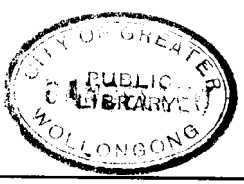
FACULTY OF MEDICINE

1966 HANDBOOK

THE UNIVERSITY OF NEW SOUTH WALES



FACULTY OF MEDICINE

1966 HANDBOOK

THE UNIVERSITY OF NEW SOUTH WALES
P.O. Box 1, Kensington, N.S.W.
Phone: 663-0351

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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.

Initially, the Council created Foundation Chairs in Medicine, Surgery, Anatomy, Physiology and Pathology. Since their appointment the five Foundation Professors have been actively engaged in establishing their Schools. In this work they have received valuable help and advice from the medical schools of the various Australian Universities. In fact, the Medical School is being developed after discussions with authorities on medical education and research all over the world. Three additional Foundation Chairs have been created in Obstetrics and Gynaecology, Paediatrics and Psychiatry and all three new Professors have entered on duty. A senior academic position, in the form of a Visiting Professorship, has also been created in Human Genetics. This is the first of its kind in Australia. Other positions, including a number of conjoint appointments with Prince Henry and Prince of Wales Hospitals, have been filled or are currently being advertised.

At the present day, the basic and clinical sciences of medicine are advancing rapidly and it is certain that the new school will contribute to this advance. The Medical School and its teaching hospitals will provide an organisation for patient-care, teaching and research that conforms with the best modern concepts and standards.

In 1961 the first students in medicine were enrolled. The intensive training in the scientific disciplines of the first year of the course (chemistry, physics, mathematics and general biology) is intended to serve as a useful introduction to, and basis for, the study of the pre-clinical and clinical curriculum. A distinctive feature of the course is concomitant instruction in subjects of a general educational

character, giving medical students an opportunity to gain a general education at University level.

The careers of graduates from the new school will take them into homes in their attendance on the sick; other graduates will become medical teachers, specialists, administrators and public health and medical research workers. The work of the new Medical School will have a widespread influence on community health and hospital services in New South Wales and other States.

CALENDAR OF DATES FOR 1966

JANUARY	
Wednesday 12	5th and 6th year medical students re-enrol.
Monday 17	First term commences — 5th and 6th year medicine.
Monday 24	Last day for acceptance of applications to enrol by new students.
Monday 31	Australia Day — Public Holiday.
FEBRUARY	
Wednesday 9	4th year medical students re-enrol.
Monday 14	First term commences — 4th year medicine.
Monday 21	Enrolment week commences — 1st year students.
Wednesday 23	3rd year medical students re-enrol.
Monday 28	First term commences — 3rd year medicine.
MARCH	
Wednesday 2	2nd year medical students re-enrol.
Monday 7	First term commences — 1st and 2nd year medicine.
Friday 18	Last day for acceptance of enrolments — 1st year students (late fee applies).
Saturday 26	First term ends — 4th, 5th and 6th year medicine.
Thursday 31	Last day for acceptance of enrolments (late fee applies).
APRIL	
Friday 8 to Monday 11	Easter Holidays.
Tuesday 12	Second term commences — 4th, 5th and 6th year medicine.
Monday 25	Anzac Day — Public Holiday.
MAY	
Saturday 21	First term ends — 1st, 2nd and 3rd year medicine.

Tuesday 31	Last day for acceptance of applications for examinations—3rd, 4th, 5th and 6th year medicine.
JUNE	
Monday 13	Queen's Birthday — Public Holiday.
Saturday 18	Second term ends — 4th, 5th and 6th year medicine.
JULY	
Monday 4	Third term commences — 4th, 5th and 6th year medicine.
Tuesday 5	Foundation Day.
AUGUST	
Friday 12	Last day for acceptance of applications for examinations — 1st and 2nd year medicine.
Saturday 13	Second term ends—1st and 2nd year medicine.
Saturday 20	Second term ends — 3rd year medicine.
SEPTEMBER	
Monday 5	Third term commences — 1st and 2nd year medicine.
Saturday 10	Third term ends — 4th, 5th and 6th year medicine.
Monday 26	Fourth term commences — 4th, 5th and 6th year medicine.
OCTOBER	
Monday 3	Six Hour Day — Public Holiday.
NOVEMBER	
Saturday 5	Lectures cease — 1st year medicine.
Saturday 12	Lectures cease — 2nd year medicine. Examinations commence — 1st year medicine.
Wednesday 30	Last day for acceptance of applications for admissions to 2nd year medicine.
DECEMBER	
Saturday 3	Third term ends — 3rd year medicine. Fourth term ends — 4th, 5th and 6th year medicine.

THE ACADEMIC YEAR

In general, the academic year is divided into three terms, the first consisting of eleven weeks, the second of ten, and the third of nine weeks. The first term commences on the first Monday in March. Examinations for students in thirty-week courses commence one week after lectures cease. There is a two-week vacation between first and second terms, and a three-week vacation between second and third terms.

While the structure of the first year of the medical course (common first year) is as shown above, that of the other years of the course differs in many respects from the normal pattern. Term dates in 1966 for the second, third, fourth, fifth and sixth years of the course are as follows:

Second Year (31 weeks):

First Term (11 weeks)	March 7 to May 21
Second Term (10 weeks)	June 6 to August 13
Third Term (9 weeks)	September 5 to November 12

Third Year (33 weeks):

First Term (12 weeks)	February 28 to May 21
Second Term (11 weeks)	June 6 to August 20
Third Term (10 weeks)	September 26 to December 3

Fourth Year (36 weeks):

First Term (6 weeks)	February 14 to March 26
Second Term (10 weeks)	April 12 to June 18
Third Term (10 weeks)	July 4 to September 10
Fourth Term (10 weeks)	September 26 to December 3

Fifth Year (40 weeks) and

Sixth Year (40 weeks):

First Term (10 weeks)	January 17 to March 26
Second Term (10 weeks)	April 12 to June 18
Third Term (10 weeks)	July 4 to September 10
Fourth Term (10 weeks)	September 26 to December 3

FACULTY OF MEDICINE

DEAN — Professor F. F. Rundle

CHAIRMAN — Professor D. L. Wilhelm

Senior Administrative Officer — J. A. Rodgers, BA(Hons.)*N.E.*, AASA, ACIS

SCHOOL OF ANATOMY

Professor of Anatomy and Head of School
M. J. Blunt, MB BS PhD *Lond.*, LMSSA (Lond.)

Associate Professor
C. P. Wendell-Smith, MB BS *Lond.*, DRCOG

Senior Lecturers
G. S. Molyneux, MDS *Syd.*, FDSRCS
B. R. A. O'Brien, BSc PhD *Syd.*

Demonstrator
Mrs. Beverly A. Glucina, BSc *Otago*

SCHOOL OF MEDICINE

Professor of Medicine and Head of School
R. B. Blacket, MD BS *Syd.*, FRACP, MRCP

Associate Professor of Medicine
A. W. Steinbeck, MD BS *Syd.*, PhD *Lond.*, FRACP, MRCP

**Associate Professor of Cardiology*
D. G. Abrahams, MA MD BChir *Cantab.*, MRCP, MRCS, LRCP

**Associate Professor of Diagnostic Radiology*
H. B. L. Williams, MA MD BChir *Cantab.*, MRCP, MRCS, DMRD (Lond.), LMCC, DR (Canada), MCRA

**Associate Professor of Thoracic Medicine*
B. H. Gandevia, MD BS *Melb.*, FRACP

**Associate Professor*
J. W. Lance, MD BS *Syd.*, FRACP, MRCP

*Conjoint appointment with Prince Henry Hospital.

Senior Lecturers
*G. G. Burniston, MB BS *Syd.*
H. J. Colebatch, MB BS *Adel.*, MRACP
*I. P. C. Murray, MD ChB *Glas.*, FRCP (Edin.)

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M. A. Mishkel, BSc (Med.) MB BS *Syd.*, MD *N.S.W.*, MRACP

Lecturer
*G. J. Harrington, MB BS *Syd.*, MCRA

Associate Lecturers
A. E. Davis, MA BSc *Oxon.*, MB BS *Syd.*, MRCP
R. D. H. Stewart, MB ChB *N.Z.*, MRCP

Senior Research Fellow
D. E. L. Wilcken, MB BS *Syd.*, MRCP

Senior Tutors
Margaret McIver, MB BS *Qld.*, MRCP
M. E. Thorpe, MB BS *Syd.*, MRACP

SCHOOL OF OBSTETRICS AND GYNAECOLOGY

Professor of Obstetrics and Gynaecology
H. M. Carey, MB BS MSc DGO *Syd.*, FRACS, FRCS (Edin.), FRCOG

Lecturer
B. G. Wren, MB BS *Syd.*, MRCOG

SCHOOL OF PAEDIATRICS

Professor of Paediatrics and Head of School
J. Beveridge, MB BS *Syd.*, MRACP

Associate Professor of Paediatrics
L. H. Stevens, MB ChB BSc *N.Z.*, PhD *Lond.*, MRACP

Senior Lecturers
†A. C. Bowring, MB BS *Syd.*, FRCS (Edin.), FRCS
D. O. Hughes, MB BS *Syd.*, MRACP

Lecturer
G. Wise, MB BS *Syd.*, MRACP

Research Fellow
D. C. L. Savage, MA MB BChir *Cantab.*, DCH *Glas.*, MRCP

Tutor
J. F. Edmonds, MB BS *Melb.*

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*Conjoint appointment with Prince Henry Hospital.
†Conjoint appointment with Prince of Wales Hospital

SCHOOL OF PATHOLOGY

Professor of Pathology and Head of School
D. L. Wilhelm, MD BS *Adel.*, PhD *Lond.*, MCPA

Associate Professor of Pathology
J. B. W. Halley, MD ChB *St. And.*

**Associate Professor of Haematology*
W. R. Pitney, MD BS *Melb.*, FRACP, MCPA

†*Associate Professor of Bacteriology*
D. D. Smith, MD ChB *Glas.*, MCPath

Senior Lecturers
*R. J. Bartholomew, BSc *Syd.*, PhD *Lond.*, ASTC, FRACI
*A. T. Smith, MD BS *Melb.*, MRACP, MCPA

Lecturers
D. G. Garlick, BSc (Med.) MB BS *Syd.*, PhD *A.N.U.*
R. H. Steele, MB ChB *Edin.*

Research Fellow
I. Salasoo, BSc PhD *N.S.W.*, ASTC, ARACI

SCHOOL OF PHYSIOLOGY

Professor of Physiology and Head of School
P. I. Korner, MD BS MSc *Syd.*

Professor
I. Darian-Smith, MD BS *Adel.*

Senior Lecturers
A. W. T. Edwards, MD BS *Syd.*, MRACP
R. A. B. Holland, MD BS *Syd.*, MRACP
Mary J. Scott, BSc PhD *Lond.*
G. D. Thorburn, BSc (Med.) MB BS *Syd.*

Teaching Fellows
M. J. Rowe, BPharm MSc *Syd.*
B. J. Sessle, MDS BSc *Syd.*

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*Conjoint appointment with Prince Henry Hospital.

†Conjoint appointment with Prince of Wales Hospital

SCHOOL OF PSYCHIATRY

Professor of Psychiatry and Head of School
L. G. Kiloh, MD BS BSc DPM *Lond.*, MRCP, MRCS, LRCP

Senior Lecturers
J. G. Andrews, MB ChB *N.Z.*, DPM *Melb.*
*J. E. Cawte, MD BS *Adel.*, DPM *Melb.*
*A. A. Reid, MB BS *Durh.*, DPM *Lond.*, MRCP

Lecturer
N. McConaghy, MB BS *Brist.*, MD DPM *Melb.*

SCHOOL OF SURGERY

Professor of Surgery and Acting Head of School
J. Ludbrook, BMedSc MB ChM *N.Z.*, FRCS, FRACS

Professor of Surgery
F. F. Rundle, MD BS BSc *Syd.*, FRCS, FRACS, FACS

Associate Professor of Surgery
G. D. Tracy, MB BS *Syd.*, FRCS, FRACS, FACS

Associate Professor of Ophthalmology
F. C. Hollows, MB ChB *N.Z.*, DO *Lond.*, FRCS

**Associate Professor of Anaesthesia*
C. S. Jones, MB ChB *Cape T.*, MS *Minn.*, DA (A.B.A.), FACA, FFARCS

**Associate Professor of Surgery*
J. B. Johnston, MB ChB *Aberd.*, MS *Minn.*, FRCS (Edin.)

**Associate Professor of Surgery*
G. F. Murnaghan, MD ChM *Edin.*, FRCS, FRCS (Edin.)

Senior Lecturers
†G. M. Davidson, MB BS DA *Syd.*, FFARACS
R. G. Elmslie, MB BS *Syd.*, FRACS

Lecturer
‡C. R. Climie, MB ChB *N.Z.*, FFARCS, FFARACS

Senior Tutors
G. M. Collins, BSc MB BS *Syd.*, FRCS
R. H. Farnsworth, MB BS *Syd.*, FRCS (Edin.)
S. W. White, MB BS *Syd.*

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*Conjoint appointment with Prince Henry Hospital.

†Conjoint appointment with Prince of Wales Hospital.

‡Conjoint appointment with Royal Hospital for Women.

HUMAN GENETICS

Visiting Professor of Human Genetics
R. J. Walsh, MB BS *Syd.*, MCPA, FRACP, FAA

Associate Lecturer
E. M. Nicholls, MB BS *Adel.*

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Co-ordinator of Studies in Public Health and Social Medicine
E. S. A. Meyers, MB BS DPH *Syd.*, FRSH

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Administrative Assistant
A. N. Hunter, BA *Durh.*, DipEd *Lond.*

MEDICAL SCHOOL AND HOSPITAL BUILDINGS

The establishment of the medical school of the University of New South Wales necessitates an extensive building programme, and this is well under way. Two buildings to house the medical and biological sciences have been constructed at the eastern end of the University site overlooking the rest of the campus. The two buildings are connected on six floors. An additional floor, the seventh, on the Biological Sciences Building, provides accommodation for a common library. It has 10,000 sq. ft. of floor space, and a substantial grant has been made by the New South Wales Government to furnish and stock it. This library subscribes to over 750 medical journals as well as providing a good coverage of reference texts and monographs in all the subjects of the medical course and the related biological sciences. In addition to the library, the Biological Sciences Building houses General Biology and the Departments of Biochemistry, Botany, Microbiology and Zoology. The second building accommodates the pre-clinical sciences, anatomy, physiology and pathology. Nearby, a separate block of lecture theatres serves the needs of both buildings. The medical school was officially opened by Her Majesty the Queen on March 4, 1963, and named "The Wallace Wurth School of Medicine", after the first Chancellor of the University, who contributed so much to the establishment of the State's second medical school in the University of New South Wales.

The accommodation of the medical school has been planned throughout for a maximum annual intake of 200 students. It is being equipped with the most modern aids to teaching and research.

The medical school of the University of New South Wales is developing its clinical facilities in and around existing hospitals related to the campus. Two general hospitals will be chiefly concerned.

(i) A new University hospital to be built on the site of the Prince of Wales Hospital at Randwick, adjacent to the campus and pre-clinical schools, and

(ii) The Prince Henry Hospital, situated on the coast, five miles away.

The Prince Henry Hospital was formerly a very large infectious diseases hospital of approximately 650 beds. With advances in methods of controlling infections all but 100 beds (to be reserved for infectious diseases) are to be converted to medicine and surgery.

The New South Wales Government is providing the finance necessary for a thorough modernisation programme. Buildings recently completed include psychiatric accommodation (50 beds), four operation theatres, pathology, radiology, central supply, occupational and physiotherapy facilities. A large new Clinical Sciences Building provides student amenities, library, lecture theatre and class room facilities, together with multi-purpose laboratories for students, a medical illustration department, and office and laboratory accommodation for University teaching staff.

With the anticipated clinical entry of 150-200 students per annum, full use of both Prince Henry Hospital and the new Hospital on the Prince of Wales site will be essential. The University Hospital to be built at Randwick will include, in its first stage, modern multi-storey accommodation for 320 patients, together with all auxiliary services, and teaching and research facilities. The new hospital will provide for the acute physically-ill. Existing hospital buildings on the site will be used for those with long-term physical illnesses and the mentally ill. A new Out-patients' Department on the Prince of Wales site services both this hospital and the Prince Henry Hospital. In the same area, a new Children's Hospital will be built. This will include teaching and research facilities for the professor of paediatrics and his staff.

Thus clinical facilities of the new medical school will be provided in an integrated system of hospitals centred on the medical school. Also included in the group will be special hospitals for the teaching of obstetrics and gynaecology; the foundation professor of obstetrics has his headquarters in the Royal Hospital for Women. Many other excellent hospitals, e.g. Lewisham and Bankstown, will be associated with the teaching and training programmes. Students will receive their early clinical training in the Prince of Wales and Prince Henry Hospitals. Later in the course, they will rotate in groups through other teaching hospitals.

A new feature of the Prince Henry, Prince of Wales, and Sick Children's Hospitals has been the appointment of clinical professors in the medical school as heads of the corresponding services in the teaching hospitals. Full-time heads of the various sub-departments have been appointed and large part-time (honorary) staffs will be a feature of the various clinical departments.

There will be instituted, in the teaching hospitals, planned graduate training programmes in medicine, surgery and the other specialities. The young graduate will, for example, be able to apply for a residency training programme in surgery. If accepted he will enter a course extending over several years and in which he will learn, if he satisfies

the requirements for promotion, to master the established techniques of major general surgery, or of one of the specialities.

In the two general teaching hospitals there will be provision for all categories of sick people:

(i) the acutely physically ill,

(ii) the mentally ill,

(iii) those with long-term illnesses, including the aged sick, and

(iv) hostel-type patients with social problems necessitating institutional care.

In the past, patients in categories (ii), (iii) and (iv) have usually been segregated in institutions widely separated from the main teaching hospitals. The latter have largely confined their work to short-term physically ill patients.

The new arrangement in the teaching hospitals of the University of New South Wales will ensure that students, faculty members and research workers will be confronted with the whole task of medicine. The acceptance of patients in categories (ii), (iii) and (iv), with their heavy dependence on rehabilitation services and continuing after-care, will weave the activities of the clinical schools into those of the social and health services in the community outside.

The teaching hospitals will also provide accommodation for intermediate and private patients according to their needs. In general they will be admitted to the same ward units as other patients in their disease category, though, of course, to intermediate or private accommodation in these ward units. They will also be involved in the teaching programme. This new arrrangement will ensure that the students will have opportunities of gaining experience with the widest possible range of patients.

Teaching Hospitals

Hospital	*No. of Beds (approx.)*	*Current Out-patients attendances per annum (approx.)*	*Distance from Pre-clinical Schools on Campus*	*Remarks*
Prince of Wales*	561 (incl. 320-bed block)	55,000	Adjacent	Co-ordinated hospitals integrated with the University.
Prince Henry	650	31,000	5 miles	
Royal for Women	260 (Obstets. 191) (Gynaec. 69)	36,000	3.1 ,,	Hospital for Obstetrics and Gynaecology.
Lewisham	175	89,500	6.3 ,,	General hospitals associated with the University.
Bankstown	293	82,500	10 ,,	
Canterbury	199	90,500	8 ,,	
Sutherland	292	42,000	17 ,,	
Royal South Sydney	109	51,000	2.5 ,,	
Callan Park, including Research Unit	1,691	—	7 ,,	To serve for an important part of psychiatry teaching programme.

*Not including Randwick Chest Hospital (196 beds; 4,800 out-patient attendances annually) and Special Cancer Unit (26 beds; 1,200 out-patients) also on site.

ADMISSIONS INFORMATION

ADMISSIONS OFFICE

The Admissions Office provides intending students (both local and overseas) with information regarding courses, admission requirements, scholarships and enrolment.

Applications for special admission or admission with advanced standing to courses should be made at the Admissions Office. Local residents should apply prior to December 31 of the year preceding that in which admission is sought. Where applicable, documentary evidence should be tendered with the application, and copies should accompany original documents, as this will allow the immediate return of the latter. Students applying from overseas for admission to undergraduate courses and to those post-graduate courses which require completion of formal lecture courses, should lodge their applications prior to October 1 of the year preceding that in which admission is sought.

Applications for admission to undergraduate courses from students who do not satisfy the requirements for admission (see section on "Requirements for Admission"), from students seeking admission with advanced standing, and from students who have had a record of failure at another University, are referred by the Admission 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.

The Admissions Office also receives applications from students who wish to transfer from one course to another, or seek any concession in relation to a course in which they are enrolled. These applications should, wherever possible, be lodged before the commencement of the academic year in which the concession is to apply.

Students wishing to resume their studies after an absence of 12 months or more are required to apply to the Admissions Office for permission to re-enrol. It should be noted that, unless permission has been given to defer their studies for a specified period which will not normally exceed 12 months, students will be required to re-enter the

course under the regulations prevailing at the time of resumption. This condition will apply also to students who have been readmitted to a course after exclusion under the rules restricting students re-enrolling.

The Admissions Office operates an Enrolment Bureau for undergraduate students enrolling in the University for the first time. Details of the procedure to be followed by such students will be published in the preamble to the Leaving Certificate Examination results, or may be obtained on application to the Admissions Office.

The Admissions Office is at present located in the Main Building at Kensington, telephone 663-0351. Office hours are from 9 a.m. to 1 p.m. and 1.45 p.m. to 5 p.m. Monday to Friday, although an evening service is provided during the enrolment period. As from March, 1966, the Office will be located on the upper campus in the Chancellery.

REQUIREMENTS FOR ADMISSION

Introductory Information

Candidates may qualify for entry to undergraduate courses by complying with the matriculation requirements set out below at the Leaving Certificate Examination held by the Department of Education or the Matriculation Examination conducted by the University of Sydney.

The Leaving Certificate Examination is usually held in November, and entries must be lodged with the Department of Education during August.

The Matriculation Examination is held in February, and applications must be lodged at the University of Sydney during the first ten days of January except by candidates who have taken the Leaving Certificate Examination in the previous November. The closing date for such candidates will be announced when the Leaving Certificate results are published.

Matriculation Requirements*

(To operate from January 1, 1961)

1. (i) A candidate for any first degree of the University must satisfy the conditions for admission set out hereunder before entering upon the prescribed course for a degree. Compliance with these conditions does not in itself entitle a student to enter upon a course.

   (ii) A candidate who has satisfactorily met the conditions for admission and has been accepted by the University shall be classed as a "matriculated student" of the University after enrolment.

*With the introduction of the Higher School Certificate Examination in November, 1967, the matriculation requirements will be amended. Details of the amended requirements for admission in 1968 and subsequent years may be secured on application to the Registrar.

(iii) A person who has satisfactorily met the conditions for admission may on the payment of the prescribed matriculation fee be provided with a statement to that effect.

2. (i) For the purpose of matriculation approved subjects* are grouped as follows:

A. English.

B. Latin, Greek, French, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch, Geography, Ancient History, Modern History, Economics.

C. Mathematics I, Mathematics II, Mathematics III.

D. Agriculture, Applied Mathematics, General Mathematics, Biology, Botany, Chemistry, Physics, Geology, Physics and Chemistry, Physiology, Zoology.

E. Accountancy, Art, Descriptive Geometry and Drawing, Music, Theory and Practice of Music.

(ii) In order to satisfy the conditions for admission to undergraduate courses leading to a degree, candidates must pass the New South Wales Leaving Certificate Examination conducted by the Department of Education, or the University of Sydney Matriculation Examination in at least five approved subjects at the one examination; provided that:

I. either—

(a) the five subjects include English and at least one subject from each of Groups B and C, but do not include more than one subject from Group E, except that candidates may qualify for admission to the Faculty of Arts only, by passing in one subject from Group D in lieu of the subject from Group C;

or (b) the five subjects include English, and at least one subject from either Group B or Group C, but do not include more than one subject from Group E, and provided further that the five passes include either one first class Honours and two A's or two Honours of which one is first class;

and:

II. (a) neither Physics nor Chemistry is offered with the combined subject Physics and Chemistry;

(b) neither Botany nor Zoology is offered with Biology;

(c) neither Botany nor Zoology nor Biology is offered with Physiology;

(d) neither Mathematics I nor Mathematics II nor Mathematics III is offered with General Mathematics;

*It should be noted that certain subjects taken for the Leaving Certificate are not approved subjects for admission to the University of New South Wales.

(e) neither Mathematics I nor Mathematics II is offered with Mathematics III;

(f) Mathematics I or Mathematics II may be counted as an approved subject only if the candidate presented himself for examination in both Mathematics I and Mathematics II;

(g) Theory and Practice of Music is accepted only in cases where the pass was obtained at an examination in 1946 or subsequent years;

(h) Ancient History is accepted only in cases where the pass was obtained at an examination held in 1945 or subsequent years; and further, both Modern History and Ancient History may be offered as qualifying subjects at the examinations held at the end of 1951 and subsequent years;

(i) Agriculture is accepted only in cases where the pass was obtained at an examination held in 1945 or subsequent years;

(j) Economics is accepted only in cases where the pass was obtained at an examination held in 1947 or subsequent years;

(k) Descriptive Geometry and Drawing is accepted only in cases where the pass was obtained at an examination held in 1954 or subsequent years.

(iii) Candidates who have satisfactorily met the matriculation requirements of the University of Sydney, but who have not obtained the requisite pass in Mathematics where prescribed for entrance to the University of New South Wales, will be permitted to complete their qualifications to enter the University of New South Wales by passing only in a Mathematics subject from Group C, at a subsequent Leaving Certificate or University of Sydney Matriculation Examination.

ADMISSION OF STUDENTS TO THE MEDICAL COURSE

1. Students are admitted to the medical course of the University of New South Wales provisionally, and until otherwise provided, the conditions upon which they are so admitted and the methods by which students shall be selected for the second year of the medical course are set out in the following rules.

2. Students desiring to proceed to the degrees of Bachelor of Medicine and Bachelor of Surgery must first satisfy the matriculation requirements of the University laid down for admission to the medical course.

3. Students admitted to the first year of the medical course are admitted provisionally only to the medical course. On admission to the second year of the medical course, the enrolment of such students in the Faculty of Medicine will be confirmed subject to their satisfying all other requirements.

4. Admissions to the second year of the medical course will be determined, in accordance with the conditions set out below, by the Admissions Committee of the Faculty of Medicine, hereinafter referred to as the "Committee", consisting of the Dean of the Faculty of Medicine, who shall be the Chairman, the Dean of the Faculty of Science, the Registrar, and three members of the Faculty of Medicine elected by the Faculty.

5. Applicants for admission to the second year shall—

(i) except as otherwise provided, have enrolled in and attended the course of instruction and passed in the examinations in Physics I, Chemistry I, Mathematics I and General Biology in the first year of the medical course; and

(ii) have applied in writing to the Registrar for admission to the second year of the course not later than the thirtieth day of November in the year preceding the year in which they desire to be admitted.

6. In determining applications for admission to the second year of the medical course, the Committee will receive for consideration applications from the following:

(i) applicants who have qualified either as full-time or part-time students at their first attempt in the final examinations of the subjects of the first year of the medical course;

(ii) applicants who have qualified in the final examinations of the first year of the medical course, but not at their first attempt;

(iii) applicants who have otherwise qualified in all subjects of the first year of the medical course, or have completed and passed examinations in a course of study deemed by the Professorial Board to be equivalent to the first year of the medical course.

7. The Committee may require any applicant for admission to the second year of the medical course to attend before them to be interviewed.

8. The Committee, in determining the order of admission to the second year of the medical course, shall take into account—

(i) the mark gained by each applicant in each subject of the first year of the medical course; for this purpose such mark

shall be a mark determined by converting the actual marks awarded to the applicant to a standard score in such manner as may from time to time be followed by the Committee;

(ii) any other factors deemed by the Committee to be relevant to the academic performance of the applicant.

9. The Committee may admit to any portion of the medical course at their discretion students who do not intend to proceed to a degree in the Faculty, but such students shall not thereby acquire any right to admission to any other portion of the course, and shall have no standing in the course or Faculty.

10. The Council of the University reserves the right to revoke or alter any of the foregoing rules at any time.

ENROLMENT PROCEDURE

ENROLMENT PROCEDURE FOR FIRST YEAR STUDENTS — 1966

Students wishing to enrol in the medical course must have satisfied the matriculation requirements of the University. In general, admission to the course is competitive on the basis of results obtained at the New South Wales qualifying examinations.

Application for enrolment in 1966 must, wherever possible, be made in person to the Student Enrolment Bureau, Room 228, Second Floor, School of Electrical Engineering, Kensington, as soon as the results of the Leaving Certificate are available, but in any event not later than *January 24, 1966.*

Country residents who wish to enrol in the course in 1966, but find it impracticable to lodge their applications by the required date, should write to the Registrar, P.O. Box 1, Kensington, for a form on which to make their preliminary application. This form must be returned at the latest by *January 24, 1966.*

Applicants seeking to enrol in the medical course will be notified by the University whether their applications have been successful or not. Successful applicants should then report with the letter of acceptance to the Enrolment Bureau at the time stated in this letter. Students who fail to enrol at the prescribed time will incur a late fee of $5 (£2/10/-). In addition, all fees must be paid at the time of enrolment.

Complete details of enrolment procedure are set out in the booklet *Advice to New Students on Enrolment Procedure.* Students should also obtain a copy of the booklet *Handbook for New Students.*

Owing to the number of students seeking to enrol in medical courses in relation to the facilities available, admission to the second year of the medical course will be competitive. Accordingly, first year students are provisionally enrolled in Medicine, confirmation of standing in the course depending on completion of the first year and being selected for admission to the second. Students passing in the examinations at the end of the first year, but at too low a standard to qualify for admission to the second year of the medical course, may receive credit for all subjects towards the degree of Bachelor of Science and, for Physics I, Chemistry I and Mathematics I, towards a degree in Engineering or Applied Science.

Students should note that it is therefore necessary to apply for admission to second year of the medical course. This application should be lodged with the Registrar not later than November 30 of the year in which the student expects to complete the requirements of the first year.

ENROLMENT PROCEDURE FOR 2nd, 3rd, 4th, 5th and 6th YEAR MEDICAL STUDENTS

General

Complete details on enrolment procedure (including the payment of fees) are set out in the booklet *Enrolment Procedure 1966 for Students Re-enrolling*. Students should also obtain a copy of the booklet entitled *General Rules and Information for Students*

To complete their enrolment, students are required to attend the appropriate enrolment centre on the prescribed date. Failure to do so will incur a late fee of $5 (£2/10/-).

Fees should be paid at the time of enrolment, but they may be paid up to Friday, March 18, 1966, without a late fee being incurred. Students who pay fees after this date and before March 31 will incur a late fee of $10 (£5). Fees will not be accepted after March 31 without the express approval of the Registrar, which will be given in exceptional circumstances only. In cases where such approval is granted, a late fee of $20 (£10) is payable.

2nd Year Students

Students whose applications for admission to the second year of the medical course have been successful will be officially advised by the University.

Lectures commence on March 7, 1966.

To complete their enrolment, students are required to attend in Room 155, Main Building, Kensington, on Wednesday, March 2, 1966, from 2 p.m. to 4 p.m.

3rd Year Students

The names of students eligible to proceed to third year (i.e. to the fourth term of pre-clinical studies) will be posted on the Faculty notice board early in January. Students who are not eligible to proceed to third year will be notified in writing by the Registrar.

Lectures commence on Monday, February 28, 1966.

To complete their enrolment, students are required to attend in Room 155, Main Building, Kensington, on Wednesday, February 23, 1966, from 2 p.m. to 4 p.m.

4th Year Students

Lectures in fourth year medicine commence on Monday, February 14, 1966.

To complete their enrolment students are required to attend in Room 155, Main Building, Kensington, on Wednesday, February 9, 1966, from 2 p.m. to 4 p.m.

5th and 6th Year Students

Lectures in fifth and sixth year medicine commence on Monday, January 17, 1966.

To complete their enrolment students are required to attend in Room 155, Main Building, Kensington, on Wednesday, January 12, 1966, from 2 p.m. to 4 p.m.

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 in the space at the top right-hand corner 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 by mail to their term address as soon as possible after fee payment. In the meantime, the fees receipt form should be carried during attendance at the University and shown on request. If the Union Card is not received within three weeks of fee payment the University Union should be notified.

FEES

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

COURSE FEES

Medical Course (M.B., B.S.)

First Year ..... $288 (£144), or three payments of $96 (£48).
Second Year ..... $288 (£144), or three payments of $96 (£48).
Third Year ..... $288 (£144), or three payments of $96 (£48).
Fourth Year ..... $288 (£144), or three payments of $96 (£48).
Fifth Year ..... $288 (£144), or three payments of $96 (£48).
Sixth Year ..... $288 (£144), or three payments of $96 (£48).

Note: The fees payable in the clinical (4th, 5th and 6th) years of the medical course include amounts subsequently paid by the University to the teaching hospitals.

Bachelor of Science (Medicine) (B.Sc.(Med.)) Course

One Year Course: $288 (£144), or three payments of $96 (£48).

OTHER FEES

In addition to the course fees set out above all registered undergraduates will be required to pay—

Matriculation Fee — $6 (£3) — payable at the beginning of first year.

Library Fee — annual fee — $10 (£5).

Student Activities Fees —

University Union* — $12 (£6) — annual subscription.
Sports Association* — $2 (£1) — annual subscription.
Students' Union* — $4 (£2) — annual subscription.
Miscellaneous — $6 (£3) — annual fee.
Total — $24 (£12).

Graduation Fee — $6 (£3) per degree — payable at the completion of the course.

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

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

Biochemistry Kit Hiring Charge — $4 (£2) per kit. Additional charge for breakages and losses in excess of $1 (10/-) may be required.

Chemistry Kit Hiring Charge — $4 (£2) per kit. Additional charge for breakages and losses in excess of $1 (10/-) may be required.

Excursion Fee — $2 (£1) per subject (biology, botany, zoology, entomology).

Anatomy Dissection Manual and Histology Slides deposit — $10 (£5). (Refundable on return in satisfactory condition.)

Pathology Instrument Kit — $10 (£5). (Refundable on return in satisfactory condition.)

Special Examination Fees —

Deferred examination — $4 (£2) for each subject.

Examinations conducted under special circumstances — $6 (£3) for each subject.

Review of examination result — $6 (£3) for each subject.

LATE FEES

First Enrolments

Fees paid on the late enrolment session and before the commencement of term	$5 (£2/10/–)
Fees paid during the 1st and 2nd weeks of term	$10 (£5)
Fees paid after the commencement of the 3rd week of term with the express approval of the Registrar and Head of the School concerned	$20 (£10)

Re-enrolments

Failure to attend enrolment centre during enrolment week	$5 (£2/10/–)
First Payment	
Fees paid between March 21, 1966, and March 31, 1966	$10 (£5)
Fees paid after March 31, where accepted with the express approval of the Registrar	$20 (£10)
Second Payment	
Fees paid between June 20, 1966, and July 1, 1966	$10 (£5)
Fees paid thereafter	$20 (£10)
Third Payment	
Fees paid between September 19, 1966, and September 30, 1966	$10 (£5)
Fees paid thereafter	$20 (£10)
Examinations	
Late lodgement of Application for Admission to Examinations (late applications will be accepted for three weeks only after the prescribed dates)	$4 (£2)

WITHDRAWAL FROM COURSE

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

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

Where a student terminates for acceptable reasons a course of study before half a term has elapsed, one half of the term's fee may be refunded. Where a student terminates a course of study after half a term has elapsed, no refund may be made in respect of that term's fees.

The Library fee is an annual fee and is not refundable where notice of withdrawal is given after the commencement of First Term.

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

University Union — $2 (£1) in respect of each half term.

University of New South Wales Students' Union — where notice is given prior to the end of the fifth week of first term $2 (£1), thereafter no refund.

University of New South Wales Sports Association — where notice is given prior to April 30 a full refund is made, thereafter no refund.

Miscellaneous — where notice is given prior to April 30 $2 (£1), thereafter no refund.

PAYMENT OF FEES

Completion of Enrolment

All students are required to attend the appropriate enrolment centre during the prescribed enrolment period* for authorisation of course programme. Failure to do so will incur a late fee of $5 (£2/10/-).

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

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*The enrolment periods for Sydney students are prescribed annually in the leaflets "Enrolment Procedure for New Students" and "Enrolment Procedure for Students Re-enrolling".

Fees should be paid during the prescribed enrolment period but will be accepted without incurring a late fee up to Friday, March 18, 1966. (For late fees see above.) No student is regarded as having completed an enrolment until fees have been paid. Fees will not be accepted (i.e. enrolment cannot be completed) from new students after the end of the second week of term (i.e. March 18, 1966), 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.

Payment of Fees by Term

Although the structure of the academic year in Medicine differs from that followed in other courses, medical students in common with other students are given the choice of paying fees by the year or in three instalments during the year. The first payment should be made on enrolment at the commencement of the year and the remaining payments on receipt of an account from the University.

The dates by which fee instalments must be paid, if a late fee is to be avoided, are the same for all courses. The final dates are:

1st payment ..... by March 18, 1966
2nd payment ..... by June 17, 1966
3rd payment ..... by September 16, 1966

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 Registrar 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 sought, and must be lodged before the date on which a late fee becomes payable. Normally the maximum extension of time for the payment of fees is until March 31 for fees due in First Term and for one month from the date on which a late fee becomes payable in respect of the second and third payments.

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

Failure to Pay Fees

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

No student is eligible to attend the annual examinations in any subject where any portion of his course fees for the year is outstanding after September 30, 1966.

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

GENERAL RULES

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.

ANNUAL EXAMINATIONS

The annual examinations for medical students takes place as follows: *First Year*: November-December. *Pre-clinical Years*: final examinations in anatomy, physiology and biochemistry at the end of the fifth term, i.e. at the end of the second term of third year; final examination in medical statistics at the end of the second year. *Clinical Years*: final examination in introductory psychology at the end of first term in fourth year. In general, examinations are conducted before the end of the particular terms in which courses are given. Final examinations in sixth year will be held during the last three weeks of fourth term. *General Studies* subjects (second to fifth years) are examined at the end of each year.

Timetables showing time and place at which individal examinations will be held are posted on the central notice boards. Misreading of the timetable will not under any circumstances be accepted as an excuse for failure to attend an examination. Examination results are posted to the term addresses of students. No results will be given by telephone.

Examination results may be reviewed for a fee of $6 (£3) a subject, which is refundable in the event of an error being discovered. Applications for review must be submitted on the appropriate form, together with the necessary fee by the date indicated on the notification of results.

In the assessment of a student's progress in University courses, 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 annual examination results.

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.

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 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.

All medical certificates should be as specific as possible concerning the severity and duration of the complaint and its effect on the student's ability to take the examinations.

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 suffering from a physical disability which puts him at a disadvantage in written examinations may apply to the Registrar for special provision when examinations are taken. The student may be required to support his request with medical evidence.

All students (including students enrolled for a thesis only) must lodge an application for admission to examinations by the prescribed dates which are:

(a) Annual examinations for First and Second Year Medicine— last Friday of Second Term (August 12, 1966).

(b) Annual examinations for Third, Fourth, Fifth and Sixth Year Medicine — May 31, 1966.

The Accountant is authorised to receive application forms during the three weeks immediately following the prescribed closing dates if they are accompanied by a late fee of $4 (£2). Applications forwarded more than three weeks after the closing date will not be accepted except in very exceptional circumstances and with the approval of the Registrar. Where an application is not accepted the student concerned is not eligible to sit for the examination.

Applications lodged prior to the due date will be acknowledged by postcard. Students who do not receive an acknowledgement within ten days of lodging the application should contact the Examinations Branch or the office of the college attended.

As a result of the application of machine methods to the processing of examination results, all students in Sydney, Wollongong and Broken Hill receive a pro-forma application for admission to

examinations listing the subjects for which the student has formally enrolled. The return of this pro-forma duly completed constitutes the application for admission to examinations. Pro-forma applications will be posted to students in 3rd to 6th years of the medical course by the end of May and to students in the first two years by the end of June. Any student who does not receive a pro-forma application must contact the Examinations Branch prior to the date prescribed for the return of applications.

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.

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

Applications for deferred examinations in the first 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.

A student eligible to sit for a deferred examination must lodge with the Accountant an application accompanied by the fee of $4 (£2) per subject, by the date indicated on the notification of results.

APPLICATION FOR ADMISSION TO DEGREE

Applications for admission to a degree of the University must be made on the appropriate form by January 31.

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 will be applied retrospectively from January, 1962.

(i) As from January 1, 1962, 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. A student in the medical course shall show cause why he should be allowed to repeat second year of the course if he has failed more than once to qualify for entry to the third year.

(ii) Notwithstanding the provisions of clause (i), 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

*(iii) 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, one of which must be from Group VII, by the end of his second year of attendance.

No part-time student shall, without showing cause, be permitted to continue a course unless all subjects of the first two stages of his course are completed by the end of his fourth year of attendance and all subjects of the third and fourth stages of his course by the end of his seventh year of attendance.

(iv) 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.

* Rule (iii) in so far as it relates to students in the Faculty of Arts will apply retrospectively as from January 1, 1967.

(v) Any student excluded under any of the clauses (i)-(iii) may apply for re-admission after two academic years and such application shall be considered in the light of any evidence submitted by him.

(vi) A student wishing "to show cause" under these provisions shall do so in writing to the Registrar. Any such application shall be considered 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.

(vii) The Vice-Chancellor may on the recommendation of the Professorial Board 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 Board and the Vice-Chancellor, the student's lack of fitness to pursue the course nominated.

(viii) A student who has failed, under the provisions of Clause (vi) of these rules, to show cause acceptable to the Professorial Board 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.

(ix) A student may appeal to an Appeals Committee constituted by Council for this purpose, against his exclusion by the Professorial Board from any subject or course.

STUDENT SERVICES

THE LIBRARY

The University library is located on the upper campus and adjacent to the Chancellery and the Arts and Commerce buildings.

The Bio-Medical Library is located on the sixth floor of the School of Biological Sciences. There is also a branch of this library at Prince Henry Hospital.

Staff and students must register with the library or libraries from which they intend to borrow books. Students will be registered on production of evidence that they have been enrolled for University courses, e.g. the University Union Card.

STUDENT ACCOMMODATION

Residential Colleges

Accommodation for students is provided within the complex of the Residential Colleges of the University which comprise Basser College, Phillip Goldstein Hall, Post-Graduate Hall, and a new college, the Philip Baxter College, which will accept students for the first time in 1966. The College complex houses 500 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 term basis, amount to $18.50 (£9/5/-) per week. Intending students should apply in writing to the Master, Box 24, Post Office, Kensington, N.S.W., from whom further information is available.

Other Accommodation

Students requiring other than Residential College accommodation may make application to the Student Amenities Service where current lists are kept of accommodation available at recognised boarding houses, private homes, and in serviced and unserviced apartments.

THE UNIVERSITY OF NEW SOUTH WALES MEDICAL SOCIETY

An active Medical Society is in existence and membership is open to all undergraduates in medicine. The objects of the Medical Society are:

(*a*) To promote and further a University spirit among its members.

(*b*) To initiate and provide social, educational and cultural activities for its members.

(*c*) To represent its members in all matters affecting their interests and to afford a liaison between members and the University authorities.

(*d*) To produce publications in the furtherance of the above objects.

The Society organises a variety of social functions, including an Annual Ball and Medical Dinner.

SCHOLARSHIPS

Commonwealth Scholarships

Students enrolling in the medical course are eligible to apply for the award of a Commonwealth Scholarship in accordance with the rules laid down under the Commonwealth Scholarship Scheme. Benefits include payment of all tuition fees and other compulsory fees; a living allowance is also payable if the applicant satisfies a means test. The closing date for applications is September 30, in the year immediately preceding that for which the scholarship is desired. Applications for renewal of scholarships must be made before October 31 each year. Full particulars and application forms may be obtained from the Officer-in-Charge, University Branch Office, Department of Education, University Grounds, University of Sydney. (Telephone 68-2911.)

University Scholarships

The University annually awards up to fifteen scholarships tenable in degree courses to students who have matriculated at the Leaving 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 Qualifying and Matriculation 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 Leaving Certificate Examination results. They may be held only by persons who do not hold another award. Applications must be lodged after publication of Leaving Certificate Examination results and after the announcement of the award of Commonwealth Scholarships, but not later than January 31.

National Heart Foundation of Australia Undergraduate Medical Research Scholarships

The National Heart Foundation annually awards one scholarship to a student proceeding to the degree of Bachelor of Science (Medicine). The object of the scholarship is to encourage an interest by medical undergraduates in research related to cardiovascular diseases.

The scholarship is valued at $400 (£200) per annum, but if the scholar is in receipt of a Commonwealth Scholarship living allowance the value will be $260 (£130) per annum. The scholarship is tenable for one year.

In addition to the above scholarships the National Heart Foundation also offers a number of Vacation Scholarships designed to give selected undergraduates an opportunity to participate during the Long Vacation in research projects, broadly related to cardiovascular function and disease. The scholarships are valued at $20 (£10) per week and are tenable for four to eight weeks during the vacation.

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 (£130-£200) and may be held concurrently with a Commonwealth Scholarship.

The Asthma Foundation of New South Wales

The Board of the Foundation has made available the sum of $1500 (£750) for undergraduate laboratory research into asthma and allied subjects. Eligibility is restricted to University undergraduates currently enrolled in Faculties of Medicine or Science who have successfully completed at least two years of the course concerned. Selected undergraduates will participate in research projects during the long vacation.

PRIZES

FIELD	TITLE	VALUE	QUALIFICATIONS
GENERAL	The Wallace Wurth Prize for general proficiency at graduation.	$200 (£100) annually	Awarded to the final year student who at graduation has shown the highest general proficiency throughout the course.
ALCOHOLISM	Foundation for research and treatment of alcoholism (Frata) prize.	$100 (£50) annually	Open to all students proceeding to an undergraduate degree in medicine and to graduates of not more than five years' standing in the University or its teaching hospitals. Awarded for the best essay dealing with any clinical or scientific aspect of alcoholism.
PUBLIC HEALTH	Department of Public Health prize.	$50 (£25) annually	Awarded to the best student in Public Health and Social Medicine in the fifth year.
SURGERY	The Frank Gerbode Graduation Prize for surgery.	$100 (£50) annually	Awarded to the best student in surgery in the sixth year.
GENERAL MEDICINE	The Australian College of General Practitioners Prize for a case history study.	$21 (£10/10/-) annually	Fifth or sixth year student submitting best case history relating disease to social factors and environment.
GENERAL	The John George Hunter Prize for medical students.	$100 (£50) in 1968 and thence every 3 years	Open to all students proceeding to an undergraduate degree and awarded for 1968 for the best essay, not exceeding 5000 words on "The significance of recurrent or chronic infection of the urinary tract." Entries to be submitted before graduation and prior to May 1, 1968.

FIELD	TITLE	VALUE	QUALIFICATIONS
RESPIRATORY DISEASE	The Darcy Cowan Prize.	$200 (£100) in 1965 and thence every 2nd year.	Open to the person who in the opinion of the National Tuberculosis and Chest Association has made an outstanding contribution on any subject relating to respiratory disease, completed within the preceding five years.
MEDICINE	The W. G. Tellesson Memorial Prize in Medicine.	At least $31.50 (£15/15/-) annually.	Awarded to the best fourth year student in the written and clinical examinations in medicine.
MEDICINE	The Aviation Medical Society of Australia.	$100 (£50)	Awarded to the writer of the best essay on "The effects on human performance of altitudes up to 12,000 feet." The essay of not more than 5000 words must be completed by March 1, 1966.

MEDICAL COURSE (M.B., B.S.)

The design of the medical course accords fully with the recommendations of the General Medical Council (1957) and extends over six years of full-time study leading to the degrees of Bachelor of Medicine (M.B.) and Bachelor of Surgery (B.S.). These degrees may be awarded at first or second class honours, or at pass level. The first year of the course was implemented in 1961 and the final year of the course will be offered for the first time in 1966.

The course consists of one year of pre-medical studies, followed by two years of 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.

The First (Pre-medical) Year

Pre-medical students will take the common first year science course of the University in the compulsory subjects of Physics I, Chemistry I and Mathematics I, and, together with other students in the Faculties of Science and Applied Science, will take General Biology as their fourth subject.

Students are referred to the regulations governing the admission of students to the second year of the course, set out on page 22.

The syllabus for first year is given in the following outline:

FIRST YEAR

		Hours per week for 30 Weeks		
		Lec.		Lab./Tut.
1.001	Physics I	3	—	3
2.001	Chemistry I	3	—	3
10.001	Mathematics I	4	—	2
17.001	General Biology	2	—	4
		12	—	12

The Pre-clinical Years (Second and Third Years)

During the first five terms courses will be provided in anatomy, physiology, biochemistry and medical statistics. During the pre-clinical years students will also complete courses in the humanities and social sciences.

Final examinations in anatomy, physiology and biochemistry will be held at the end of the fifth term of the pre-clinical course, i.e. at the end of the second term of third year. The final examination in medical statistics will be held at the end of the second year. Final examinations in general studies subjects will be held during the examination period in November-December each year.

However, before a student is allowed to progress to the third year (i.e. to the fourth term of pre-clinical studies) he must have a satisfactory record in the class work and tests conducted during the second year. The names of students eligible to proceed to third year will be posted on the Faculty Notice Board early in January. Students who are not eligible to proceed to third year will be notified in writing by the Registrar. A student who has failed more than once to qualify for entry to third year is required to show cause why he should be allowed to re-enrol in the medical course (see "Restriction upon Students Re-enrolling" earlier in the Handbook).

The syllabus for the pre-clinical course is as follows:

SECOND YEAR (3 TERMS) AND THIRD YEAR (TERMS 1 AND 2)

		Hours per Week for 31 Weeks		
		Term 1 (11 weeks) Lec. Tut. D.R.	Term 2 (10 weeks) Lec. Tut. D.R.	Term 3 (10 weeks) Lec. Tut.
10.391	Statistics	2 — 0 — 0	2 — 0 — 0	1 — 0
17.121	Biochemistry	1 — 0 — 0	2 — 3 — 0	3 — 8
50.011H 57.011H	English *or* An Introduction to Modern Drama	2 — 0 — 0	2 — 0 — 0	2 — 0
70.111	Human Anatomy	5 — 3 —15†	4 — 3½— 9†	2 — 0
73.111	Medical Physiology	0 — 0 — 0	2 — 1 — 0	2 —11
		10 — 3 —15	12 — 7½— 9	10 —19

† This period includes dissection room instruction, demonstrations and tutorial classes in topographical, living and radiological anatomy.

		Hours per Week for 23 Weeks					
		Term 4 (12 weeks)			Term 5 (11 weeks)		
17.121	Biochemistry	2	—	7	1	—	1
70.111	Human Anatomy	4*	—	5*	2	—	9†
73.111	Medical Physiology	3	—	9	2‡	—	1
	30-hour General Studies Elective	1	—	0	1	—	0
		10	—	21	6	—	11

* These hours apply for the first 8 weeks only. In the last 4 weeks a one-hour lecture only will be conducted.

† These 9 hours are devoted to instruction in the dissecting room.

‡ These lectures will be conducted in the first 5 weeks of term only.

Third Year, Term 3

In the sixth and final term of the pre-clinical course instruction will be commenced in microbiology, human genetics, pathology, obstetrics and clinical medicine. A course in introductory psychology will also be given and practical instruction in clinical laboratory methods will be commenced. This term will thus be used as a bridge between the clinical and pre-clinical subjects. The examination in 12.131 Introductory Psychology will be held at the end of first term in fourth year.

THIRD YEAR, TERM 3

		Hours per Week for 10 Weeks†		
		Lec.		Lab./Tut.
12.131	Introductory Psychology	3	—	2
17.221	Microbiology*	2	—	4
71.111	Introductory Medicine	2	—	0
72.111	Pathology**	3	—	5
75.011	Introductory Obstetrics§	1	—	0
78.111	Human Genetics	2	—	2
72.091	Clinical Laboratory Methods	0	—	2
	30-hour General Studies Elective (continued)‡	1	—	0
		14	—	15

* 20 combined lecture and laboratory sessions of 3 hours each.

** Includes general and experimental pathology.

† Term ends four weeks after other courses.

‡ 7 weeks only.

§ This course consists of five one-hour lecture demonstrations. Students will be required to spend one week in residence at an appropriate hospital.

The Clinical Years (Fourth, Fifth and Sixth Years)

The clinical curriculum includes instruction and examinations in medicine, surgery, obstetrics and gynaecology, paediatrics, psychiatry, pathology, pharmacology, microbiology, human genetics, public health and social medicine, forensic medicine and the legal and ethical obligations of registered medical practitioners.

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 term of fourth year, which is of six weeks' duration only, 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, time is available for electives in each of the clinical years.

FOURTH YEAR

	Hours per term							
	Term 1 (6 weeks)		Term 2 (10 weeks)		Term 3 (10 weeks)		Term 4 (10 weeks)	
	Lec.	Other*	Lec.	Other*	Lec.	Other*	Lec.	Other*
12.131 Introductory Psychology	30	0	0	0	0	0	0	0
17.221 Microbiology	0	0	10	20	0	20	0	0
71.111 Introductory Medicine	0	20	0	0	0	0	0	0
71.112 Medicine and Therapeutics	18	36	10	40	0	40	50	100
72.091 Clinical Laboratory Methods	0	24	0	0	0	20	0	0
72.111 Pathology	6	6	20	50	20	44	0	10
73.211 Medical Pharmacology	0	0	20	40	20	30	0	0
74.111 Surgery	12	0	10	20	10	20	10	50
76.111 Paediatrics	4	12	0	0	0	0	0	0
77.111 Psychiatry	0	0	10	10	0	0	10	10
30 hour General Studies Elective†	0	0	10	0	10	0	10	0

† 12.191H Psychology may not be taken as a general studies elective by medical students.

FIFTH YEAR

Total hours for 4 terms (40 weeks)

	Lec.	Other*
71.112 Medicine and Therapeutics	20	40
72.111 Pathology	0	40
74.111 Surgery	20	140
75.111 Obstetrics and Gynaecology	0	190
76.111 Paediatrics	10	199
77.111 Psychiatry	0	126
79.111 Social Medicine	50	0
General Studies—Advanced Elective	60	0

* Includes tutorials, laboratory work and, where applicable, periods in wards and clinics.

SIXTH YEAR

	Term 1 (10 weeks)		Term 2 (10 weeks)		Term 3 (10 weeks)		Term 4 (10 weeks)†	
	Lec.	Other*	Lec.	Other*	Lec.	Other*	Lec.	Other*
71.112 Medicine and Therapeutics	30	30	30	60	30	60	0	0
74.111 Surgery	20	40	20	40	20	40	0	0
75.111 Obstetrics and Gynaecology**	5	0	5	0	5	0	5	0
76.111 Paediatrics‡	10	0	10	0	10	0	0	0
77.111 Psychiatry‡	0	10	0	10	0	10	0	0
78.112 Human Genetics	0	0	0	0	0	10	0	0
Combined Seminars	20	0	20	0	20	0	12	0

*Includes tutorials, laboratory work and, where applicable, periods in wards and clinics.

**Students will be required to complete 7 weeks in residence at the associated hospitals and 2 weeks residence in obstetrics and gynaecology by the end of Term 3.

†Final examinations are conducted during the last three weeks of Term 4.

‡Examinations in Paediatrics and Psychiatry will be held in the final two weeks of Term 1.

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)—B.Sc.(Med.).:

(i) medical students may enrol for the degree of Bachelor of Science (Medicine) in one of the following subjects of the medical curriculum;

Anatomy, Physiology, Biochemistry, Pathology, Pharmacology or Microbiology;

(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 in the course shall be effected at the end of the second term of the third year in one of the subjects Anatomy, Physiology, or Biochemistry; or at the end of the third term of the fourth year in one of the subjects Anatomy, Physiology, Biochemistry, Pathology, Pharmacology or Microbiology;

(iv) the course in each subject shall be a special course designed to introduce the student to research in the particular discipline and shall consist of such formal and special work and such examinations at the Head of the School shall prescribe;

(v) the award upon completion of the course shall be Bachelor of Science (Medicine) at first or second class honours or pass level; if the performance of the student has been unsatisfactory, no award shall be made;

(vi) The duration of the course shall be one year;

(vii) A student may qualify for the award of the degree of Bachelor of Science (Medicine) at the conclusion of such year.

DESCRIPTIONS OF SUBJECTS

SCHOOL OF PHYSICS

1.001 Physics 1

Mechanics.—Particle kinematics. Vectors. Particle dynamics. Conservation of momentum and energy. Statics of rigid bodies. Hydrostatics. Rotational motion about a fixed axis. Simple harmonic motion.

Wave Motion, Sound and Light.—Progressive waves. Velocity in various media. Interference, diffraction, Doppler effect. Stationary waves, resonance, beats. Electromagnetic spectrum. Reflection, refraction, spherical mirrors, lenses. Optical instruments. Dispersion. Spectra. Polarisation.

Heat.—Temperature. Thermal expansion. Specific heat. Gas laws. Heat transfer. First law of thermodynamics. Elementary kinetic theory of gases. Hygrometry. Change of phase, latent heats, triple point.

Electricity and Magnetism.—Electrostatics. Electric charge and atomic structure. Electric field and potential. Capacitance. Energy stored in a capacitor. D.C. circuits. Ohm's law. Joule's law. Measuring instruments. Measuring circuits. Magnetism. Force on a current in a magnetic field. Motion of charged particles in electric and magnetic fields. Magnetic field currents. Electromagnetic induction. Self and mutual inductance.

Properties of Matter.—Elasticity. Elastic moduli. Fluid mechanics. Viscosity. Surface tension. Gravitation.

TEXTBOOKS

Resnick and Halliday. *Physics for Students of Science and Engineering.* (Volumes I and II or combined volume. This text is particularly recommended for students with a good background in Physics and Mathematics); OR

Ference, Lemon and Stephenson. *Analytical Experimental Physics.*

Students should also provide themselves with the tutorial aid:

Curnow. *Complementary Physics.*

REFERENCE BOOKS

Richards, Sears, Wehr and Zemansky. *Modern University Physics.*

Stephenson. *Mechanics and Properties of Matter.*

Loney. *Dynamics.*

Starling and Woodall. *Physics.*

Synge and Griffith. *Principles of Mechanics*, 3rd. ed.

SCHOOL OF CHEMISTRY

2.001 Chemistry I

A course of lectures, tutorials and practical work totalling six hours per week on the following topics:

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
Sienko and Plane. *Chemistry*. McGraw-Hill, 1961.
Glasstone and Lewis. *Elements of Physical Chemistry*. Macmillan, 1962.
English and Cassidy. *Principles of Organic Chemistry*. McGraw-Hill, 1961.
Chemical Data Book. The University of New South Wales, 1964.

REFERENCE BOOKS (for preliminary or supplementary reading)
C.H.E.M. Study Project. *Chemistry, an Experimental Science*. Freeman, 1963.
Barrow, Kenney, Lassila, Little and Thompson. *Programmed Supplements for General Chemistry*, Vols. I and II. Benjamin, 1963.
Ryschkewitsch. *Chemical Bonding and the Geometry of Molecules*. Reinhold, 1963.
Vogel. *A Textbook of Quantitative Inorganic Analysis*. Longmans, 1961.

SCHOOL OF MATHEMATICS

10.001 Mathematics I
Calculus, analysis, analytical geometry and algebra.

TEXTBOOKS
Archbold. *Algebra*, 3rd ed. Pitman & Sons, 1964.
Pedoe. *A Geometric Introduction to Linear Algebra*. Wiley Paperback.
Thomas. *Calculus*. Addison-Wesley.

REFERENCE BOOKS
Ball. *Principles of Abstract Algebra*. Holt, Rinehart and Winston.
Beaumont and Pierce. *Algebraic Foundations of Mathematics*. Addison-Wesley.
Keane and Senior. *Complementary Mathematics*. Science Press.
McCoy. *Introduction to Modern Algebra*. Allyn and Bacon.
Rose. *Algebra: An Introduction to Finite Mathematics*. Wiley.
Taylor and Wade. *University Freshman Mathematics*. Wiley.
Whitesitt. *Principles of Modern Algebra*. Addison-Wesley.

SUPPLEMENTARY READING LIST
Adler. *The New Mathematics*. Mentor Press.
Allendoerfer and Oakley. *Principles of Mathematics*. McGraw-Hill.
Courant and Robbins. *What is Mathematics?* Oxford University Press.
Sawyer. *A Concrete Approach to Abstract Algebra*. Freeman.
Sawyer. *Prelude to Mathematics*. Pelican.

10.391 Statistics (Pre-clinical Terms 1, 2 and 3)
Probability; distribution and sampling distributions; statistical estimation; tests of significance; regression; experimental design and analysis of variance.

TEXTBOOKS
Hodges and Lehmann. *Basic Concepts of Probability and Statistics*. Holden-Day.
Steel and Torrie. *Principles and Procedures of Statistics*. McGraw-Hill.
Statistical Tables. New South Wales University Press.

SCHOOL OF APPLIED PSYCHOLOGY

12.131 Introductory Psychology

This course in psychology is designed to introduce medical students to a systematic study of the person, to acquaint them with the nature and function of personality and to emphasise the significance of personality and interpersonal relations in the practice of medicine.

In this course emphasis will be on the study of normal behaviour.

Practical work in the form of demonstrations and tutorials, relating to this course, will be given where the problems of interpersonal relations and personality will be dealt with in the practical context of the clinical interview.

Topics to be discussed include: the nature and development of personality, individual differences, types and traits, the dynamics of personality, attitudes and values, character and personality, the expression of personality, the determinants of personality, personality and change, the assessment of personality.

TEXTBOOK

Engel. *Psychological Development in Health and Disease.* Saunders Company, 1963.

REFERENCE BOOKS

Munn. *Fundamentals of Human Adjustment,* 4th ed., 1961.
Morgan. *Introduction to Psychology,* 2nd ed., 1961.
Anastasi and Foley. *Differential Psychology.*
Stagner. *Psychology of Personality.* 1961.
Stephen. *The Wish to Fall Ill.*
Balint. *The Doctor, His Patients and the Illness.*

SCHOOL OF BIOLOGICAL SCIENCES

17.001 General Biology

General biological principles. Properties of living matter. Cell structure. Comparison of plants and animals. Basic classification of plant and animal kingdoms. The elements of plant and animal histology. Anatomy and life histories of selected types of animals and plants. Autotrophic and heterotrophic nutrition. Aspects of elementary plant and animal physiology. An introduction to genetics, evolution, cytology and ecology.

Practical work to illustrate the lecture course.

At least two obligatory field excursions are held during the year.

TEXTBOOKS

Simpson and Beck. *Life (An Introduction to Biology).* Harcourt Brace and World, Inc., 2nd ed., 1965.
Abercrombie, Hickman and Johnson. *A Dictionary of Biology.* Penguin.

17.121 Biochemistry (5 Pre-clinical Terms)

Instruction in biochemistry will be integrated with that of clinical biochemistry later in the course; wherever possible, it will also be coordinated with the teaching of physiology. The principal topics to be covered are as follows:

Physical and chemical properties and roles of the principal biological constituents. Catalysis in biological systems. Metabolism of the principal cell constituents. The molecular anatomy of cells. Multicellular organisa-

tion. The biochemistry of body fluids and specialised tissues. Intermediary metabolism in man. Regulation of metabolic processes. Nutrition.

Practical work to illustrate the lecture course.

TEXTBOOKS

Conn and Stumpf. *Outlines of Biochemistry*. Wiley.

Cantarow and Schepartz. *Biochemistry*. 3rd ed., Saunders.

REFERENCE BOOKS

White, Handler and Smith. *Principles of Biochemistry*. 3rd ed., McGraw-Hill.

West and Todd. *Textbook of Biochemistry*. 3rd ed., Macmillan.

17.221 Microbiology

The microbiology course introduces the student to the principal microbial groups and is designed to give a basic knowledge of the nature and properties of bacteria, viruses and fungi. Genetics, viruses, the sensitivity of micro-organisms to antibiotics, and antibiotic-resistant mutants will be studied. The mechanisms of pathogenicity will be discussed and an outline of the principal pathogenic groups of bacteria will be given.

Hospital tutorials will be presented on special topics. Laboratory work will illustrate the various topics.

TEXTBOOK

Burrows. *Textbook of Microbiology*. 18th ed., Saunders, 1963.

SCHOOL OF ANATOMY

70.111 Human Anatomy

The course of instruction in human anatomy includes embryology, neurological anatomy, microscopical anatomy (histology), radiological anatomy, the anatomy of the living subject, and topographical anatomy.

Topographical anatomy is taught by a course of dissections, supplemented by tutorial classes and demonstrations. The other subjects comprising the course are taught by lectures and practical instruction. Stress will be laid on those aspects of the subject which have special bearing in a course for medical students, and there will be emphasis on the functional implications of gross and microscopic structure.

PRELIMINARY READING

Le Gros Clark. *The Tissues of the Body*. 4th ed., Oxford University Press, 1959.

TEXTBOOKS

1. Gardner, Gray and O'Rahilly. *Anatomy, A Regional Study of Human Structure*. 2nd ed., Saunders, Philadelphia, 1963.
2. (If available) Williams, Wendell-Smith and Treadgold. *Basic Human Embryology*. Pitman, London, 1965.

   OR

   Harrison. *A Textbook of Human Embryology*. Blackwell, Oxford, 1959 (if Williams et al. not available).
3. Everett. *Functional Neuroanatomy*. Lea and Febiger, Philadelphia 1965.
4. *Either*

   Ham and Leeson. *Histology*. 4th ed., Pitman, London, 1961.

   OR

   Bloom and Fawcett. *A Textbook of Histology*, 8th ed. W. B. Saunders, Philadelphia, 1962.

SCHOOL OF MEDICINE

71.111 Introductory Medicine

A course of lectures and practical work in the wards designed to illustrate the symptomatology of disease, the mode of production of symptoms, and the essentials of history taking and physical examination. Part of the course, devoted to interviewing techniques, will be given in conjunction with the Schools of Applied Psychology and Psychiatry.

TEXTBOOKS

Chamberlain. *Symptoms & Signs in Clinical Medicine.*

and either

Davidson. *The Principles and Practice of Medicine.*

or

Harrison. *Principles of Internal Medicine.*

TEXTBOOK FOR DERMATOLOGY

Pillsbury. *Cutaneous Medicine.*

71.112 Medicine and Therapeutics

This course extends over the clinical years (12 terms). The object of the course in internal medicine will be to help train students to assume the responsibilities of a physician. The students will be guided in techniques of interrogation and counselling, supervised in methods of physical examination, trained to undertake therapy and assess its results, advised in the methods of laboratory investigation and directed towards sources of information and references throughout the course.

In 1st term of 4th Year, there will be lectures on the mechanism and significance of major symptoms and signs, and students will be introduced to the physical examination of patients with various abnormal signs. This part of the course is intended to prepare the student for his clinical junior clerkship, or apprenticeship, which starts actively in the 2nd term of 4th Year.

Fourth Year students will rotate through wards allocated to the various functions of the School of Medicine — general medicine, cardiology, neurology, gastroenterology, endocrinology and metabolism, etc. They will be immediately responsible within the wards to the registrars who will allot patients for study; thereafter the student will be responsible for a full and continued case-history and physical examination of these patients, will undertake simple procedures in clinical pathology for their investigations, and will attend them during diagnostic procedures.

Lectures during the 4th Year of the course will deal with the development of symptoms in disease states, the origin of diseases, and major diseases within the natural divisions of internal medicine. Therapeutics and applied pharmacology will be discussed within the framework of these lectures. They will also be related in time to the latter part of the formal course in pharmacology. The principles of drug assessment, and those governing the design and interpretation of clinical trials of treatment, will be illustrated. During the 4th Year a short course in tropical medicine will be included.

During the 5th Year students will carry out an intensive clerkship of one term's duration. They will also attend clinics in infectious diseases and in dermatology, and take part in symposia on major topics in medicine held jointly with other schools. During this ten-week period the student

will be expected to devote virtually the whole of his time to medicine and related topics.

In the 6th Year, students will attend out-patient clinic and ward rounds, and will be free to do electives in the wards or laboratories. They will also spend a period in residence at an associated hospital.

TEXTBOOKS
As for 71.111 Introductory Medicine.

SCHOOL OF PATHOLOGY

72.111 Pathology

The course will illustrate the principles of pathology as the study of the dynamics of disease — including the causation of disease, the development of its distinctive lesions, and its effects in disturbing the normal structure and function of the tissues.

Commencing in the final term of third year, pathology will be taught for one year in lectures, tutorials and practical classes on gross, microscopic and experimental pathology, as well as autopsy demonstrations as follows:

Inflammation and healing—the establishment and spread of infection, the inflammatory reaction, phagocytosis, reticulo-endothelial system, healing and regeneration. Specific acute and chronic inflammations. *Vascular disorders*—haemorrhage and shock, coagulation and thrombosis embolism and infarction, anaemia. *Cell degenerations*—including necrosis, calcification, atherosclerosis, pigmentation. *Neoplasia*—causation, classification, features and mode of spread. *Immunopathology*—including the immune response and its disorders.

During the remainder of the clinical course, teaching in pathology will be integrated with that of other subjects in the curriculum, e.g., through autopsy demonstrations and combined symposia.

TEXTBOOKS

1. Payling Wright. *An Introduction to Pathology*. 3rd ed., Longmans.
2. Humphrey and White. *Immunology for Students of Medicine*. Blackwell, 1963.
3. Cappell (rev. by). *Muir's Textbook of Pathology*. 8th ed., Arnold.

OR

Boyd. *Textbook of Pathology*. 7th ed., Lea and Febiger.

72.091 Clinical Laboratory Methods

The course will be conducted by the School of Pathology in collaboration with the Clinical Schools. Beginning in the final term of 3rd Year, the course will extend through the first and third terms of 4th Year, and will include the following topics:

(i) haemoglobin estimations and abnormal blood pigments, the preparation and examination of blood films, red and white cell counts, bone marrow examination, blood coagulation and anticoagulant methods, blood grouping and blood transfusions;

(ii) examination of urine (biochemical tests, cytology and bacteriology), cerebro-spinal fluid, sputum, and faeces, as well as of blood and faeces for parasites;

(iii) tests to assess water and electrolyte balance, carbohydrate and nitrogenous metabolism, the function of the gastro-intestinal

tract, liver, and endocrine system; enzymes of blood and other body fluids.

TEXTBOOKS

Dacie. *Practical Haematology*. Churchill.
Stewart and Dunlop. *Clinical Chemistry in Practical Medicine*. Livingstone.

SCHOOL OF PHYSIOLOGY

73.111 Medical Physiology (4 pre-clinical terms)

Physiology is the science of function of living organisms. An understanding of normal function forms the basis of understanding abnormalities of function during disease. The course in Medical Physiology thus emphasizes those areas of the subject of relevance to the student's subsequent clinical studies.

The topics covered include—
Introductory Physiology.—The internal environment of the body cells, problems of homeostasis. Transport mechanisms linking cell with environment. Neural and chemical control processes. *Blood and body fluid*.—Ionic composition and volume of body fluid compartments. Vascular and interstitial fluid exchanges. Cellular elements of blood. Plasma. Blood groups. Blood coagulation. Cerebro-spinal and intraocular fluids. *Cardio-pulmonary physiology*.—Functional anatomy of the heart and circulation. Mechanical and electrical events during the cardiac cycle. Autonomic nervous system and circulatory control. Control of cardiac performance. Peripheral circulation—autoregulation and extrinsic control. Blood gas transport. Mechanics of respiration. Ventilation. Pulmonary gas and blood distribution. Alveolar-capillary diffusion. Control of respiration. *Neuro-physiology*.—Conduction in nerve. Properties of skeletal and smooth muscle and neuromuscular transmission. Synaptic transmission. Spinal reflexes. Physiology of posture and movement. Somatic sensation. The neural basis of hearing and vision. The autonomic nervous system. *Renal physiology*.—Mechanisms of renal filtration, reabsorption and excretion. Regulation of volume and osmolarity of body fluids. Acid-base regulation. *Endocrine systems*.—Characteristics and mechanisms of hormone action. Hypophysis and its regulating hormones. Thyroid. Adrenal cortex and medulla. Insulin. Parathyroid. Reproductive physiology. *Digestive System*.—Digestion and absorption of various foods by the gastro-intestinal tract. Functions of the liver and pancreas.

TEXTBOOKS

1. Ganong. *Review of Medical Physiology*.
2. Bard. *Medical Physiology*. 11th ed., C. V. Mosby Co.

OR

Ruch and Fulton. *Medical Physiology and Biophysics*. 18th ed., Saunders (new ed. pending).

73.211 Medical Pharmacology

The course emphasises the general principles of drug action and the detailed pharmacodynamics of drugs of clinical importance. The topics considered in the course include:

General principles of drug action on cells. Absorption, distribution, fate and excretion of drugs.

Pharmacology of the autonomic nervous system. Drugs acting on central nervous system. Antihistamine drugs. Cardiac glycosides. Quinidine. Vasodilators. Diuretics. Pharmacology of respiration. Pharmacology of haemopoietic system and anti-metabolites. Pharmacology of gastro-intestinal tract and liver. Principles of chemotherapy and antibiotics. Hormones and hormone assays. Vitamins.

Pharmacology of hypertension. Pharmacology of ocular disorders. Pharmacology of asthma. Pharmacology of cardiac failure. Clinical trials.

TEXTBOOK

Andres Goth. *Medical Pharmacology*. 2nd ed., Mosby.

SCHOOL OF SURGERY

74.111 Surgery

This course extends throughout the clinical years (12 terms). The objects of the course in surgery are to give the student a sound knowledge and understanding of the common surgical conditions. Surgery will be taught not only in formal lectures but at the bedside, in the out-patient clinics, in clinico-pathological conferences, in the operation theatres, the casualty department, the experimental and clinical surgical laboratories, and in the medical library. Students will be given projects and taught how to use books of reference and journals, how to prepare case commentaries and how to present patients for discussion.

In the 4th Year of the course, chief emphasis will be on tutorial work in case-taking and the elicitation of physical signs. Some lectures will be given to introduce the student to the principles of surgery, including acute injury in all its forms.

In the 5th and 6th Years of the course, students will act as clinical clerks, as well as receiving systematic surgical tutorials. Each will be allotted patients carefully selected to cover a wide range of surgical conditions. Students will be required not only to present their patients but to furnish full commentaries on them. They will also have tutorial and practical experience in anaesthetics.

In the 6th Year of the course, students will enter the ward organisation, assisting the resident medical staff as appropriate, and carrying out ward tests on their own patients. They will also be given instruction in ophthalmic and ear, nose and throat surgery, and will see something of the work in other special branches of surgery, including cardiopulmonary

surgery, neurosurgery, plastic and reconstructive surgery, urology, orthopaedics and vascular surgery.

TEXTBOOKS

4th YEAR

Bailey. *Demonstrations of Physical Signs in Clinical Surgery*. 13th ed., Wright, 1960.

Bailey and Love. *A Short Practice of Surgery*. 12th ed., Lewis, 1959.

5th YEAR

Harkins, Meyer, Rhodes, Barton and Allen. *Surgery: Principles and Practice*. 2nd ed., Lippincott, 1961.

Ostlere and Bryce-Smith. *Anaesthetics for Medical Students*. 5th ed., Churchill, 1963.

SCHOOL OF OBSTETRICS AND GYNAECOLOGY

75.011 Introductory Obstetrics

This subject will be presented during the third term of third year. It will deal with normal obstetrics, and the physiology of pregnancy, labour and the puerperium will be covered by means of lecture demonstrations. In addition, students will be required to spend one week in residence at an obstetrical hospital, during which time they will assist with normal deliveries.

75.111 Obstetrics and Gynaecology

This course will be taught in fifth and sixth years.

Abnormal Obstetrics. During the obstetrical term in 5th Year, all students will spend five weeks in residence. They will attend daily teaching rounds, out-patient demonstrations, and tutorials. Students will present to, and discuss with, their teachers the clinical features, diagnosis and management of patients in their wards.

In the 6th Year students will, for revision purposes, spend a further two weeks in residence at a maternity hospital. During this period there will be daily teaching rounds and tutorials with case demonstrations.

Gynaecology will be taught concurrently with obstetrics in 5th and 6th Years by means of a series of tutorials, and by out-patient demonstrations and clinical clerking. The syllabus will cover menstrual abnormalities; disorders of pregnancy during the first trimester; prolapse; inflammatory, and benign and malignant neoplastic conditions of the female reproductive tract.

SCHOOL OF PAEDIATRICS

76.111 Paediatrics

This course will be taught in the first term of fourth year and in the fifth and sixth years.

There will be a short course in normal growth and development during the first term of 4th Year.

In the 5th Year neonatal paediatrics will be taught during the obstetrical term. Subjects will include care of the normal newborn infant, resuscitation of the newborn, effects of drugs on the foetus and infant, neonatal infections, hyperbilirubinaemia, vomiting, respiratory difficulty, feeding difficulties and brain injuries.

In the 5th Year neonatal paediatrics will be taught during the obstetrical and surgery with stress on clinical clerking, particularly in the out-patient department. Students will be assisted in the presentation of their clinical findings for group discussion. Short periods of residence will be offered. Subjects such as the following will be dealt with in lectures and tutorials: anaemia, vomiting, diarrhoea, abdominal pain, urinary tract infections, haematuria, undescended testis, wheezing, croup, chronic cough, obesity, cardiac murmurs, congenital malformations, accidents, accidental poisoning, and burns.

During the fifth and sixth years there will be a paediatric contribution to combined symposia and there will be a revision course in paediatrics during the sixth year.

TEXTBOOKS

1. Growth and Development:
   Illingworth. *The Development of the Infant and Young Child: Normal and Abnormal.* 2nd ed., Livingstone, 1963.
2. General Paediatrics:
   Nelson. *Textbook of Paediatrics.* 8th ed., Saunders, 1964.
   OR
   Hughes. *Synopsis of Paediatrics.* Mosby, 1963.
3. Paediatric Surgery:
   Nixon and O'Donnell. *The Essentials of Paediatric Surgery.* Heinemann, 1962.

SCHOOL OF PSYCHIATRY

77.111 Psychiatry

This subject will be taught during the first and fourth terms of fourth year and during fifth and sixth years.

In 2nd and 4th terms of 4th Year the basic principles of psychiatry will be outlined. The topics which will be dealt with will include the concept of the normal maturation, aetiological factors related to psychological disorders, epidemiology of mental illness, nature and range of psychiatric

symptoms, normal and abnormal behaviour, the mechanisms of symptom formation, the patho-physiology of mental illness, the classification of mental illness, the principles of patient care, psychosomatic inter-relationships, and the relationship of psychiatry to other medical disciplines.

In 5th Year, clinical instruction in psychiatry will be given to groups of students attending the School full-time for a period of six weeks. Emphasis will be on case-taking and case presentation by the students, who will act as clinical clerks for both in-patients and out-patients. They will also participate in seminars and tutorials on a wide range of psychiatric and para-psychiatric topics. A short period of residence in a psychiatric unit will be arranged.

The main topics included in the course are psychiatric examination, mental subnormality, psychoneuroses, psychopathy, affective disorders, schizophrenia, alcoholism and drug addiction, mental illness associated with brain disease, epilepsy, ageing and the mental diseases of the aged, psychotherapy, psychopharmacology, methods of physical treatment and sociotherapy.

In the sixth year there will be lectures on forensic psychiatry, systematic case demonstrations and seminars designed for revision purposes, and some combined teaching with the School of Medicine.

TEXTBOOK

Curran and Partridge. *Psychological Medicine* (A short introduction to psychiatry). 5th ed., Livingstone, Edinburgh, 1963.

HUMAN GENETICS

78.111 Human Genetics

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

TEXTBOOKS

Ford. *Genetics for Medical Students.* Methuen.

Carter. *Human Heredity.* Pelican.

78.112 Human Genetics

To the teaching of human genetics already provided for in the third term of third year, there will be added ten out-patient tutorial classes, each of one hour's duration in the third term of sixth year.

PUBLIC HEALTH AND SOCIAL MEDICINE

79.111 Public Health and Social Medicine

A fully evolved public health and social medicine curriculum should have two aims: (i) to present the problems of health and disease and medical care on a community scale, drawing on statistical epidemiological and survey techniques for the purpose, and (ii) to demonstrate the relation of the social environment to health and the social complications of disease, and that medicine, as well as being a science, is also a social science.

The topics to be treated in detail are:

Introduction to public health and social medicine. The history of modern medicine. Measurement of public health. Nutrition. Control of communicable diseases. Mental health. Child health. Maternal health. Health and welfare of the aged. Preventive and social aspects of clinical medicine. Health aspects of rural and tropical Australia. Environmental health. Occupational health. Accidents. Health education. Civil defence. Organised health services.

TEXTBOOK

Hilleboe and Larrimore. *Preventive Medicine*. 2nd ed., Saunders, 1965.

DEPARTMENT OF GENERAL STUDIES

11.011H History of Fine Arts (30-hour Elective)

This course, comprising 30 one-hour lectures, extends over three terms. Twenty hours will be devoted to an outline of the development of 19th and 20th century painting and sculpture. This course aims to outline the movements concerned in the development of modern art from the stylistic background of the European tradition to contemporary works. It is hoped to develop in the student a critical insight which will lead to greater enjoyment of works of art.

Ten hours will be devoted to a brief historical review of the development of some phases of painting and sculpture during the ancient, Medieval and Renaissance epochs. The influence of religious, economic and social factors on the more important works of the periods concerned will be discussed.

TEXTBOOK

Lake and Maillard. *The Dictionary of Modern Painting.*

REFERENCE BOOKS

Seuphor. *A Dictionary of Abstract Painting.* (Text by various authorities.)
Rewald. *The History of Impressionism.*
Rewald. *Post Impressionism from Van Gogh to Gauguin.*
Brion. *Art Since 1945.* (Text by various authors.)
Read. *The Meaning of Art.* Pelican.
Read. *Icon and Idea.*
Ragnar. *Modern Painting.* Skira.

Richter. *The Sculpture and Sculptors of the Greeks.*
Berenson. *Italian Painting of the Renaissance.*
Burchardt. *The Civilisation of the Renaissance in Italy.*
Vasari. *Lives of the Painters, Sculptors and Architects.*
Venturi. *A Short History of Italian Art.*
Phaidon edition. *The Painting and Sculpture of Michelangelo.*
Skira volume. *Byzantine Painting.*
Bazin. *A Concise History of Art.*
Gardner. *Art Through the Ages.* 1953.
*Newton. *European Painting and Sculpture.* Pelican.

* Students are advised to buy this volume.

11.021H History of Architecture (30-hour Elective)

This course, comprising 30 one-hour lectures, extends over three terms.

The treatment of this historical review of architecture will be different from that as normally given to students of architecture.

The early lectures aim to guide the student towards an understanding of the role of the Architect, and an appreciation of architecture as an art, a science, and a practical profession.

Subsequently, the course will deal with the origins of architectural form in ancient civilisations, and the development of these forms throughout the Middle Ages and the Renaissance. The effects of the Industrial Revolution and its aftermath, and the growth of modern architecture, will be studied. The course will conclude with studies in the development of an Australian idiom in architecture and building.

Only the most important or most typical examples of each historical phase will be discussed, and then primarily from the point of view of what they reveal of the social, economic, and physical conditions which produced them.

TEXTBOOKS
Pevsner. *An Outline of European Architecture.* Pelican.
Richards. *An Introduction to Modern Architecture.*
Boyd. *The Walls Around Us.* Cheshire.

REFERENCE BOOKS
A list will be issued early in the lecture series.

11.031H History of Fine Arts and Architecture (Advanced Elective)

This course is divided into two sections consisting of 11.011H History of Fine Arts and 11.021H History of Architecture. Broadly, these lectures will provide an introduction to the history and aesthetics of the visual arts of the western world, i.e. architecture, painting, sculpture design and craftsmanship.

12.591H Psychology (Advanced Elective)

A course of 60 hours' lectures. The theme of this elective is man in society, his strivings, satisfactions and values. The course examines what psychology has to say about personality, the roles which people adopt, the groups people form and the nature of group relations, the effect of group interaction, the importance of attitudes, the influence of propaganda and the function of conformity, conventions and customs.

TEXTBOOKS

Krech and Crutchfield. *The Individual and Society.* McGraw-Hill, 1962.
Baughman and Welsh. *Personality, a Behavioural Science.* Prentice-Hall, 1962.

15.011H Economics (30-hour Elective)

This subject is an introductory examination of the working of a modern economic system, with some reference to Australian economic institutions.

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

TEXTBOOKS

Grant and Hagger. *Economics. An Australian Introduction.* F. W. Cheshire, 1964.
Carter. *The Science of Wealth.* Edward Arnold, 1963.

15.012H Economics (Advanced Elective)

This subject is intended to follow 15.011H Economics. It will aim at a more penetrating study of central fields of economic theory and at the same time widen the scope of study by including such topics as the history of economic thought and different economic systems. Particular attention will be paid to relating economic theory to such subjects as the population explosion, economic growth, and the role of international trade and economic integration. The subject will also comprise further studies of the economic structure and economic policy of Australia.

TEXTBOOKS

Karmel and Brunt. *The Structure of the Australian Economy.* F. W. Cheshire, 1962.
Homan, Hartz and Sametz. *The Economic Order.* Hartford, New York, 1958.
Sametz. *Students' Guide to the Economic Order.*

26.301H Music (30-hour Elective)

This course, comprising 30 one-hour lectures, extends over three terms.

A survey of European Music from the Tudor madrigal period to the present day. The music will be studied in its social context as an integral part of human culture. The course will be developed around *eight* or so selected works typifying various types of music.

Text and reference books to be prescribed.

26.601H History of Technology (30-hour Elective)

A course of 30 one-hour lectures covering the history of technology and its associated implications.

The course is designed to show that the development of the human race is closely linked with technological change. Every major development is to be seen against the historical background of the times and the changing socio-economic pattern. The subject will be dealt with in the following historical periods:

(1) Prehistoric Times.
(2) The early civilisations of Mesopotamia, Egypt, India and China.
(3) Classical Antiquity.
(4) Islamic Times and the Middle Ages.
(5) Renaissance and the Age of Enlightenment.
(6) The beginning of the Industrial Revolution.

50.011H English

A course of 60 hours, including 20 hours of tutorials.

Basically the course will aim at stimulating an interest in literature through a study of twentieth century texts, which explore, in the main, contemporary problems. Some attention will be given, in the tutorials, to the uses of language.

TEXTBOOKS
Conrad. *Lord Jim.*
Forster. *Where Angels Fear to Tread.*
Lawrence. *Sons and Lovers.*
Hemingway. *A Farewell to Arms.*
Golding. *Lord of the Flies.*
McCullers. *The Ballad of the Sad Cafe.*
Shaw. *Major Barbara.*
O'Casey. *Juno and the Paycock.*
Williams. *A Streetcar Named Desire.*
Williams. *The Glass Menagerie.*
Miller. *Death of a Salesman.*
Penguin volume. *Three Australian plays* (any two).
Camus. *The Outsider.*

In addition, a book of verse will be prescribed.
Any edition will do, but the above should all be available in paperback editions.

50.012H English Literature (Advanced Elective)

A course of 60 hours on the literature of the eighteenth and nineteenth centuries.

TEXTBOOKS
Pope. *Collected Poems.* Everyman.
Keats. *Selected Poems.* Penguin.
Byron. *Selected Poems.* Penguin.
Browning. *Selected Poems.* Penguin.

All of the following in any complete edition:

Defoe. *Moll Flanders.*
Fielding. *Joseph Andrews.*
Sterne. *Tristram Shandy.*
Austen. *Persuasion.*
Dickens. *Bleak House.*
Eliot. *The Mill on the Floss.*
James. *Washington Square.*
Hardy. *Jude the Obscure.*

50.031H English Language

(An additional advanced elective to be offered to Fifth Year Students in the Faculty of Medicine in 1966)

A course of 60 hours (44 lectures and 16 hours' directed reading and assignments) covering the history, development, structure and uses of English. The course will aim at an appreciation of the various forms (the different Englishes) in which language appears today.

Text and reference books to be prescribed.

51.011H History (30-hour Elective)

This course is designed to give a general introduction to modern Western civilisation. It will consist of 30 lectures, traversing in broad outline the history of Europe and the English-speaking world from the Renaissance to 1939. Within this framework six special fields will be selected for study.

*TEXTBOOKS

(1) Renaissance and Reformation:
Hale. *Machiavelli and the Renaissance.* T.Y.H.
Bainton. *The Age of the Reformation.* Anvil.

(2) The English Revolution:
Ashley. *England in the Seventeeth Century. Pelican.*
Trevelyan. *The English Revolution.* Home Uni. Library.

(3) The American Revolution:
Nye and Morpurgo. *History of the United States,* Vol. I. Pelican.
Morris. *The American Revolution.* Anvil.

(4) The French Revolution:
Cobban. *History of Modern France,* Vol. 1. Pelican.
Goodwin. *The French Revolution.* Grey Arrow.

(5) The Industrial Revolution:
Ashton. *The Industrial Revolution.* Home Uni. Library.
Cole and Postgate. *The Common People.* Methuen. University paperback.

(6) The Russian Revolution:
Curtiss. *The Russian Revolution of 1917.* Anvil.
Hill. *Lenin and the Russian Revolution.* T.Y.H.

* Students should not buy more than three texts before consultation with the lecturer.

51.012H History (Advanced Elective)

This advanced elective in History consists of 60 lectures, and students will normally be expected to have passed 51.011H. The object of the course is to provide students with some historical insight into the present world situation, and study will be directed to developments since 1919.

TEXTBOOK

Stuart Hughes. *Contemporary Europe: A History.* Prentice-Hall, 1961.

52.011H Philosophy (30-hour Elective)

This course of 30 lectures aims to convey something of the characteristic differences between philosophical and other questions, and of the kind of clarification that may be sought by the methods of logical and philosophical analysis. The topics to be treated include:

(a) The distinction between what is *necessarily true* or *necessarily false* and what is *contingent*. The relation of this distinction to some others, e.g. between the *certain* and the *uncertain*, the *a priori* and the *a posteriori*. The relevance of these distinctions to the broad differences between empiricism and rationalism.

(b) Distinctions which have to do with the way in which *evidence* may be provided for and against beliefs, and the ways in which statements of different types lend themselves to confirmation and disconfirmation.

(c) An introductory account, using these distinctions, of some important philosophical questions drawn from the following: the nature of scientific laws; causality, determinism and free will; the distinction between the mental and the physical; the existence of God; the nature of perception; the fundamentals of ethics.

TEXTBOOK

Hospers. *Introduction to Philosophical Analysis.* Routledge and Kegan Paul.

REFERENCE BOOKS

Popkin and Stroll. *Philosophy Made Simple.* Made Simple Books.
Ayer. *Foundations of Empirical Knowledge.* Macmillan.
Pap. *Elements of Analytical Philosophy.* Macmillan.
Pap. *Introduction to the Philosophy of Science.* Free Press of Glencoe.
Cohen. *Diversity of Meaning.* Methuen.
Passmore. *Hundred Years of Philosophy.* Duckworth.
Passmore. *Philosophical Reasoning.* Duckworth.
Russell. *Problems of Philosophy.* Oxford, H.U.L.
Hook. *Determinism and Freedom in the Age of Modern Science.* Collier.
Wollheim. *Hume on Religion.* Fontana.
Salmon. *Logic.* Prentice-Hall.
Keene. *Language and Reasoning.* van Nostrand.
Morgenbesser and Walsh. *Free Will.* Prentice-Hall.

52.012H Philosophy (Advanced Elective)

An advanced elective of 60 hours for students who have completed either the 30-hour course 52.011H or the 60-hour course 52.021H. Two alternative versions of the course are given.

Syllabus A

A survey of recent philosophy giving particular attention to the movement known as "logical positivism".

TEXTBOOKS

Ayer. *Language, Truth and Logic.* Gollancz.
Ayer (ed.). *Logical Positivism.* Free Press of Glencoe.
Wisdom. *Philosophy and Psycho-Analysis.* Blackwell.

Syllabus B

An introduction to symbolic logic, dealing with (a) the propositional calculus, (b) the predicate calculus of first and second order, including identity theory, (c) set theory. The material of the course is organised into two sections:

(i) the presentation of the calculi mentioned and a discussion of the way in which they may be used in appraising arguments in ordinary language;
(ii) a discussion of deductive systems generally and in particular of systems of the kind used in (i). Consistency of systems, completeness of systems, the decision problem.

TEXTBOOK

Quine. *Mathematical Logic.* Harvard U.P.; also Harper Torchbook.

53.011H Sociology (30-hour Elective)

This course of 30 hours consists of a study of the nature of human society. A comparison of modern society with the social systems of other societies will help to show that much of what is thought to be unalterable human nature is merely an aspect of the social heritage which has been absorbed during the socialisation process.

TEXTBOOK

Koenig. *Sociology: An Introduction to the Science of Society.* Barnes and Noble.

53.012H Sociology (Advanced Elective)

This course of 60 hours will consist of an advanced treatment of one or more areas of sociological investigation. The elements of sociological analysis which will have been introduced in the first course will be applied to special areas of sociological interest and detailed consideration will be given to the methods of sociological research and analysis in these areas. There will be lectures and discussion periods together with practical field work.

Recommended reading will be prescribed during the course.

54.011H Political Science (30-hour Elective)

This short course of 30 lectures will concentrate on three aspects of Australian government and politics—parliament, political parties, and the public. At the same time issues of a more general nature and application will be raised.

TEXTBOOKS

Birch. *Representative and Responsible Government.* An Essay on the British Constitution, London, Allen & Unwin, 1964.

Rorke (ed.). *Aspects of Australian Government.* University of Sydney Tutorial Classes, 1962.

Sawer. *Australian Government Today.* Melbourne University Press Paperback, 1964.

Forces in Australian Politics, new ed. Australian Institute of Political Science Paperback, 1964.

REFERENCE BOOKS

Crisp. *Australian National Government.* London. Longmans Green, 1965.

Mayer. *Reader in Australian Politics.* Cheshire, 1966.

Rawson. *Australia Votes: The 1958 Federal Election.* Melbourne University Press Paperback, 1965.

Davies. *Australian Democracy.* 2nd ed., London, Longmans, Green, 1964.

Finer. *Anonymous Empire.* London, Pall Mall Press, 1962.

Miller. *Australian Government and Politics.* London, Duckworth Paperback, 1964.

Field. *Political Theory.* London, Methuen Paperback, 1964.

Jupp. *Australian Party Politics.* Melbourne University Press Paperback, 1964.

54.012H Political Science (Advanced Elective)

This 60-hour course, conducted in first and second terms, will be divided into two sections of approximately 30 hours each, concerned with (a) some aspects of government and politics in the U.S.S.R., and *either* (b) some aspects of the politics of developing nations, *or* (c) some aspects of international relations and world politics.

TEXTBOOKS

Armstrong. *Ideology, Politics and Government in the Soviet Union.* Praeger, 1963.

Barnett. *Communist China in Perspective.* Praeger, 1962.

Crankshaw. *The New Cold War.* Pelican, 1963.

Deutscher. *Stalin.* Oxford Paperback, 1961.

Fitzgerald. *The Birth of Communist China.* Pelican, 1964.

Kochan. *The Making of Modern Russia.* Pelican, 1963.

Meyer. *Communism,* 2nd ed. Random House, 1963.

Mills. *The Marxists.* Pelican, 1964.

Tinker. *Ballot Box and Bayonet.* Oxford University Press, 1964.

Von der Mehden. *Politics of the Developing Nations.* Prentice-Hall, 1964.

Reference Books will be recommended to the class.

57.011H An Introduction to Modern Drama

A course of 60 lectures which serves as an introduction to modern drama through the study of plays by Ibsen, Chekov and other writers, covering the range of dramatic activity from Naturalism to the Absurd. Students, through a critical examination of plays in performance at the Old Tote Theatre (situated in the grounds of the University) also have an opportunity to enjoy the direct experience of theatre. Directors of current Old Tote productions take part in the course.

TEXTBOOKS

Ibsen. *Pillars of the Community.* Penguin.
Ibsen. *Ghosts.* Penguin.
Ibsen. *Hedda Gabler.* Penguin.
Ibsen. *The Wild Duck.* Penguin.
Chekov. *The Sea Gull.* Penguin.
Chekov. *The Cherry Orchard.* Penguin.
Chekov. *Uncle Vanya.* Penguin.
Synge. Plays in *Genius of the Irish Theatre* (eds. Barnet, Berman and Burto). Mentor.
O'Neill. *The Emperor Jones.*
O'Neill. *Mourning Becomes Electra.*
Miller. *Death of a Salesman.*
Shaw. *Plays Pleasant.* Penguin.
Brecht. *The Good Woman of Setzuan* (ed. Bently). Evergreen.
Brecht. *The Caucasian Chalk Circle* (ed. Bently). Evergreen.
Ionesco. *Complete Plays,* Vols. I and II. Calderback.

Additional assignments to be prescribed. Plays in performance at the Old Tote Theatre are also prescribed for study and students of the course are required to attend one performance of each play presented during the academic year.