-week term.

The following should be noted:

1. Students will be required to attend autopsy demonstrations totalling 40 hours during Fifth and Sixth Years.
2. Residency periods will be offered in each of the clinical subjects.

TEACHING BLOCKS

GROUP	A.	B.	C.	D.
Term 4.4	Medicine	Surgery	Paediatrics	Psychiatry
Term 5.1	Paediatrics	Psychiatry	Medicine	Surgery
Term 5.2	Surgery	Paediatrics	Psychiatry	Medicine
Term 5.3	Psychiatry	Medicine	Surgery	Paediatrics
Term 5.4	Medicine	Surgery	Obstetrics & Gynaecology	Elective*
Term 6.1	Surgery	Obstetrics & Gynaecology	Elective*	Medicine
Term 6.2	Obstetrics & Gynaecology	Elective*	Medicine	Surgery
Term 6.3	Elective*	Medicine	Surgery	Obstetrics & Gynaecology
Term 6.4	Final Re-vision and Examination	Final Re-vision and Examination	Final Re-vision and Examination	Final Re-vision and Examination

- * (i) Subject to the approval of the clinical school involved, an elective may be taken in any of the clinical terms.
- (ii) Students may elect to spend this term in residence in one of the associated hospitals of the University. Arrangements for them to do so will be co-ordinated through the Faculty office.
- (iii) Students who wish to undertake some other activity may submit a plan for approval by the Dean. Projects may include work in a school or department of the University or in hospitals, medical work in another country, participation in the work of a government or local government authority, residency in a country hospital as mutually arranged by the student and the hospital, participation in a general practice or some similar activity.

1974 FIVE-YEAR UNDERGRADUATE COURSE

Commencing in 1974, the medical course will extend over five years of full-time study leading to the degrees of Bachelor of Medicine and Bachelor of Surgery (MB, BS). The general goal of the course is to produce a graduate who is competent to undertake the care of patients (under supervision) at the level of a provisionally registered medical officer, and who is adequately prepared at the time of full registration to undertake further education and training in any field of medicine.

Owing to the number of students seeking to enrol in medical courses in relation to facilities available, admission to the medical course is competitive.

In the first three years of the course, in addition to medical subjects, students will complete certain subjects in the humanities and social sciences, in conformity with the University's policy that science based faculties should include instruction in subjects of a general educational character.

The following broad outline has been prepared to give students who enrol in first year in 1974 an indication of their programme. This is followed by details of the first year. Enrolled students will be provided with details of subsequent years as soon as they become available.

First Year

The first year will be conducted in two academic sessions. Session 1 will include human biology and courses in chemistry and physics designed specifically for medical students. These lead on to courses in human structure and function and biochemistry for medical students in Session 2. A strand which will run through all years of the course will commence in Session 1; in this year it will deal with aspects of human behaviour, and will include the taking of social histories from patients. (In 1974, the first year component of this strand is entitled 80.011 Introductory Clinical Studies.)

Second Year

This will also be conducted in two academic sessions, the principal component of which will be an integrated course in human structure and function embracing anatomy, biochemistry and physiology. The objective of this course is to give students a broad knowledge and understanding of human structure and function based on scientific principles and relevant to further study in medicine. In this year students will make contact with patients and the physical aspects of disease, in order that they may apply their knowledge and understanding to the clinical situation. The strand dealing with human

behaviour, which commenced in Year 1, will continue, and will deal with aspects of community medicine, human genetics and biostatistics.

Third Year

The principal programme in third year deals with courses in paraclinical science, integrating general pathology, microbiology, immunology and pharmacology. The strand dealing with human behaviour and community medicine will continue. This year will see the beginning of a programme based on the principal teaching hospitals. Students will build upon their experience of the physical aspects of disordered function in a systematic study of the signs and symptoms of disease. In addition, studies will continue to reinforce the scientific basis of medicine. Year 3 will be conducted over four terms of ten weeks, and it is proposed that the principal assessment for the paraclinical science subjects will be conducted at the end of the third term. This will provide an opportunity in fourth term for special activities as determined by Faculty. By the end of Year 3, the student will have spent sufficient time in the hospital environment to know how a hospital functions. He should be able to communicate with patients and understand their problems, take a clinical history, conduct a physical examination, and detect abnormalities.

Fourth Year

Year 4 will be entirely based on the hospital, community health centre and general practice. It is proposed that this year will comprise five terms of eight weeks with the main programme designated as integrated clinical teaching, including clinical clerking. This course will be provided principally by the schools of medicine, surgery and pathology. It is proposed that the structured component of this course will be covered in three or four half-day sessions per week. This will provide time for five clerkships each of eight weeks, in which the student is allotted to a particular clinical team, as far as possible according to his choice. The student will be an integral member of the team and be responsible for case recording involving the patients' continuing management, living in on admitting nights and week-ends, attending out-patient clinics, attending autopsies, and where possible, following up with home visits. A principal assessment in this phase of the course will be conducted at the end of Year 4.

Fifth Year

It is proposed that Year 5 will comprise five terms each of eight weeks. This year will include instruction in paediatrics, psychiatry, obstetrics and gynaecology, residence in associated hospitals, and an elective term.

Bachelor of Science (Medicine)

A one-year programme leading to the degree of BSc(Med) will also be offered to students in the medical course who have achieved a high standard in their studies. In general the aims of the year, normally spent in supervised research, are to enable the student to acquire an appreciation of the value of observation and experimentation in the development of medical science, and to learn how to determine the "current state of knowledge" in a defined field. This year will enable the student to gain experience in the written and spoken presentation of scientific information.

Details of enrolment are given in the conditions for award of the degree of BSc(Med) on page 55.

Details of Year 1 1974, Sessions I and II—

1. CURRICULUM

Session I

		Hours per Week for 14 Weeks	
		Lec.	Lab./Tut.
2.011	Chemistry for Medical Students	4	4
1.081	Physics for Medical Students	2	2
17.011	Human Biology	2	4
80.011	Introductory Clinical Studies	-	3
	General Studies	2	1

Session II

		Hours per Week for 14 Weeks	
		Lec.	Lab./Tut.
41.011	Biochemistry for Medical Students	3	5
70.001	Human Structure & Function	3	7
80.011	Introductory Clinical Studies	-	3
	General Studies	2	1

2. DESCRIPTION OF SUBJECTS

2.011 Chemistry I for Medical Students (see page 59)

1.081 Physics for Medical Students

Light, optics, lenses, image formation, instruments, the microscope, the eye, lasers, the ophthalmoscope.

Vapor pressure, surface tension, viscosity, wetting, hydrodynamics, fluid flow, the cardiovascular system.

Electricity, electrical energy, electrical instruments, capacitors, transients, oscillography, electrochemical cells, membrane potentials, bioelectricity, nerve transmission.

Wave motion, modern physics, em radiation, diathermy, photons, quanta nuclear radiations, radiation biology, quantum vision.

TEXTBOOK

Halliday, D. and Resnick R. *Physics for Students of Science Engineering*. Vol. I. Wiley.

Notes will also be made available for students.

17.011 Human Biology (see page 61)

80.011 Introductory Clinical Studies

This course is intended to allow the student to identify himself as a member of the medical profession by a study of adults in their social setting; children in their psycho-physical growth; an introduction to the care of patients and concepts of health, illness, adaptation and adjustment. The student will be particularly concerned with communication with patients and his fellow students by group discussion and group projects.

Session I Group Dynamics and the Adult Personality

Social histories. Group dynamics. The role of the doctor in the community. The application of basic science to medical education. The care of the chronically ill. Human sexuality.

Session II The Child in Society

Genetic factors. The neo-natal period. Infancy. Early childhood. Late childhood. Adolescence. Sexual development and education in childhood. Intellectual development and learning difficulties.

41.011 Biochemistry for Medical Students

Year I—Session II

Physical and chemical properties and function roles of the principal biological constituents of man. Enzymology, energetics, metabolism of principal cell constituents in the organs and tissues of man, multi-cellular organization, metabolic and hormonal regulations and whole body metabolism.

TEXTBOOKS

McGilvery, R. W. *Biochemistry: A Functional Approach*. Saunders, 1970 (\$16.50)

Bohinski, R. C. *Modern Concepts in Biochemistry*. Allyn & Bacon, 1973 (\$4.50)

Montgomery, R. and Swenson, C. A. *Quantitative Problems in Biochemical Sciences*. Freeman, 1969 (\$3.95)

70.001 Human Structure and Function

The course in Human Structure and Function, comprising 10 hours per week in Session II, 1974, deals principally with Human Morphology and Mammalian Cells. Topics include:

(1) *Human morphology*: musculo-skeletal anatomy studied in a regional manner, with relevant vascular and nervous components investigated. Functional aspects of musculo-skeletal anatomy.

(2) *Mammalian cell structure and function*: Light microscopy and electron microscopy of cells and of tissues. The function of cells, and the complexes of cells and cellular products which form tissues.

The physical and chemical principles of transport and exchange in body systems. Properties and functions of cell membranes. Functions of specialized cells: nerve, muscle. Biological energy systems. An introduction to control mechanisms in human function. Introduction to organ physiology.

TEXTBOOK

Passmore, R. and Robson, J. S. *A Companion to Medical Studies*. Vol. I. (Anatomy, Biochemistry, Physiology and related subjects.) Blackwell Scientific Publications, Oxford and Edinburgh, 1972. (\$16.00)

BACHELOR OF SCIENCE (MEDICINE)

Conditions for the Award of the Degree

The following conditions have been approved for the award of the degree of Bachelor of Science (Medicine)—BSc(Med):

1. (i) Students who have successfully completed the first three years of the medical course may enrol for the degree of B.Sc.(Med.) in one of the following basic medical science subjects of the medical curriculum:
Anatomy, Biochemistry, Human Genetics, Microbiology, Pathology, Pharmacology or Physiology;
- (ii) the student's performance in the subject of his choice shall have been of a high standard and the student may register as a candidate for the degree, subject to the permission of the Head of the School concerned;
- (iii) enrolment normally will be effected at the end of the third year or at the end of the third term of the fourth year in any of the above subjects, but students in later years of the medical course or medical graduates may enrol at any time subject to the permission of the Dean and the Head of the School concerned. Students intending to enrol in the subjects Anatomy or Biochemistry may lodge applications at the end of the second year of the course.
2. (i) Students who are in later years of the medical course or medical graduates may enrol for the degree in a basic medical science in any of the clinical schools;
- (ii) the student's performance in the subject of his choice shall have been of a high standard and the student may register as a candidate for the degree, subject to the permission of the Head of the clinical School concerned;
- (iii) enrolment may be effected at the end of any clinical term, subject to the permission of the Dean and the Head of the School concerned.
3. (i) Medical graduates may enrol for the degree in a clinical science in any of the clinical schools;

- (ii) the student's performance in the subject of his choice shall have been of high standard and the student may register as a candidate for the degree, subject to the permission of the Head of School concerned;
 - (iii) enrolment may be effected at the end of any clinical term subject to the permission of the Head of School concerned.
4. The course in each subject shall be a special course designed to introduce the student to research in the particular discipline. The programme shall consist of such formal and special work, and such examinations as prescribed by the Head of the School and approved by a Faculty ad hoc committee.
 5. The award upon completion of the course shall be Bachelor of Science (Medicine) Honours Class I, Honours Class II, or pass level; if the performance of the student has been unsatisfactory, no award shall be made.
 6. The duration of the course shall be one year.
 7. A student may qualify for the award of the degree of Bachelor of Science (Medicine) at the conclusion of such year.

THE TEACHING HOSPITALS

Medical students in the clinical years (Years IV-VI) receive most of their instruction in the teaching hospitals of the University.

The Prince Henry/Prince of Wales/Eastern Suburbs Hospitals. The hospitals are on different sites but function and are staffed as one unit. Currently they have over 1,200 beds and the hospitals are embarking on a building programme to construct a paediatric hospital (135 beds) and a psychiatric unit (40 beds). There are 271,062 out-patient attendances annually.

General medicine, surgery, diagnostic radiology, radiotherapy, anaesthetics, paediatrics, psychiatry and rehabilitation are taught.

St. Vincent's Hospital has 650 beds and 191,500 out-patient attendances annually.

Instruction is provided in medicine and tropical medicine, surgery, cardio-thoracic medicine and surgery, endocrinology, clinical pharmacology, surgery, psychiatry, diagnostic radiology, radiotherapy, anaesthetics and pathology.

The St. George Hospital has 537 beds and 120,000 out-patient attendances annually.

Medicine, surgery, obstetrics and gynaecology, psychiatry, anaesthetics and clinical haematology are taught.

Sutherland, Canterbury, Bankstown and Lewisham Hospitals are four associated teaching hospitals and are linked with the principal hospitals (above) for residential teaching and training.

The Royal Hospital for Women has 240 beds and 41,000 out-patient attendances annually.

It is the headquarters for the teaching of obstetrics and gynaecology.

Callan Park.—Some instruction in psychiatry is given at this hospital.

DESCRIPTIONS OF SUBJECTS

SCHOOL OF PHYSICS

1.001 Physics I

Aims and nature of physics and the study of motion of particles under the influence of mechanical, electrical, magnetic and gravitational forces. Concepts of force, inertial mass, energy, momentum, charge, potential, fields. Application of the conservation principles to solution of problems involving charge, energy and momentum. Electrical circuit theory, application of Kirchhoff's Laws to AC and DC circuits. Uniform circular motion, Kepler's Laws and Rotational mechanics.

The application of wave and particle theories in physics. A review of the atomic theory of matter and the structure and properties of atomic nuclei. A molecular approach to energy transfer, kinetic theory, gas laws and calorimetry. The wave theories of physics, transfer of energy by waves, properties of waves. Application of wave theories to optical and acoustical phenomena such as interference, diffraction and polarization. Interaction of radiation with matter, photoelectric effect, Compton effect, spectroscopy. Resolution of the wave—particle paradox by means of wave mechanics and the uncertainty principle.

TEXTBOOK

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

REFERENCE BOOKS

Ference, M., Lemon, H. and Stephenson, R. J. *Analytical Experimental Physics*. Chicago U.P.

Halliday, D. and Resnick, R. *Physics for Students of Science and Engineering*. Vols. I & II. Wiley.

Wiedner, R. T. V. and Sells, R. L. *Elementary Classical Physics*. Vols. I & II. Allyn & Bacon.

1.011 Higher Physics I

Kinematics—Non-uniformly accelerated systems. Centripetal acceleration. Laws of motion. Momentum. Impulse. Potential and kinetic energy. Power. Conditions of equilibrium. Elasticity. Young's bulk and shear moduli. Poisson's ratio. Strain energy. Hydrodynamics. Bernoulli's equation. Motion in resistive medium. Moments of inertia. Rotational dynamics. Simple harmonic motion. Pendulums. Motion about free axis. Progressive and stationary waves. Energy current. Superposition of waves. Doppler effect. Resonance. Huygen's principle. Reflection, refraction, interference and diffraction of waves. Electromagnetic spectrum. Polarization.

Electrostatics—Gauss' theorem. Electric intensity. Capacitance. Electromagnetism. Biot-Savart and Ampere's circuital laws. Force on moving

charge and on conductor. Torque on coil. D.C. instruments. Electro-magnetic induction. Faraday's and Lenz's laws. Self and mutual inductance. D.C. circuits. Kirchoff's rules and Thevenin's theorem. Growth and decay of current. A.C. circuits. Resonance. Diode. Triode. Amplifiers and oscillators. Electronic measuring instruments.

TEXTBOOKS

- Halliday, D. and Resnick, R. *Physics for Students of Science and Engineering*. Vols. I and II, or combined volume. Wiley, 1960.
Russell, G. J. and Mann, K. *Alternating Current Circuit Theory*. N.S.W. Univ. Press.
Spiegel, M. R. *Theory and Problems of Theoretical Mechanics*. Schaum.

REFERENCE BOOKS

- Brophy, J. J. *Basic Electronics for Scientists*. McGraw-Hill. Paperback.
Feynman, R. P., Leighton, R. B. and Sands, M. *The Feynman Lectures on Physics*. Vols. I and II. Addison-Wesley.
Tomboulia, D. H. *Electric and Magnetic Fields*. Harcourt, Brace & World, N.Y., 1965.

SCHOOL OF CHEMISTRY

2.011 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

- Aylward, G. H. and Findlay, T. J. V. *SI Chemical Data*. Wiley, Sydney, 1971.
Chemistry I—Laboratory Manual. Univ. of N.S.W., 1974.
Kneen, W. R., Rogers, M. J. W. and Simpson, P. *Chemistry—Facts, Patterns and Principles*. Addison-Wesley, London, 1972.
Schaum Outline Series. *Theory and Problems of College Chemistry*. SI (metric) ed. McGraw-Hill.

REFERENCE BOOKS

- Barrow, G. M., Kenney, M. E., Lassila, J. D., Litle, R. L. and Thompson, W. E. *Understanding Chemistry*. Benjamin, N.Y., 1969.
Brown, G. I. *A New Guide to Modern Valency Theory*. Longmans, 1967.
Eastwood, F. W., Swan, J. M. and Yonatt, J. B. *Organic Chemistry. A First University Course in Twelve Programs*. Science Press, 1967.
Gray, H. B. and Haight, G. P. *Basic Principles of Chemistry*. Benjamin, 1967.
Pauling, L. *College Chemistry*. 3rd ed. Freeman, 1964.
Runquist, O., Cresswell, C. J. and Head, J. T. *Chemical Principles. A Programmed Text*. Burgess, 1968.
Sisler, H. H., Van der Werf, C. A. and Davidson, A. W. *College Chemistry*. 3rd ed. Collier-Macmillan, 1967.
Vogel, A. I. *Macro and Semimicro Qualitative Analysis*. 4th ed. Longmans, 1954.

SCHOOL OF 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

There is no set text for this course, but students are advised to obtain, as a general reference, an introductory text such as one of the following:

CRM Books. *Psychology Today*. 1st ed., 1970 or 2nd ed., 1972.
Dember, W. N. and Jenkins, J. J. *General Psychology*. Prentice-Hall, N.J., 1970.

Morgan, C. T. and King, R. A. *Introduction to Psychology*. 4th ed. McGraw-Hill, N.Y., 1971.

The following is recommended as an additional text for intending honours students:

Hebb, D. O. *Textbook of Psychology*. 3rd ed. Saunders, London, 1972.

REFERENCE BOOKS

Allport, G. W. *Pattern and Growth in Personality*. Holt, 1961.

Allport, G. W. *Personality*. Holt, 1937.

Anastasi, A. *Individual Differences*. Wiley, 1965.

Beech, H. R. *Changing Man's Behaviour*. Penguin, 1969.

Coopersmith, S. *Frontiers of Psychological Research*. Readings from Scientific American, Freeman, 1964.

Cronbach, L. J. *Essentials of Psychological Testing*. 2nd ed., 1960, or 3rd ed., 1970. Harper & Row.

Deese, J. *Psycholinguistics*. Allyn & Bacon, 1970.

Lazarus, R. S. *Personality*. 2nd ed. Prentice-Hall, 1971.

McGaugh, J. L., Weinberger, N. M. and Whalen, R. E. *Psychobiology: The Biological Bases of Behavior*. Readings from Scientific American, Freeman, 1966.

McKinney, F. *Understanding Personality: Cases in Counselling*. Houghton, 1965.

Reynolds, G. *Primer of Operant Conditioning*. Scott, Foresman, 1968.

Vernon, P. E. *Personality Assessment: A Critical Survey*. Methuen, 1964.

Vernon, P. E. *Personality Tests and Assessments*. Methuen, 1953.

Walker, E. L. *Conditioning and Instrumental Learning*. Brooks/Cole, 1967.

Part B: Practical

TEXTBOOK

Lumsden, J. *Elementary Statistical Method*. Univ. of W.A. Press, 1969.

12.131 Introductory Psychology

Designed to provide medical students with a basic understanding of the psychological make-up of patients as persons. The psychological processes

of learning, motivation and information processing, the nature of individual differences, and the social forces shaping patients' behaviour. The psychological consequences of illness for the patient. The professional psychologist's special skills which may be drawn on by the medical practitioner.

REFERENCE BOOKS

- Argyle, M. *The Psychology of Interpersonal Behaviour*. Pelican.
 Beech, H. R. *Changing Man's Behaviour*. Pelican, 1969.
 Foss, B. M. ed. *New Horizons in Psychology*. Pelican, 1966.
 Hilgard, E. R. *The Experience of Hypnosis*. Harcourt & Brace, 1968.
 Meares, A. *The Medical Interview*. Charles Thomas, 1957.
 Nash, J. *Developmental Psychology*. Prentice-Hall, 1970.
 Oswald, I. *Sleep*. 2nd ed. Penguin, 1970.
 Tart, C. T. ed. *Altered States of Consciousness*. Wiley, 1969.

FACULTY OF BIOLOGICAL SCIENCES

17.011 Human Biology

Mankind evolving—primate evolution; background of early man.

Evolution of technological man—biological problems associated with communication and tool-making; development of man as a hunting predator.

Development of utilization of natural resources—development of man as a pastoralist and farmer; animal and plant domestication.

Evolution of urban man, culture, society—reproductive biology and genetics of man; population growth, fluctuation, control; natural history of disease, background of medical and industrial microbiology.

Effects of modern society—biology of social stress; effect of society in contemporary environments, planning and control.

TEXTBOOKS

- Abercrombie, M. et al. *A Dictionary of Biology*. Penguin, 1967.
 Boughay, A. S. *Man and the Environment*. Macmillan, 1971.
 Clarke, C. A. *Human Genetics and Medicine*. Arnold, 1970.

REFERENCE BOOKS

- Baker, H. B. *Plants and Civilisation*. Wadsworth, 1970.
 Bates, M. *Man in Nature*. Prentice-Hall, 1964.
 Carter, C. O. *Human Heredity*. Penguin, 1962.
 Ehrlich, P. A. and Ehrlich, A. H. *Population, Resources, Environment*. Freeman, 1972.
 Jorgensen, J. G. ed. *Biology and Culture in Modern Perspective*. Freeman, 1972.
 Mulvaney, D. J. and Golson, G. eds. *Aboriginal Man and Environment in Australia*. A.N.U., 1971.
 Nix, H. A. ed. *The City as a Life System*. 1973.
 Thomas, W. L. ed. *Man's Role in Changing the Face of the Earth*. Uni of Chicago Press, 1956.
 Watt, K. F. *Principles of Environmental Science*. McGraw-Hill, 1973.
 Weiner, J. S. *Man's Natural History*. Weidenfield and Nicholson, 1971.
 Young, J. A. *An Introduction to the Study of Man*. Clarendon, 1971.

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.

SCHOOL OF BIOCHEMISTRY

41.121 Biochemistry

Is aimed at preparing the preclinical student for his later clinical studies. It is seen as part of the overall course which by the end of third year, together with Anatomy and Physiology, gives the student a background of human biology on which to build his later studies of human disease and the practice of medicine and surgery. The principal topics to be covered are as follows:

Physical and chemical properties and functional roles of the principal biological constituents of man. Enzymology, energetics, metabolism of principal cell constituents in the organs and tissues of man, multicellular organization, metabolic and hormonal regulation and whole body metabolism. The biochemistry of body fluids and specialized tissues. Energy storage in man, whole body metabolic economy and nutrition. Practical work to illustrate the lecture course.

TEXTBOOKS

- Bohinski, R. C. *Modern Concepts in Biochemistry*. Allyn & Bacon Inc., 1973. (\$9.50)
Frieden, E. and Lipner, H. *Biochemical Endocrinology of the Vertebrates*. Prentice-Hall, 1971. (\$5.95)
McGilvery, R. W. *Biochemistry: A Functional Approach*. 1st ed. Saunders, 1970. (\$16.50)
Montgomery, R. and Swensen, C. A. *Quantitative Problems in the Biological Sciences*. Freeman, 1969. (\$3.95)

REFERENCE BOOKS

- Bondy, P. K. ed. *Duncan's Diseases of Metabolism*. 6th ed. Saunders, 1969.
Christensen, H. N. *pH and Dissociation. A programmed text*. 2nd ed. Saunders, 1964.

SCHOOL OF MICROBIOLOGY

44.211 Microbiology

Treatment and prevention of human disease caused by microorganisms (bacteria, viruses and fungi) is a major responsibility of the medical practitioner.

The course in Microbiology is designed to provide an understanding of all aspects of interactions between the host and the parasite. The outcome of these interactions determines the nature of a disease process. As a starting point basic structure, growth, physiological activity and genetic

characteristics of bacteria, viruses and fungi are considered. It is then possible to discuss the means by which these microorganisms exist in association with man and his environment, the ways in which they gain access to tissues and produce disease and the nature of their responses to a wide variety of physical, chemical and antibiotic agents which interrupt their normal function.

Understanding microbial behaviour is only half-way to appreciating the nature of a microbial infection, for the animal (and human) body may respond in many ways to microbial invasion and multiplication. These aspects are considered within the context of a general discussion on Immunology in which the basis of cellular and humoral reactions of animals to foreign agents is considered. A background knowledge of this subject is not only important in understanding microbial disease but also in applying its basic principles to treatment and prevention of specific diseases. This course also serves as an introduction to other medical problems in which immunological phenomena are of primary importance, e.g. allergy, auto-immune diseases and organ transplantation.

With the development of specialization in medicine and the increase in the scope of diagnostic services, it is becoming less important for medical students or practitioners to become experienced in the techniques of laboratory diagnosis. Nonetheless, it is essential that they should understand how the clinical microbiologist and the service he offers can assist in diagnosis and treatment of disease. Only a small proportion of microbial infections can be diagnosed clinically while a smaller proportion can be universally treated by a standard procedure; for the rest, the clinical microbiologist must serve as an essential member of the medical team. The results he obtains in the laboratory often establish or confirm a clinical diagnosis: his findings will usually determine the nature of treatment and may be used to judge its success or failure. His counterpart in the public health field is essential in establishing the existence of infectious (transmissible) disease, its epidemiological characteristics and most appropriate means of prevention. It is an important role of the Microbiology course to demonstrate how these services can be used and, more importantly, to understand the significance of laboratory findings in so far as their application to clinical situations is concerned. Without this background it is unlikely that the medical practitioner will be able to offer the full advantages of modern medical practice to his patients.

TEXTBOOKS

- Jawetz, E., Melnick, J. L. and Adelberg, E. A. *Review of Medical Microbiology*. 9th ed. Lange, 1970. (\$7.90)
Weir, D. M. *Immunology for Undergraduates*. 2nd ed. Livingstone, 1971. (\$2.50)

SCHOOL OF ANATOMY

70.111 Human Anatomy

The Anatomy course provides the student with a grounding in and an understanding of the macroscopic structure, microscopic structure and

development of the human body. Function is emphasized in relation to structure throughout the course in an attempt to present the anatomical basis for future understanding of the human body in both health and disease. An important part of the course is the study, in relatively small tutorial groups, of pre-dissected specimens. The information gained is reinforced by concurrent study of radiological anatomy and living anatomy. During tutorial sessions the student is introduced to elements of routine physical examination and uses standard instruments for the examination of the eye, ear, nose and throat. Lectures and laboratory study in the microscopic examination of the basic tissues and organ systems relates function to structure at the microscopic level. Instruction in the development of organ systems is synchronised with relevant gross and microscopic anatomy. A course in functional neuroanatomy is presented in which the macroscopic and microscopic structure of the central and peripheral nervous systems are studied.

Further emphasis is given to the concept of 'structure in relation to function' by a planned and synchronized presentation of both Anatomy and Physiology throughout several areas in the course. It is intended that both the Schools of Anatomy and Physiology will synchronize and where feasible integrate much of their teaching where relevant.

TEXTBOOK

Passmore, R. and Robson, J. S. eds. *A Comparison to Medical Studies*. Vol. 1 (Anatomy, Biochemistry and Physiology). Blackwell Scientific Publications. 1968. (\$15.00)

REFERENCE BOOKS

- Barr, M. L. *The Human Nervous System. An Anatomical Approach*. 1st ed. Harper & Row. (Soft cover \$10.00)
 Gardner, E., Gray, D. J. and O'Rahilly, R. *Anatomy, A Regional Study of Human Structure*. 3rd ed. Saunders. 1969. (\$19.00)
 Leeson, C. R. and Leeson, T. S. *Histology*. Saunders. 1966. (\$10.00)
 Snell, R. S. *Clinical Embryology for Medical Students*. Little, Brown & Co., Boston. (Soft cover \$10.00)

ESSENTIAL EQUIPMENT

Three long white coats exclusively for use in the School of Anatomy.
 Instruments: Two pairs of 5" dissecting forceps.
 One disarticulated half-skeleton. This may be purchased through the School of Anatomy by arrangement.

SCHOOL OF MEDICINE

71.111 Introductory Medicine

The objective of this course is to acquire a level of knowledge and competence in information-gathering skills so as to be able to develop rapport with patients, obtain and record a history, systemically examine patients and understand the correlation of symptoms and normal and abnormal physical signs with patho-physiology. The course consists of:
 a) a lecture course on the campus (4.1 to 4.3); b) tutorials and demon-

strations in the wards at hospital, designed to illustrate the symptomatology of disease, the mode of production of symptoms and the essentials of physical examination.

TEXTBOOKS

Morgan, W. L. Jr. and Engel, G. L. *The Clinical Approach to the Patient*. Saunders, 1969. (\$9.75)

AND

Hunter, D., & Bomford, R. R. *Hutchison's Clinical Methods*. 15th ed. Bailliere Tindall & Cassell, London, 1968. (\$3.60)

OR

Major, R. H. *Physical Diagnosis*. 7th ed. Saunders, 1968. (\$10.50)

AND

Davidson, Sir S. *The Principles and Practice of Medicine*. 10th ed. Livingstone, Edin., 1971. (\$9.05)

OR

Houston, J. C., Joiner, C. L. and Trounce, J. R. *A Short Textbook of Medicine*. 4th ed. E.U.P., 1972. (\$5.95)

71.112 Medicine and Therapeutics

The object of this course is to develop further skill in history taking, physical examination, diagnosis and treatment of disease, so as to be able to understand and state concisely the problem in an individual patient. Equally strong emphasis is placed on the pathologic physiology, the mode of production of symptoms and signs and the manner in which these are modified by therapeutic agents. The clinical clerkship is supplemented by a course of lectures, seminars and tutorials on important topics and attendance at post-mortem examinations. There will be a residency period during which students will be expected to participate as fully as possible in the clinical work of the hospital. The emphasis throughout the course is on insight into the mechanisms of common diseases, their diagnosis and treatment. Students will be expected to have a lively interest in the preventative social, environmental, genetic and personality factors in disease processes.

TEXTBOOKS

Sneddon, I. B. and Church, R. E. *Practical Dermatology*. 2nd ed. Arnold, 1971. (\$6.15)

Harrison, T. R. *Principles of Internal Medicine*. 6th ed. McGraw-Hill, 1968. (\$29.40)

OR

Cecil, R. L. and Loeb, R. F. *Textbook of Medicine*. 13th ed. Saunders, 1971. (\$26.00)

OR

Harvey, A. McG., Hohns, R. J., Owens, A. H. and Ross, R. S. *The Principles and Practice of Medicine*. 18th ed. Appleton, 1972. (\$24.50)

SCHOOL OF PATHOLOGY

Teaching in Pathology begins in Third Year with *General Pathology* dealing with the principles and mechanisms of disease processes, as well as the effects of these processes on the structure and function of tissue. Against this background, *Pathology* in Fourth Year deals with the effects of the main disease processes on the various anatomical effects of the main systems of the body (systemic pathology). In the third term of Fourth Year a short course on Clinical Laboratory Methods is organized by the School of Pathology, with participation by staff from various Schools of the Faculty. For the remainder of the Medical Course, teaching in Pathology is integrated with Medicine, Surgery, Obstetrics and Gynaecology, and Paediatrics. Students should attend autopsy demonstrations totalling forty hours during Fifth and Sixth Years.

72.211 General Pathology

A course in Third Year of 90 hours of lectures, seminars, tutorials on gross pathology, and practical classes on histopathology and experimental pathology. The course covers:

Cell degeneration and necrosis: Acute and chronic inflammation, including the inflammatory response and its causes. *Healing and repair, regeneration, hypertrophy, hyperplasia and metaplasia. Disorders of circulation:* circulatory failure, haemorrhage, shock, thrombosis embolism and infarction. *Neoplasia:* the biology of the neoplastic cell, causes and effects of neoplasia. *Immunopathology:* the principles and disorders of the immune response.

TEXTBOOK

Anderson, W. A. D. *Pathology*. Vols. 1 & 2. 6th ed. Mosby, St. Louis. 1971. (\$27.50—2 vols.)

OR

Cappell, D. F. and Anderson, J. R. *Muir's Textbook of Pathology*. 9th ed. Arnold, 1971. (Approx. \$20)

REFERENCE BOOKS

Curran, R. C. *Colour Atlas of Histopathology*. Tindall & Cassell, 1965.
 Dyke, S. C. ed. *Recent Advances in Clinical Pathology*. Churchill, Series IV, 1964.

Harrison, C. V. *Recent Advances in Pathology*. 6th ed. Churchill, 1966.
 Montgomery, C. L. *Textbook of Pathology*. Vols. 1 & 2. Livingstone, 1965.

Payling Wright, G., & Symmers, W. St. D. *Systemic Pathology*. Vols. 1 & 2. Longmans, 1966.

Fallis, B. D. *Textbook of Pathology*. McGraw-Hill, 1964.

Sandritter, W., & Wartman, W. B. *Color Atlas and Textbook of Tissue and Cellular Pathology*. Year Book. Medicine Publishers, 1966.

Willis, R. A. *Pathology of Tumours*. 4th ed. Butterworths, 1967.

72.111 Pathology

A course of 180 hours in the first three terms of Fourth Year; the course consists of lectures, lecture-demonstrations, seminars, tutorials on gross

pathology and classes on histopathology, as well as demonstrations of specimens from post-mortem examinations.

TEXTBOOK

Anderson, W. A. D. *Pathology*. Vols. 1 & 2. 6th ed. Mosby, St. Louis. 1971. (\$27.50—2 vols.)

OR

Cappell, D. F. and Anderson, J. R. *Muir's Textbook of Pathology*. 9th ed. Arnold, 1971. (Approx. \$20)

REFERENCE BOOKS

Florey, H. ed. *General Pathology*. 4th ed. Lloyd-Luke, 1970.

Humphrey, J. D., & White, R. G. *Immunology for Students of Medicine*. 3rd ed. Blackwell, 1970.

Payling Wright, G. *An Introduction to Pathology*. 3rd ed. Longmans, 1958.

Walter, J. B., & Israel, M. S. *General Pathology*. 2nd ed. Churchill, 1968. 3rd ed., 1970.

Zweifach, S. W., Grant, L., & McCluskey, R. T. *The Inflammatory Process*. Academic, 1965.

72.091 Clinical Laboratory Methods

A course of 25 hours of practical classes in the Third Term of Fourth Year. The course includes:

(1) Estimations of haemoglobin, packed cell volume, erythrocyte and leucocyte counts, reticulocyte count, erythrocyte sedimentation rate. Preparation and examination of blood films in health and haematological disorders. Examination of bone marrow films. (2) Blood grouping and blood transfusion procedures, including the Coombs test. (3) Examination of urine (biochemical, cytological and microbiological), cerebro-spinal fluid, faeces, as well as blood and faeces for parasites. This course is given in Fourth Year Medicine.

TEXTBOOKS

Dacie, J. V. and Lewis, S. M. *Practical Haematology*. 4th ed. Churchill. London, 1968. (\$8.55)

Eastham, R. D. *Biochemical Values in Clinical Medicine*. Wright, Bristol. (\$3.65)

SCHOOL OF PHYSIOLOGY AND PHARMACOLOGY

73.111 Medical Physiology

The course in physiology is designed to give the student an overall understanding of the functioning of the body. The various systems are studied individually with an emphasis on the aspects likely to be of importance to the student in his subsequent studies of disordered function. Stress is also laid on the fundamental principles and on the lines which future development of the subject may follow. The course is primarily in

human and mammalian physiology but important principles are illustrated by study of lower forms where appropriate.

The subject is presented in several ways. Systematic lectures and prescribed reading are designed to give a general coverage of the field. Practical classes are given in which the student can carry out human and animal experiments. These show the experimental and living nature of the subject, and introduce the students to the use of recording and analytical apparatus. With the increasing use of physiological monitoring and investigation in hospitals, the practical work is a valuable part of both the medical and scientific training of the student. Finally, at appropriate stages, clinical demonstrations are given to indicate the relevance of the physiological principles in the understanding of diseased states.

The topics covered include the following:

Blood: Function of blood plasma; development and function of red cells, white cells, and platelets; blood coagulation; blood groups and principles of blood transfusion. *Circulation:* Physical principles of flow of blood; fluid flow in arteries, capillaries, veins, and lymphatic vessels; the arterial and venous pulse; properties of heart muscle; the cardiac cycle; nervous and humoral control of heart and blood vessels; the coronary circulation. *Respiration:* Subdivisions of lung volume; ventilation of the lungs; exchange of gases between alveoli and blood in the lungs; carriage of oxygen and carbon dioxide by the blood; pulmonary circulation and ventilation/perfusion ratios in the lung; pulmonary mechanics; nervous and chemical control of respiration. *Kidney and Body Fluids:* Functional anatomy of the nephron; filtration of plasma at the glomerulus; transport in renal tubules; overall regulation of volume and composition of body fluids. *Gastro-intestinal Tract:* Principles of regulation of food intake; ingestion, digestion, and absorption of food constituents; secretion and motility in the digestive tract; deglutition and vomiting; role of liver in metabolic processes. *Nervous System:* Electrical characteristics of the nerve cell and fibre; conduction in nerve fibres; transmission of nerve impulses; muscular contraction; organization in the spinal cord; sensory perception and organs of special sense; control of posture and movement; functional importance of regions of the brain; higher functions of the nervous system. *Endocrinology and Reproduction:* Nature and action of hormones of thyroid, pituitary, adrenal and parathyroid glands; control of carbohydrate metabolism; actions of the sex hormones; the menstrual cycle; pregnancy; lactation; production of sperm and seminal fluid in the male; central role of anterior pituitary and hypothalamus in control of endocrine glands.

TEXTBOOK

Guyton, A. C. *Textbook of Medical Physiology*. 4th ed. Saunders, 1971. (\$18.50)

73.211 Medical Pharmacology

An extension of the application of physiological principles to the study of drugs. Emphasis is placed on the general principles of drug actions with particular reference to those drugs of clinical importance. Topics

covered include the absorption, distribution, biotransformation and excretion of drugs. This is followed by consideration of the more important classes of drugs including those affecting the autonomic and central nervous systems, the cardiovascular system and diuretics. Methods of screening new compounds for pharmacological activity and the principles of conducting clinical trials are also discussed.

TEXTBOOK

Goth. A. *Medical Pharmacology*. 6th ed. Mosby, 1972. (\$17.50)

SCHOOL OF SURGERY

74.111 Surgery

Extends through Years 4, 5 and 6. Sets out to provide a sound knowledge and understanding of common surgical conditions, with the emphasis on clinical experience rather than didactic teaching. In year 4, there are tutorials in history-taking and the elicitation of physical signs. During Years 5 and 6 students spend periods fully engaged in the clinical activities of general surgical units. They also have clinical experience and tutorial instruction in most of the specialized aspects of surgery, including anaesthesia. Further practical experience is provided, particularly in acute surgery, during the period of associated hospital residency.

TEXTBOOKS

4th, 5th and 6th YEARS

Adams, J. C. *Outline of Fractures, Including Joint Injuries*. 7th ed. Livingstone, Edinburgh, 1972. (\$3.70)

Adams, J. C. *Outline of Orthopaedics*. 7th ed. Churchill Livingstone, Edinburgh, 1971. (\$7.70)

Bailey, H. *Physical Signs in Clinical Surgery*. 14th ed. Wright, Bristol, 1967. (\$14.40 approx.)

And one of the following three:

Bailey & Love, *Short Practice of Surgery*. 15th ed. Edited by Rains & Capper. Lewis, London, 1971. (\$23.00)

Moyer, C. A., Rhoades, J. E., Allen, J. G., & Harkins, H. N. *Surgery—Principles & Practice*. 8th ed. Lippincott, 1969. (\$26.40)

Schwartz, S. *Principles of Surgery*. McGraw-Hill, 1969. (\$18.35)

REFERENCE BOOKS

Ballantyne, A. J., & Michaelson, I. E. *Textbook of the Fundus of the Eye*. 2nd ed. Livingstone, 1970.

Cope, Z. *The Early Diagnosis of the Acute Abdomen*. 13th ed. London U.P., 1968.

Dripps, R. D., Eckenhoff, J. E., & Vandam, L. D. *Introduction to Anaesthesia—The Principles of Safe Practice*. 3rd ed. Saunders, 1967.

Gibbon, J. H. ed. *Surgery of the Chest*. 2nd ed. Saunders, 1969.

Hughes, E. S. R., & Cuthbertson, A. M. *Anorectal Surgery*. Hicks Smith, 1972.

Kinmonth, J. B., Rob. C., & Simeone, F. A. *Vascular Surgery*. Arnold, 1962.

Lloyd-Roberts, G. C. *Orthopaedics in Infancy and Childhood*. 1971.

- London, P. S. *Practical Guide to the Care of the Injured*. Churchill Livingstone, 1967.
- Ludbrook, J. *Aspects of Venous Function in the Lower Limbs*. Thomas, 1966.
- McGregor, I. A. *Fundamental Techniques of Plastic Surgery & Their Surgical Applications*. 4th ed. Livingstone, 1968.
- Monk, G. J. E. *True or False in Orthopaedics—Revision Course for Undergraduates*.
- Pacey, H. *Road Accidents and Medical Aid*. Churchill Livingstone, 1971.
- Reading, P. *Common Diseases of the Ear, Nose, & Throat*. 4th ed. Churchill Livingstone, 1968.
- Rowbotham, G. F. *Acute Injuries of the Head*. 4th ed. Livingstone, 1964.
- Salter, R. B. *Textbook on Disorders & Injuries of the Musculo-skeletal System*. Churchill Livingstone, 1970.
- Smith, R., & Sherlock, S. eds. *Surgery of the Gall Bladder and Bile Ducts*. Butterworths, 1964.
- Stallard, H. B. *Eye Surgery*. 4th ed. Wright, 1965.
- Vaughan, D., Cook, R., & Asbury, T. *General Ophthalmology*. 6th ed. Lange Med. Publications, Los Altos, Calif., 1971. (\$8.40)
- Wyllie, W. D., & Churchill Davidson, H. C. *A Practice of Anaesthesia*. 3rd ed. Lloyd-Luke, 1971.

SCHOOL OF OBSTETRICS AND GYNAECOLOGY

75.111 Obstetrics and Gynaecology

The aim of the course in obstetrics and gynaecology is:

1. To introduce students to the scientific principles of the subject so that they can form a basis for further practical application or post-graduate training.
2. To provide facilities and instructional media to allow students to learn the basic skills in the psychomotor, affective and cognitive domains of obstetrics and gynaecology so that they can manage the common conditions they will see as resident medical officers.

The course is student/patient orientated with maximal emphasis on the student contact with the patient. The curriculum with the stated objectives, the expected student behaviours and the learning strategies covers the main areas in obstetrics and gynaecology with special attention given to emergency conditions. Detailed instruction is given in common gynaecological conditions such as fertility control, abortion, menstrual disorder, pelvic infections and early detection of malignancy.

Students will be afforded the opportunity of undertaking graded responsibility for patient care during the term in obstetrics and gynaecology, which will provide facilities for antenatal care, delivery and postnatal care as well as the handling of gynaecological disorders.

Practical instruction includes participation in the management of a small number of deliveries in order to stimulate interest in the subject and an appreciation of the practical procedures involved, without expecting the attainment of any vocational competence in this field. At the end of the course some experience should have been attained in the examination of

the female organs of reproduction and the abdominal palpation of the gravid uterus.

It is considered essential to master the technique of taking a satisfactory clinical history and some exposure is given to solving clinical problems that may be encountered in general practice.

TEXTBOOK FOR GYNAECOLOGY

Jeffcoate, T. N. A. *Principles of Gynaecology*. 3rd ed. Butterworth, London, 1967. (\$18.50)

REFERENCE BOOKS FOR OBSTETRICS

Donald, I. *Practical Obstetric Problems*. 4th ed. Lloyd-Luke, London, 1969. (\$14.60)

Garrey, M. M., Govan, A. D. T., Hodge, C. H. and Callander, R. *Obstetrics Illustrated*. 2nd reprint. Livingstone, 1969.

SCHOOL OF PAEDIATRICS

76.111 Paediatrics

Normal growth and development are taught during the first term of fourth year, including emotional and physical aspects of development. In fifth year one term is devoted to paediatric medicine and surgery including studies of social aspects of paediatrics, and the prevention of disease and accidents. There is emphasis on clinical clerking both on inpatients and outpatients. Approximately one-quarter of the time is spent in residence. During the sixth year studies in newborn physiology and disease are commenced during the obstetrics term.

TEXTBOOKS

Hutchison, J. H. *Practical Paediatric Problems*. 3rd ed. Lloyd-Luke, 1972. (\$6.45)

OR

Hughes, J. G. *Synopsis of Paediatrics*. 2nd ed. Mosby, 1967.

Nixon, H. H., & O'Donnell, B. *The Essentials of Paediatric Surgery*. 2nd ed. Heinemann, 1966. (\$7.80)

REFERENCE BOOKS

Apley, J. *A Child with Abdominal Pains*. Oxford, Blackwell. 1959.

Bayer, L. M. *Growth Diagnosis*. Chicago U.P., 1959.

Benson, C. D., et al. *Paediatric Surgery*. 2nd ed. 2 vols. Yearbook. M.P.C., 1968. (\$46.20)

Bowlby, J. and Fry, M. *Child Care and Growth of Love*. 2nd ed. Pelican. 1965.

- Crosse, V. M. *The Premature Baby*. 7th ed. Churchill, Livingstone, 1971.
- Gamstrop, I. *Paediatric Neurology*. Appleton-Century-Crofts, N.Y., 1970.
- Illingworth, R. S. *The Development of the Infant and Young Child. Normal and Abnormal*. 4th ed. Livingstone, 1970.
- Jones, P. G. *Clinical Paediatric Surgery*. Ure Smith, Sydney, 1970.
- Jones, R. S., & Owen-Thomas, J. B. *Care of the Critically Ill Child*. Arnold, 1971.
- Krugman, S., & Ward, R. *Infectious Diseases of Children*. 4th ed. Mosby, 1968.
- Lippman, H. S. *Treatment of the Child in Emotional Conflict*. 2nd ed. McGraw-Hill, 1962.
- Morison, J. E. *Foetal and Neonatal Pathology*. 3rd ed. Butterworths, 1970.
- Nelson, W. E. *Nelson Textbook of Paediatrics*. 9th ed. Saunders, 1969.
- Nurcombe, B. *An Outline of Child Psychiatry*. University of New South Wales Students Union Press, Sydney, 1972.
- Oski, F. and Naiman, J. L. *Hematologic Problems in the Newborn*. Saunders, 1972.
- Potter, E. L. *Pathology of the Foetus and Infant*. 2nd ed. 1961.
- Schaffer, A. J. *Diseases of the Newborn*. 3rd ed. Saunders, 1971.
- Scorer, C. G., & Easington, G. H. *Congenital Disorders of the Testis*. 1st ed. Butterworth, 1971.
- Sharrard, W. J. W. *Paediatric Orthopaedics and Fractures*. Blackwell.
- Silverman, W. *Premature Babies*. Saunders, 1960.
- Smith, C. H. *Blood Diseases of Infancy and Childhood*. 2nd ed. Mosby, 1966.
- Smith, D. W. *Recognizable Patterns of Human Malformation*. Saunders, 1970.
- Snell, R. *Clinical Embryology for Medical Students*. Littlebrown.
- Stocks, J. G. *Paediatric Anaesthesia*. Royal Children's Hospital, Melbourne, 1972.

SCHOOL OF PSYCHIATRY

77.111 Psychiatry

A brief introduction to the principles of psychiatry is given in the first term of fourth year.

In the final term of fourth year and the first three terms of fifth year each of four groups of students receives clinical instruction for one term. The main topics include psychiatric examination, mental sub-normality, psychoneuroses, psychopathy, affective disorders, schizophrenia, alcoholism and drug addiction, mental illness associated with brain disease, epilepsy, ageing and the mental disease of the aged, psychotherapy, psychopharmacology, methods of physical treatment, and sociotherapy. Revision in fourth term of sixth year.

A period of residence is provided and visits are arranged to community psychiatric services.

TEXTBOOKS

4th Year

Mersky, H. and Tonge, W. L. *Psychiatric Illness*. Bailliere, Tindall & Cox, London, 1965, pp. 253. (\$5.00)

5th Year

Batchelor, I. R. C. *Henderson and Gillespie's Textbook of Psychiatry*. 10th ed. O.U.P., 1969. (\$6.30)

OR

Solomon, P. and Patch, V. D. *Handbook of Psychiatry*. Lange Medical Publications, 1969, pp. 623. (\$7.35)

REFERENCE BOOKS

Frank, J. D. *Persuasion and Healing*. Johns Hopkins Press, 1961.

Freedman and Kaplan. *Comprehensive Textbook of Psychiatry*. Livingstone, 1967.

Nurcombe, B. *An Outline of Child Psychiatry*. University of New South Wales Students Union Press, Sydney, 1972.

Slater, E. and Roth, M. *Clinical Psychiatry*. 3rd ed. Cassell, 1969.

Schneck, J. M. *A History of Psychiatry*. Thomas, 1960.

SCHOOL OF HUMAN GENETICS

78.111 Medical Statistics and Human Genetics*(i) Human Genetics.*

An elementary course in which the following topics are considered: Genic action, single gene inheritance, multifactorial inheritance, genetics of populations, twin studies, mutations, radiation effects on gene material, environmental modification of genetic expression, selection in relation to genetic constitution, genetic counselling. The lectures will be illustrated by clinical demonstrations.

(ii) Medical Statistics. The course, which is concerned with the collection and interpretation of biological and medical data, introduces the following topics: Sample selection, presentation of data by means of diagrams and descriptive measures, estimates and tests of significance relating to averages, proportions, contingency tables and correlation, and problems of statistical inference in medicine.

REFERENCE BOOKS

Armitage, P. *Statistical Methods in Medical Research*. Blackwell, 1971.

Hill, Sir Austin Bradford. *Principles of Medical Statistics*. 9th ed. Lancet.

Hill, Sir Austin Bradford. *Statistical Methods in Clinical and Preventive Medicine*. Livingstone.

Maxwell, A. E. *Basic Statistics in Behavioural Research*. Penguin, 80146, 1970.

COMMUNITY MEDICINE

79.111 Community Medicine

The basic disciplines of Community Medicine have been limited to 5 areas, Community Medicine; Family Medicine; Health Services Administration; Medicine and Law; Introduction to Epidemiology.

The course is presented throughout 5th Year (4.4 to 5.3). The teaching is divided into three parts; the formal programme in the lecture theatre, the preceptorship attached with family physicians, and the visits to community health resources.

TEXTBOOK

Gordon, D. *The Health of Man in Australian Society*. Univ. of Qld. Press. (In press.) (Roneoed copies of book are in U.N.S.W. Library and on sale at cost price from the Community Medicine Office.)

REFERENCE BOOKS

Cawte, J. *Cruel Poor and Brutal Nations*. U.P. of Hawaii.

Coolican, R. F. E. *Morbidity in an Australian Rural Practice*. Archdall Memorial Monograph No. 9.

Pulsford, R. L. and Cawte, J. *Health in a Developing Country*. Jacaranda Press.

Sax, S. *The Aged in Australian Society*. A. & R.

Sax, S. *Medical Care in the Melting Pot*. A. & R.

DEPARTMENT OF GENERAL STUDIES

Details regarding courses offered by the Department of General Studies may be found in their handbook which is available free of charge.

SCHOLARSHIPS

Tertiary Allowances Scheme

In 1974, no new awards will be offered under the Commonwealth University Scholarship Scheme. Instead a new system of Australian Government Assistance for tertiary students, called the Tertiary Allowances Scheme, will operate. This scheme will apply to students who commence approved courses in 1974 as well as those who commenced their courses earlier.

Means-tested living and other allowances will be available to full-time students enrolled in an approved course who satisfy certain academic and residence requirements, are unbonded and who do not receive assistance in excess of \$350 from other scholarships. *No age limit will apply.*

Students enrolled in the following types of university courses will be eligible for assistance:

- Undergraduate and postgraduate bachelor degree courses
- Postgraduate diplomas
- Combined bachelor degree courses offered by institutions
- Master's qualifying courses

Benefits

Means-tested Living Allowance. The maximum rates of living allowance are \$850 per annum for students living at home and \$1400 per annum for students living away from home.

The maximum rates of living allowance will be paid where the adjusted family income is equal to *or* less than \$5,300 per annum. The adjusted family income is assessed by subtracting from the gross income of both parents business expenses and an amount of \$450 for each dependent child other than the student.

When the adjusted family income exceeds \$5,300 p.a. the amount of living allowance will be reduced by \$2 for every \$10 of income until the family income exceeds \$10,600 per annum. After this level, the living allowance will be reduced by \$3 for every \$10 of income.

A concession may be made where there are other children in the family undertaking tertiary education with scholarship assistance from schemes other than the Tertiary Allowances Scheme of less than \$350 p.a.

Students qualifying for living allowance will also receive the following allowances, where appropriate:

Incidentals Allowance. The Incidentals Allowance of \$100 is designed to help the student meet cost of those fees which have not been abolished—the student representative council, union and sports fees—and other expenses associated with their studies.

Travel Allowance. Students whose home is in the country may be reimbursed the cost of three return trips per year, during vacation time.

Dependant's Allowance. This is made up of allowances of \$8 per week for a dependent spouse and \$4.50 per week for each child.

How to apply: Higher School Certificate students will be able to obtain application forms from their school. Students who do not already hold a scholarship may obtain forms from the Admission Office, or from The Regional Director, New South Wales State Office, Department of Education, Sydney Plaza Building, 59 Goulburn Street, Sydney, N.S.W. 2000 (Telephone 20929).

N.B. Current Commonwealth Scholarship holders will have application forms posted to them. All forms should be returned to the above address as soon as possible.

The Claude H. Vautin Memorial Scholarship

The Trustees of the R.A.A.F. Memorial Appeal Fund have established a scholarship in the University of New South Wales to commemorate the long association of the late Claude H. Vautin with the Air Force Association and as a former Trustee of the R.A.A.F. Memorial Centre Appeal.

- (1) The scholarship shall be known as "The Claude H. Vautin Memorial Scholarship".
- (2) Applicants must be enrolled in the full-time medical course leading to the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of New South Wales; and be the child of a member or former member of the Royal Australian Air Force to be eligible to receive the award. Applicants are asked to state the name and address of the person through whom eligibility is claimed, relationship, rank, unit and details (including areas and duration) of R.A.A.F. service; and if deceased, the date of death.
- (3) The scholarship shall have an annual value of \$250 payable half-yearly in advance; and shall be awarded annually so long as the donor makes provision for that purpose.
- (4) The scholarship shall be awarded for one year but shall be renewable annually for the normal duration of the full-time course, subject to the holder's performance, work and conduct continuing to be satisfactory to the donor.
- (5) The scholarship holder is required to complete a progress report of his work by January 31 each year and to indicate whether he/she is seeking renewal of the award for a further year of full-time study. This report shall be lodged with the Registrar.
- (6) An applicant shall not be rendered ineligible by reason of holding any other scholarship.
- (7) The scholarship shall be awarded by a committee comprising a representative of the Faculty of Medicine, a representative of the Trustees of the R.A.A.F. Memorial Centre and the Registrar.
- (8) Applications on the prescribed forms available from the Registrar should be lodged with the Registrar by April 30.

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 Higher School Certificate Examination results. They may be held only by persons who do not hold another award. Applications must be lodged within seven days of the publication of the award of Commonwealth University Scholarships.

National Heart Foundation of Australia Undergraduate Medical Research Scholarships

The National Heart Foundation offers a number of Vacation Scholarships designed to give selected undergraduates an opportunity to participate during the Summer Recess in research projects, broadly related to cardiovascular function and disease. The scholarships are valued at \$30 per week and are tenable for four to eight weeks during the vacation.

Scholarships are open to University undergraduates enrolled in Faculties of Medicine or Science or other Faculties offering courses in the biological sciences. Applicants must have successfully completed at least two years of the degree course concerned. Application forms normally become available from the Student Employment and Scholarships Unit towards the end of August and close early October.

National Health and Medical Research Council Scholarships

The National Health and Medical Research Council offers a number of scholarships annually to students entering the Bachelor of Science (Medicine) course. The scholarships have a value of \$260-\$400 payable in two equal instalments.

Asthma Foundation of N.S.W. Undergraduate Scholarships

The Asthma Foundation provides a number of scholarships annually to students entering the Bachelor of Science (Medicine) course. The scholarships are valued at a maximum of \$400 per annum.

PRIZES

FIELD	TITLE	VALUE	QUALIFICATIONS
GENERAL	The Wallace Wurth Prize for general proficiency at graduation.	\$200 annually	General proficiency throughout the medical course.
COMMUNITY MEDICINE	Health Commission of New South Wales Prize.	\$50 annually	Awarded for proficiency in 79.111 Community Medicine.
SURGERY	The Graduation Prize for surgery.	\$100 annually	Awarded to the best student in surgery in the sixth year.
ANATOMY	The Prize in Practical Anatomy.	\$30 annually	Awarded to the second year student who most excels in practical anatomy (including Radiological Anatomy).
OBSTETRICS and GYNAECOLOGY	F. J. Browne Memorial Prize for Obstetrics and Gynaecology.	\$50 annually	Awarded to student with highest standing in the final written and practical examinations in obstetrics and gynaecology.
OBSTETRICS and GYNAECOLOGY	The Gordon Lowe Memorial Prize in Clinical Obstetrics and Gynaecology.	\$50 (approx.) annually	Awarded to final year student for general proficiency in the clinical and oral examination in obstetrics and gynaecology.

FIELD	TITLE	VALUE	QUALIFICATIONS
OPHTHALMO- LOGY	The Australian College of Ophthalmologists' prize.	\$50 annually	Awarded to final year student for best essay on a nominated ophthalmological subject.
GENERAL MEDICINE	The Medical Staff Association prize.	\$100 annually	Awarded to final year student for best general proficiency in the clinical years.
MEDICINE	The W. G. Telleson Memorial Prize in Medicine.	At least \$31.50 annually	Awarded for proficiency in 71.111 Introductory Medicine.
PRE-CLINICAL	The Prince of Wales Hospital Ladies' Auxiliary prize.	\$100 annually	Awarded to third year student for general proficiency in the second and third years of the medical course.

STUDENT ACTIVITIES

STUDENT REPRESENTATION ON FACULTY

A three-year trial period of student membership of faculties has been adopted by the University Council.

The resolution provides for one student member for every 500 registered students in a faculty, the minimum number per faculty being three.

Both degree and postgraduate diploma students are to elect the representatives, and where possible the members elected are to include at least one undergraduate and one higher degree or postgraduate diploma student.

Selection of student members will be by direct vote.

THE UNIVERSITY OF NEW SOUTH WALES MEDICAL SOCIETY

The Medical Society is the representative body of the medical students of the University. Its function is to provide amenities and social stimulation and so contribute to giving the student a sense of belonging to the faculty. The official body representing the Society consists of: a president, two vice-presidents, a secretary, a treasurer, and year representatives. The existence of two vice-presidents means that both clinical and pre-clinical groups of students are represented.

Among the social functions held annually are the med. dinner, the annual ball, and for the sake of 1st year students the orientation orgy.

The medsoc shop is a major facility provided by the Society. White coats and instruments may be bought cheaply, and second-hand books are on display. The shop is situated on the top floor of the Wallace Wurth School of Medicine at the back of the Pathology museum.

Other amenities include the production of a quarterly magazine, *Anal Colic*, to which students are asked to contribute in the way of articles, and more importantly in letters to the editor. An annual magazine, *Nungari*, is also produced and sent to medical schools throughout Australia as well as to the National Library in Canberra.

STUDENT SERVICES

THE LIBRARY

The University Library is located on the Upper Campus adjacent to the Chancellery, the Commerce Building and the Arts Building.

The Library's Undergraduate Collection covers the teaching and research interests of the Faculty, and students are expected to read widely and critically from it.

It is recommended that students attend the *Introduction to the Library* which is held at advertised times during Orientation Week and the first week of term. The *Introduction* uses audio-visual aids to describe the physical layout of the undergraduate library and the services available to readers.

Copies of the booklet *Guide to the Library* are available on request.

Students who are interested in a subject approach to information may attend a course which outlines methods of searching for information in libraries. This course runs for eight hours over a period of one week.

Individual assistance for readers with specific library problems is provided by the *Reader Assistance Unit* which is located in the foyer.

The Biomedical Library

The Biomedical Library system, which is an integral part of the University Library, provides library services for the Faculties of Medicine and the Biological Sciences. It is composed of the Central Biomedical Library, which is situated on the 6th floor of the Biological Sciences building, and the libraries in the Teaching Hospitals.

Medical students generally use the Biomedical Library in the second and following years of their courses. Library services for first year medical students are provided by the Main University Library.

Instruction is offered early in the year to second year medical students in the general use of the library, and at appropriate times to senior medical students in the use of medical indexes for research. The facilities of the Biomedical Library are described in pamphlets available at the library desk and in the booklet *Guide to the Library*.

At present because of lack of room for expansion, the Biomedical Library cannot at various times seat all the students who may wish

to study there. Alternative study areas have been provided in schools located in the Biological Sciences and Wallace Wurth Medical Buildings. Details of these alternative study areas are prominently displayed in the Biomedical Library.

THE STUDENTS' UNION

The Students' Union was formed in 1952 as an organization, duly recognized by the University Council, to represent the student body and to provide a central organization for the administration of student activities. In the words of its constitution, "The Union is formed for the purpose of advancing the interests of University men and women, facilitating their general scientific and technical education, and fostering a University spirit among them".

The Union affords a recognized means of communication between the student body and the University authorities, and represents its members in all matters affecting their interests. It aims to promote the cultural, educational and recreational life of the University and to encourage a permanent interest among graduates in the life and progress of the University.

Membership of the Union is compulsory for all registered students of the University and is open to graduates of the University and to members of its academic staff. The annual subscription is \$7.

The Union is governed by a Council consisting of student representatives from the various faculties of the University, representatives of Life Members, overseas students, and of the University and the Sports Association. The Council is elected annually.

THE SPORTS ASSOCIATION

The Sports Association is a student organization within the University, and it caters for a variety of competitive sports for both men and women.

In December 1952 the University Council approved the establishment of the Sports Association which consisted of five clubs. As the University has grown, the Association has expanded, and today includes over thirty clubs.

The controlling body of the Association is the General Committee which consists of a President, Secretary, Treasurer, eight Vice-Presidents and two delegates from each of the affiliated clubs.

Membership of the Association is compulsory for all registered students, and the annual subscription is \$4.

STUDENT CLUBS AND SOCIETIES

Students have the opportunity of joining a wide range of clubs and societies. Affiliated with the Students' Union are the School and Faculty associations, and the numerous religious, social and cultural clubs. There are also many sporting clubs (33) affiliated with the Sports Association.

Clubs and societies seeking to use the name of the University in their title, or seeking University recognition, must submit their constitutions either to the Students' Union or the Sports Association if they wish to be affiliated with either of these bodies, or to the Registrar for approval by the University Council.

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 cafe/teria 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.

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 \$336 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 180 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 \$24 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, 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 and may change in 1974.

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 \$28 per week for board and residence, payable on a session basis, and a registration fee of \$20. Fees may change in 1974. Intending students should write to The Master, Warrane College, Box 123, P.O., Kensington, N.S.W. 2033.

Shalom College

Shalom College, first occupied in 1973, provides accommodation for 86 men and women students. The basic fee for residents is \$28 per week although this may change in 1974. 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, Shalom 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.

STUDENT HEALTH UNIT

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 two secretaries. 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 services 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 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 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 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.

Telephone: 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.

FINANCIAL ASSISTANCE TO STUDENTS

In addition to the Tertiary Allowances Scheme financed by the Australian Government the following forms of assistance are available.

(a) 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 December 31, 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 December 31, the University may require the student to enter into a formal agreement to pay 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 \$100.00. These loans are normally repayable within one month.

3. *Long Term Cash Loans*

An amount of up to \$300.00 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.

(b) Early in 1973 the Australian Government made funds available to the University to provide loans to students in financial difficulty. The loans are to provide for living allowances and other approved expenses associated with attendance at University. Under this scheme allowances are paid approximately monthly during the academic year. Repayment usually commences after twelve months of graduation or upon withdrawal from the course. Students are required to enter into a formal agreement with the University to repay the loan.

From the same source of funds as mentioned in the preceding paragraph students who are in extremely difficult financial circumstances may apply for assistance by way of non-repayable grant. In order to qualify for a grant a student must generally show that the financial difficulty has arisen from misfortune beyond his control.

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 the Australian Government's Tertiary Allowances Scheme, to be introduced in 1974, there is a Commonwealth Aboriginal Study Grant Scheme. Furthermore, the University may assist Aboriginal students with some essential living expenses in exceptional circumstances.

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

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 telephone at the following extensions: Anglican, 2684; Jewish, 3273; Roman Catholic, 2379; Churches of Christ, Methodist and Seventh Day Adventist, 2683.

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. Telephone: 663-0351, ext. 2406.

UNIVERSITY CO-OPERATIVE BOOKSHOP LTD.

Membership is open to all students, on payment of a fee of \$5.00, 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. Students are advised to consult notice boards for details.

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, information 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.

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 TO HAVE THEM	UNNECESSARY
Calendar of dates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
List of academic staff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Course outlines or rules governing course	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Descriptions of subjects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Textbook lists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reference book lists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Requirements for admission	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Admission and enrolment procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Course fees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rules relating to students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Student services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scholarships	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Student activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Examination procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timetables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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? YES NO

Photographs of senior academic and administrative personnel	<input type="checkbox"/>	<input type="checkbox"/>
Prices of textbooks	<input type="checkbox"/>	<input type="checkbox"/>
Names of lecturers listed alongside subject descriptions	<input type="checkbox"/>	<input type="checkbox"/>
Timetables	<input type="checkbox"/>	<input type="checkbox"/>
Map of the Campus	<input type="checkbox"/>	<input type="checkbox"/>
Any other items	<input type="checkbox"/>	<input type="checkbox"/>

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? ☐ ☐
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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? ☐ ☐
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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? ☐ ☐

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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 Miss Marianne Devin, Publications Officer, Room 307, The Chancellery, or post it via the internal mail system. Thank you for your co-operation.

