FACULTY OF MEDICINE

1968 HANDBOOK

THE UNIVERSITY OF NEW SOUTH WALES

FACULTY OF MEDICINE

1968 HANDBOOK

FIFTY CENTS

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INTRODUCTION

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

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

The teaching hospital organisation for the clinical instruction of students in their fourth, fifth and sixth years is emerging. The target enrolment for the clinical years of the course is 200 students per annum, and to provide opportunities for such large numbers a teaching hospital organisation of considerable magnitude must be available. All the relevant clinical fields—medicine, surgery, paediatrics, obstetrics and gynaecology, and psychiatry must be adequately represented. The Prince Henry, Prince of Wales and St. George hospitals are the University's teaching hospitals, and in 1969 this group will be expanded by the addition of St. Vincent's Hospital which is required to meet the needs of the growing numbers of students in the clinical years of the course. Lewisham, Bankstown, Sutherland and Canterbury hospitals are also associated with the University for residential training in the final years of the medical course.

In 1961, the first students enrolled in the Faculty of Medicine and after completion of their six years' course the first students graduated at the end of 1966. Those who were successful in passing their final examinations in medicine, surgery, and obstetrics and gynaecology were eligible for registration in New South Wales and entered hospitals as junior residents in 1967. Representatives of the General Medical Council of the United Kingdom visited the University to study the curriculum and to inspect the facilities of its medical school and teaching hospitals, and their visit coincided with the first final examinations of the medical course. In March, 1967, the General Medical Council recognised the MB, BS degrees of the University.

This will enable graduates of the new school to take up post-graduate studies or to practise in other countries, which normally enjoy reciprocity for these purposes.

Although the arrangements are not complete, important modifications are being made in the undergraduate curriculum of the medical school. The Faculty established a Curriculum and Examinations Review Committee in 1962 and since then long discussions have taken place and important recommendations made. The effect of these recommendations is to provide block teaching in each of the clinical subjects of the course. During the period of the block, usually ten weeks, the student will be able to give his undivided attention to each subject in turn. At the pre-clinical level, important changes have been made and others are foreshadowed. Mathematics, as a compulsory subject, has been eliminated from the first year and the content of biology has been altered with a view to making it better orientated to the student's subsequent medical work. In the second year the principal subjects will be anatomy and biochemistry. The time for anatomy has been reduced by about one-third and it will no longer be taught in third year.

The new teaching arrangements will enable students to benefit from an advanced approach to medical instruction, and assist them in their careers as general practitioners, specialists, administrators and public health and medical research workers, and enable the work of the Medical School to have a widespread influence on community health and hospital services in New South Wales and other States.

CALENDAR OF DATES FOR 1968

JANUARY	
Wednesday 10	5th and 6th year medical students re-enrol.
Monday 15	First term commences — 5th and 6th year medicine.
Monday 22	Last day for acceptance of applications to enrol by new students and students repeating first year.
Monday 29	Australia Day — Public Holiday.
FEBRUARY	
Wednesday 7	4th year medical students re-enrol.
Monday 12	First term commences — 4th year medicine.
Monday 19	Enrolment week commences—1st year students.
Wednesday 21	3rd year medical students re-enrol.
Monday 26	First term commences — 3rd year medicine.
Wednesday 28	2nd year medical students re-enrol.
MARCH	
Monday 4	First term commences — 1st and 2nd year medicine.
Friday 15	Last day for acceptance of enrolments — 1st year students (late fee applies).
Saturday 23	First term ends — 4th, 5th and 6th year medicine.
Friday 29	Last day for acceptance of enrolments (late fee applies).
APRIL	
Monday 8	Second term commences — 4th, 5th and 6th year medicine.
Friday 12 to Monday 15	Easter Holidays.
Thursday 25	Anzac Day — Public Holiday.
MAY	
Saturday 18	First term ends — 1st, 2nd and 3rd year medicine.

JUNE

Monday 3	Second term commences — 1st, 2nd and 3rd year medicine.
Monday 10	Queen's Birthday — Public Holiday.
Saturday 15	Second term ends — 4th, 5th and 6th year medicine.

JULY

Monday 1	Third term commences — 4th, 5th and 6th year medicine.
Tuesday 2	Foundation Day.
Friday 19	Last day for acceptance of applications for examinations—all years.

AUGUST

Saturday 10	Second term ends — 1st and 2nd year medicine.
Saturday 17	Second term ends — 3rd year medicine.

SEPTEMBER

Monday 2	Third term commences — 1st and 2nd year medicine.
Saturday 7	Third term ends — 4th, 5th and 6th year medicine.
Monday 23	Fourth term commences — 4th, 5th and 6th year medicine.
	Third term commences — 3rd year medicine.

OCTOBER

Monday 7	Eight Hour Day — Public Holiday.

NOVEMBER

Saturday 2	Lectures cease — 1st year medicine.
Saturday 9	Lectures cease — 2nd year medicine.
	Examinations commence — 1st year medicine.
Saturday 30	Last day for acceptance of applications for special admission to 2nd year medicine.
	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 commences 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 is as shown above, that of the other years of the course differs in many respects from the normal pattern. Term dates in 1968 for the second, third, fourth, fifth and sixth years of the course are as follows:

Second Year (31 weeks):

First Term (11 weeks)	March 4 to May 18
Second Term (10 weeks)	June 3 to August 10
Third Term (9 weeks)	September 2 to November 9

Third Year (33 weeks):

First Term (12 weeks)	February 26 to May 18
Second Term (11 weeks)	June 3 to August 17
Third Term (10 weeks)	September 23 to November 30

Fourth Year (36 weeks):

First Term (6 weeks)	February 12 to March 23
Second Term (10 weeks)	April 8 to June 15
Third Term (10 weeks)	July 1 to September 7
Fourth Term (10 weeks)	September 23 to November 30

Fifth Year (40 weeks) and
Sixth Year (40 weeks):

First Term (10 weeks)	January 15 to March 23
Second Term (10 weeks)	April 8 to June 15
Third Term (10 weeks)	July 1 to September 7
Fourth Term (10 weeks)	September 23 to November 30

FACULTY OF MEDICINE

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CHAIRMAN—Professor L. G. Kiloh

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SENIOR ADMINISTRATIVE OFFICER—A. McNamara, BA *Syd.*

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*G. Preswick, MB BS *Syd.*, MRCP, MRCP(Edin.)

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Lecturer
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Department of Rehabilitation Medicine

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*Conjoint appointment with Prince Henry Hospital

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D. O. Hughes, MB BS *Syd.*, MRACP

Clinical Lecturer
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†A. G. Liddelow, MB BS *Melb.*, MCPA, MCPath
‡R. A. Osborn, MD BS BSc *Lond.*, MRCP(Edin.), MCPath

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Susan M. B. Stevens, MB BS *Syd.*, DCH *Lond.*

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Professor
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T. J. Heath, BVSc *Syd.*, PhD *A.N.U.*
R. A. B. Holland, MD BS *Syd.*, MRACP

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*Conjoint appointment with Prince Henry Hospital
†Conjoint appointment with Prince of Wales Hospital
‡Conjoint appointment with Royal Hospital for Women

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B. J. Sessle, MDS BSc *Syd.*

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Senior Lecturer
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†Conjoint appointment with Prince of Wales Hospital

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*T. A. G. Torda, MB BS *Syd.*, DA *Lond.*, FFARCS

Clinical Lecturer

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F. L. Rosenfeldt, MB BS *Adel.*

Teaching Fellow

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D. J. Woolridge, MB BS *Syd.*, MRCP

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‡Conjoint appointment with Royal Hospital for Women

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W. S. L. Stening, MB MS *Syd.*, FRACS
D. J. Wurth, MB BS *Syd.*, FRCS FRACS

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 permission with advanced standing, and from students who have had a record of failure at another University, are referred by the Admissions Office to the Admissions Committee of the Professorial Board.

Students seeking to register as higher degree candidates should discuss their proposals initially with the Head of the School in which they wish to register. An application is then lodged on a standard form and the Admissions Office, after obtaining a recommendation from the Head of the School, refers the application to the appropriate Faculty or Board of Studies Higher Degree Committee.

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 Higher School Certificate Examination results, or may be obtained on application to the Admissions Office.

The Admissions Office is located on the upper campus in the Chancellery, 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. An evening service is provided during the enrolment period.

REQUIREMENTS FOR ADMISSION

Candidates may qualify for entry to undergraduate courses by complying with the matriculation requirements set out in Section A below, or by meeting the relevant requirements specified in Section B or, for 1968 only, by complying with the special matriculation requirements set out in Section C.

SECTION A

MATRICULATION REQUIREMENTS

(To operate from 1st January, 1968)

1. (a) 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.

   (b) 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.

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

2. Except as elsewhere provided a candidate before being admitted to matriculation shall have passed at the required standard the Higher School Certificate Examination in New South Wales in at least five subjects in accordance with the following conditions:

   (a) The subjects shall be chosen from the following subjects taken at the first, second or third level, in the Higher School Certificate Examination:

   A. English.

B. (i) French, German, Greek, Latin.

(ii) Ancient History, Art, Economics, Geography, Modern History, Music, Bahasa Indonesia, Chinese, Dutch, Hebrew, Italian, Japanese, Russian, Spanish or such other language as may, in the case of any particular candidate, be approved by the Professorial Board.

C. (i) Mathematics.
(ii) Agriculture, Science.

D. Industrial Arts (1967 & 1968 Higher School Certificate Examinations only).

(b) The subjects shall include:—

(i) English,
(ii) four subjects at the first or second level, and,
(iii) one subject chosen from each of the Groups B and C and of these two subjects at least one must be from Section (i) of either Group B or Group C at the first or second level.

(c) The subjects shall NOT include both Art and Music.

3. Mathematics and Science both passed as full courses together shall, for the purpose of matriculation, be counted as three subjects, but otherwise each shall count as one subject.

4. The qualification for matriculation must be obtained at one examination.

5. In addition to the above requirements a candidate for admission to any particular faculty, course or subject shall satisfy the special requirements, if any, pertaining to that faculty, course or subject as set out in the following Schedule A. Where these additional requirements are not satisfied at the same examination as the requirements listed in paragraph 2 they may be met at a separate examination.

6. (a) Notwithstanding the provisions of Clauses 2, 3 and 5 of these requirements, any candidate who has taken the Higher School Certificate Examination in the subject of English and no fewer than any four other subjects named in Clause 2, at any level, may be admitted to matriculation provided he has reached a standard determined from time to time by the Professorial Board.*

(b) Mathematics and Science both taken as full courses together shall, for the purpose of this clause, be counted as three subjects.

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*See page 22 for Professorial Board's decision on these matters.

(c) A candidate qualifying for matriculation under this clause may also be admitted to a particular faculty, course or subject provided:—

(i) he satisfies the special requirements pertaining to that faculty, course or subject as set out in the following Schedule A, or

(ii) the Professorial Board* deems that his programme of studies for, and his performance at, the Higher School Certificate Examination constitute an adequate preparation for his admission to the particular faculty, course or subject.

Schedule A

ADDITIONAL FACULTY, COURSE AND SUBJECT REQUIREMENTS IN TERMS OF CLAUSE 5

(a) Faculty Requirements

Applied Science, Medicine, Engineering, Science.

Passes in **Mathematics** and **Science** at the *first* or *second* level full course.

Architecture.

Passes in **Mathematics** at the *first* or *second* level full course and in **Science** at the *first* or *second* level full course or *second* level short course provided that the **Physics** option has been taken in the short course.

Commerce.

Passes in **English** at the *first* or *second* level and **Mathematics** at the *first* or *second* level full course or *second* level short course.

Arts.

Pass in **English** at the *first* or *second* level.

(b) Course Requirements

Industrial Arts (B.Sc. and B.Sc.(Tech.)), and Sheep and Wool Technology (Education Option)(B.Sc.).

Passes in **Science** at the *first* or *second* level full course and in **Mathematics** at the *first* or *second* level full or short course provided that a student electing to include the subject **Mathematics I** in his University course shall have passed **Mathematics** at the *first* or *second* level full course.

Social Work (B.Soc.Wk.).

As for Faculty of Arts.

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*See page 22 for Professorial Board's decision on these matters.

(c) Subject Requirements

French I.

Pass in **French** at the *first* or *second* level.

German I.

Pass in **German** at the *first* or *second* level or pass in **Introductory German.**

Introductory German, Introductory Spanish or Preliminary Italian.

Pass in any other **foreign language** at the *first* or *second* level.

Economics II or Economics III.

Passes in **English** at the *first* or *second* level and **Mathematics** at the *first* or *second* level full course or *second* level short course.

Mathematics I.

Pass in **Mathematics** at the *first* or *second* level full course.

Geology I.

Pass in **Science** at the *first* or *second* level full course.

Chemistry I, Physics I or General and Human Biology.

Passes in **Mathematics** and **Science** at the *first* or *second* level full course.

SECTION B

SUPPLEMENTARY PROVISIONS FOR MATRICULATION

1. Notwithstanding the provisions of Section A above, candidates may be accepted as "matriculated students" of the University under the following conditions subject to the approval of the Professorial Board:—

   (a) Any person who holds a diploma from the New South Wales Department of Technical Education, or any other Technical College which may from time to time be recognised by the University, may be admitted to the University as a "matriculated student" with such status as the Board may determine, provided that, in the opinion of the Board, the applicant's qualifications are sufficient for matriculation to the Faculty nominated.

   (b) The Board may admit as a "matriculated student" in any Faculty with such status as the Board may determine in the circumstances:

      (i) A graduate of any approved University.

      (ii) An applicant who presents a certificate from a University showing that he has a satisfactory record and is

qualified for entrance to that University, provided that in the opinion of the Board there is an acceptable correspondence between the qualifying conditions relied upon by the applicant and conditions laid down for matriculation to the nominated Faculty of the University of New South Wales.

(c) (i) Any person who has completed the first year of the course at the Royal Military College of Australia and submits a certificate from the Commandant to that effect may be admitted as a "matriculated student" of the University.

(ii) Any person who has completed a full course of at least three years' prescribed study at the Royal Military College of Australia and produces a certificate from the Commandant to that effect may be admitted as a "matriculated student" of the University with such status as the Board may determine.

(d) Any person who has completed satisfactorily the passing out examination of the Royal Australian Naval College and submits a certificate from the Commanding Officer may be admitted as a "matriculated student" of the University.

(e) (i) Any person who has completed the first year of the course at the Royal Australian Air Force College and submits a certificate from the Commandant to that effect, may be admitted as a "matriculated student" of the University.

(ii) Any person who has completed two years of the course at the Royal Australian Air Force College and submits a certificate from the Commandant to that effect, may be admitted as a "matriculated student" of the University with such status as the Board may determine.

(f) An applicant who presents a certificate from another University showing that he is qualified for entrance to that University and setting out the grounds of such qualification, provided that, in the opinion of the Professorial Board, there is an acceptable correspondence between the qualifying conditions relied upon by the applicant and the conditions laid down for matriculation to the nominated Faculty of the University of New South Wales.

2. (a) The Professorial Board may in special cases, including cases concerning persons of other than Australian education, declare any person qualified to enter a Faculty as a "provisionally matriculated student" although he has not complied with the

requirements set out above, and in so doing may prescribe the completion of certain requirements before confirming the person's standing as a "matriculated student". Students who satisfactorily complete these requirements will be permitted to count the courses so passed as qualifying for degree purposes.*

(b) Persons over the age of twenty-five years may be admitted to provisional matriculation status provided that—

(i) they have satisfactorily completed an approved course of systematic study extending over at least three years after passing the School Certificate Examination, or

(ii) they satisfy the Professorial Board that they have reached a standard of education sufficient to enable them profitably to pursue the first year of the proposed course.

(c) Any applicant for provisional status may be required to take such examination as the Professorial Board may prescribe before such status is granted.

3. The Professorial Board may at its discretion permit a person, who does not satisfy the requirements for admission, to attend lectures in a subject or subjects at the University, on payment of the prescribed fees provided that such person shall not necessarily have the privileges of "matriculated students" and shall not be eligible to proceed to a degree.

SECTION C

SPECIAL MATRICULATION REQUIREMENTS TO OPERATE IN 1968 ONLY

(Determinations of the Professorial Board in terms of Clause 6 of the normal requirements as set out in Section A above)

The Professorial Board has determined that, for 1968 only,

(a) a candidate who qualifies by means of the 1967 Higher School Certificate Examination to matriculate in any other university in New South Wales or in the Australian National University shall be deemed to have qualified to matriculate in the University of New South Wales under the provisions of Clause 6 of the matriculation requirements set out in Section A above.

(b) a candidate who achieves at the 1967 Higher School Certificate Examination *a standard acceptable to the Professorial Board* in English and any four other subjects approved for

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*The Professorial Board has determined that normally confirmation of standing as a "matriculated student" will require the successful completion of not less than half the normal programme in the first year of enrolment.

matriculation purposes shall be deemed to have qualified to matriculate in the University of New South Wales under the provisions of Clause 6 of the matriculation requirements set out in Section A above. For this purpose Mathematics and Science both taken as full courses shall count as three subjects.

(c) the special requirements pertaining to entry to a particular faculty, course or subject, referred to in Clause 6 of Section A, shall be as set out in Schedule B.

Schedule B

SPECIAL FACULTY, COURSE OR SUBJECT REQUIREMENTS IN TERMS OF CLAUSE 6 OF THE NORMAL REQUIREMENTS AS SET OUT IN SECTION A ABOVE

(To operate only in 1968)

(a) Faculty Requirements

Applied Science, Engineering, Medicine and Science.

Passes in **Science** at the second level short course or higher AND in **Mathematics** either at the second level full course or higher or *at the second level short course at a standard acceptable to the Professorial Board.*

Architecture.

Passes in **Mathematics** at the second level short course or higher AND in **Science**, at the second level short course or higher.

Commerce.

Passes in **Mathematics** at the second level short course or higher AND in **English** at either the second level or higher or *at the third level at a standard acceptable to the Professorial Board.*

Arts.

A pass in **English** at the second level or higher, or a pass at the third level *at a standard acceptable to the Professorial Board.*

(b) Course Requirements (Courses under the control of the Board of Vocational Studies)

Social Work Course (Bachelor of Social Work)

As for Faculty of Arts.

Industrial Arts Course (B.Sc. and B.Sc.(Tech.)) and
Sheep and Wool Technology (Education Option) Course (B.Sc.)

As for Faculties of Applied Science, Engineering, Medicine and Science.

(c) Subject Requirements

10.011—HIGHER MATHEMATICS I—

A pass in Mathematics at the second level full course or higher.

10.001—MATHEMATICS I—

A pass in Mathematics *at the second level short course at a standard acceptable to the Professorial Board.*

10.021—MATHEMATICS IT—

A pass in Mathematics at the second level short course.

PHYSICS I
CHEMISTRY I
GENERAL AND HUMAN BIOLOGY
GEOLOGY I
— As for Faculties of Applied Science, Engineering, Medicine and Science.

ECONOMICS II
ECONOMICS III
— As for Faculty of Commerce.

FRENCH I

A pass in French at second level or higher.

GERMAN I

A pass in German at second level or higher or in Introductory German.

INTRODUCTORY GERMAN
INTRODUCTORY SPANISH
PRELIMINARY ITALIAN
— A pass in any other foreign language at second level or higher.

Note: Candidates who depend for matriculation on a pass in a subject "at a standard acceptable to the Professorial Board" (indicated in italics throughout the above statement) may ascertain whether they have satisfied this standard by **written** application to the Registrar which must be lodged not later than 22nd January 1968.

ADMISSION OF STUDENTS TO THE MEDICAL COURSE

1. Admissions to the medical course will be at two levels—first year and second year.

2. Admission to the first year shall be on the basis of the aggregate of co-ordinated marks at the Higher School Certificate Examination with a provision for admitting at this level some students who have qualified by other means deemed to be of equivalent or higher standard.

3. Admission to second year shall be on the following basis:—
   (a) students admitted to the first year of the medical course who have passed all the examinations of the first year will be admitted to second year of the medical course irrespective of their performance relative to that of applicants in other categories;
   (b) students who have been enrolled in the second year of the medical course and who have failed at their examinations and who are still eligible to continue in the medical course will be entitled to a place in second year;
   (c) the remainder of the places in second year will be allocated to applicants on the basis of their performance as non-medical students in the subjects of the first year of the medical course or on the basis of their performance at examinations deemed to be of equivalent or higher standard.*

*Applicants from this category of student must lodge an application with the Registrar on the appropriate form not later than thirtieth day of November in the year preceding the year in which the applicant desires to be admitted.

ENROLMENT PROCEDURE

ENROLMENT PROCEDURE FOR FIRST YEAR STUDENTS

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 must, wherever possible, be made in person to the Student Enrolment Bureau, Unisearch House, 221 Anzac Parade, Kensington, as soon as the results of the Higher School Certificate are available, but in any event not later than *22nd January*.

Country residents who wish to enrol in the course, 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 *22nd January*.

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 $6. 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*.

As from the beginning of 1968 a revised programme of pre-clinical studies will be implemented in the medical course. The first year will include physics, chemistry, general and human biology, and an elective; Mathematics I will no longer be a compulsory subject. Furthermore, any student enrolling in Medicine I and passing his examinations will automatically progress to Medicine II. At the same time some opportunity will be retained to enable superior students from Science and other faculties to enter Medicine II direct, provided they have satisfied first year requirements. Accordingly, students duly enrolled in Medicine I and successful in their examinations will not need to apply for admission to the second year of the course; such application will only be necessary for those wishing to transfer from

some other faculty or from another university. 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 1968 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 $6.

Fees should be paid at the time of enrolment, but they may be paid up to Friday, March 15, 1968, without a late fee being incurred. Students who pay fees after this date and before March 31 will incur a late fee of $12. 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 $23 is payable.

2nd Year Students

Lectures commence on March 4, 1968.

To complete their enrolment, students are required to attend Lecture Theatre 'D', Wallace Wurth School of Medicine on Wednesday, February 28, 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 26, 1968.

To complete their enrolment, students are required to attend Lecture Theatre 'D', Wallace Wurth School of Medicine on Wednesday, February 21, from 2 p.m. to 4 p.m.

4th Year Students

Lectures in fourth year medicine commence on Monday, February 12, 1968.

To complete their enrolment, students are required to attend Lecture Theatre 'D', Wallace Wurth School of Medicine, on Wednesday, February 7, from 2 p.m. to 4 p.m.

5th and 6th Year Students

Lectures in fifth and sixth year medicine commence on Monday, January 15, 1968.

To complete their enrolment, students are required to attend Lecture Theatre 'D', Wallace Wurth School of Medicine, on Wednesday, January 10, 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.)

Year 1	per term $110
Year 2	per term $110
Year 3	per term $107
Year 4	per term $110
Year 5	per term $101
Year 6	per term $65

Note: In the case of students in the clinical years of the Medical Course, the rates are the same as for a full-time course with more than 15 hours' attendance per week, namely, $110 per term, from which have been deducted amounts to be collected by the University on behalf of the teaching hospitals for cost of residence.

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

One Year Course: $330, or three payments of $110.

OTHER FEES

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

Matriculation Fee — $7 — payable at the beginning of first year.
Library Fee — annual fee — $12.
University Union* — $20 — entrance fee.

Student Activities Fees—

University Union* — $12 — annual subscription.
Sports Association* — $2 — annual subscription.
Students' Union* — $4 — annual subscription.
Miscellaneous — $10 — annual fee.
Total — $28.

Graduation Fee — $7 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.

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.

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

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

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

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

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

Special Examination Fees—

Deferred examination — $5 for each subject.

Examinations conducted under special circumstances — $7 for each subject.

Review of examination result — $7 for each subject.

LATE FEES

First Enrolments

Fees paid on the late enrolment session and before the commencement of term	$6
Fees paid during the 1st and 2nd weeks of term	$12
Fees paid after the commencement of the 3rd week of term with the express approval of the Registrar and Head of the School concerned	$23

Re-Enrolments—

First Term—

Failure to attend enrolment centre during enrolment week	$6
Fees paid after the commencement of the 3rd week of term to 31st March	$12
Fees paid after 31st March where accepted with the express approval of the Registrar	$23

Second and Third Terms—

Fees paid in 3rd and 4th weeks of term	$12
Fees paid thereafter	$23
Late lodgement of Application for Admission to Examinations (late applications will be accepted for three weeks only after the prescribed dates)	$5

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

WITHDRAWAL FROM COURSE

Where a student terminates for acceptable reasons a course of study before half a term has elapsed, one half of the term's fees 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 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, 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 $5, 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 $6.

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

Fees should be paid during the prescribed enrolment period but will be accepted without incurring a late fee up to Friday, March 15, 1968. (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 15, 1968), 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.

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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."

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 15, 1968
2nd payment ..... by June 14, 1968
3rd payment ..... by September 13, 1968

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

Failure to Pay Fees

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 27, 1968.

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

Timetables showing time and place at which individual examinations will be held are posted on the central notice boards. Misreading of the timetable is not an acceptable 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 $7 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 July 19.

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 $5. 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 on 30th 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 $5 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.

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

(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.

(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.

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*Rule (iii) in so far as it relates to students in the Faculty of Arts will apply retrospectively as from January 1, 1967, and in so far as it relates to students in the Faculty of Medicine, will apply to students enrolling for the first time in 1967 or thereafter.

(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 the Philip Baxter College. 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 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, New South Wales Branch Office, Department of Education and Science, La Salle Building, 70 Castlereagh Street, Sydney, 2000. (Telephone 27 5475.)

University Scholarships

The University annually awards up to fifteen scholarships tenable in degree courses to students who have matriculated at the Higher School Certificate Examination; ten scholarships to students who have completed certificate courses (Department of Technical Education); ten scholarships to students who have completed Trade Courses (Department of Technical Education); and ten scholarships to part-time students who have taken the Diploma Entrance course of the Department of Technical Education. The scholarships are tenable in any faculty and exempt the holder from payment of course fees during the currency of the scholarship. Scholarships will be awarded in order of merit on Higher School Certificate Examination results. They may be held only by persons who do not hold another award. Applications must be lodged 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 per annum, but if the scholar is in receipt of a Commonwealth Scholarship living allowance the value will be $260 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 per week and are tenable for four to eight weeks during the vacation.

Applications should be made by letter to the Secretary of the Foundation (Box 691, P.O., Canberra City, A.C.T.)

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 and may be held concurrently with a Commonwealth Scholarship.

The Asthma Foundation of New South Wales

The Board of the Asthma Foundation of New South Wales has made available the sum of $1000 to support undergraduate work broadly related to asthma. This could take the form of vacation or B.Sc.(Med.) scholarships.

PRIZES

FIELD	TITLE	VALUE	QUALIFICATIONS
GENERAL	The Wallace Wurth Prize for general proficiency at graduation.	$200 annually	Awarded to the final year student who at graduation has shown the highest general proficiency throughout the course.
PUBLIC HEALTH	Department of Public Health prize.	$50 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 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 annually	Awarded to fifth or sixth year student submitting best case history relating disease to social factors and environment.
ANATOMY	Senior Prize in Practical Anatomy.	$21 annually	Awarded to the third year student who most excels in practical anatomy (including Radiological Anatomy).

FIELD	TITLE	VALUE	QUALIFICATIONS
OBSTETRICS and GYNAECOLOGY	F. J. Browne Memorial Prize for Obstetrics and Gynaecology.	$50 annually	Awarded to student with highest standing in the final written and practical examinations in obstetrics and gynaecology.
OBSTETRICS and GYNAECOLOGY	The Gordon Lowe Memorial Prize in Clinical Obstetrics and Gynaecology.	$50 (approx.) annually	Awarded to final year student for general proficiency in the clinical and oral examination in obstetrics and gynaecology.
OPHTHALMOLOGY	The Ophthalmological Society of Australia prize.	$50 annually	Awarded to final year student for best essay on a nominated ophthalmological subject.
GENERAL MEDICINE	The Medical Staff Association prize.	$100 annually	Awarded to final year student for best general proficiency in the clinical years.
MEDICINE	The W. G. Tellesson Memorial Prize in Medicine.	At least $31.50 annually	Awarded to the best fifth year student in an optional clinical examination in medicine.

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

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

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

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

The First (Pre-medical) Year

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

FIRST YEAR

		Hours per week for 30 Weeks		
		Lec.		Lab./Tut.
1.061	Physics IM	3	—	3
2.011 / 2.001	Higher Chemistry I *or* Chemistry I	2	—	4
17.001	General and Human Biology	2	—	4
	One Elective*			

*The elective subjects may be any one of those set out below, provided that:

(i) the elective can be satisfactorily timetabled in relation to the other first year subjects:

(ii) the student has satisfied the prerequisites, if any, for the elective:

(iii) the student has obtained the approval of the Head of the School responsible for the elective; and

(iv) in satisfying the General Studies requirements in the later years of the Medical course, a student shall not take a subject in the same area as the elective subject chosen in first year, unless he takes it at a higher level than the electives originally chosen.

(v) The approved electives are: 5.001 Engineering I, 10.011 Higher Mathematics I, 10.001 Mathematics I, 10.021 Mathematics IT, 12.001 Psychology I, 14.111 Accounting I, 15.101 Economics I, 25.001 Geology I, 27.001 Geography I, 50.111 English I, 51.111 History I, 52.111 Philosophy I, 54.111 Political Science I, 56.111 French I, 56.201 German IZ, 56.211 German I, 56.301 Spanish IZ, 56.311 Spanish I, 57.211 Drama I, 59.111 Russian I (not available in 1968), 62.111 History and Philosophy of Science I.

The Pre-clinical Years (Second and Third Years)

After enrolment in the second year students will receive full-time instruction in the subjects of the pre-clinical and clinical courses. A review of the pre-clinical curriculum is being made and the approved new course for second year in 1968 is set out below. Final examinations in each of the three subjects will be held at the end of second year. Details of the programme to be followed in the third and fourth years of the course by students enrolled in second year in 1968 are currently under review. It is emphasised that the third and fourth years of the course will be modified and the description given here chiefly concerns present arrangements.

Final examinations in anatomy, physiology and biochemistry for third year students in 1968 will be held towards the close of term 2. Final examinations in the third year, general studies subject and human genetics will be held during the examination period in November-December, 1968. Students enrolling in the first year of the medical course in 1967 and subsequently will pursue the revised programme, in which the examinations will be held in (a) biochemistry and anatomy at the end of second year, and (b) physiology and certain other subjects at the end of third year.

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 shown in the following pages.

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

		Hours per Week for 31 Weeks					
		Term 1 (11 weeks)		Term 2 (10 weeks)		Term 3 (10 weeks)	
		Lec.	Lab./Tut.	Lec.	Lab./Tut.	Lec.	Lab./Tut.
17.121	Biochemistry	3	3½	3	7	3	7
26.501 / 26.571	English *or* An Introduction to Modern Drama	1	½	1	½	1	½
70.111	Human Anatomy	6	8†	6	8†	6	8†

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

		Hours per Week for 23 Weeks			
		Term 1* (12 weeks)		Term 2 (11 weeks)	
		Lec.	Lab./Tut.	Lec.	Lab./Tut.
17.121	Biochemistry	2	7	1	1
70.111	Human Anatomy	4**	5**	2	9†
73.111	Medical Physiology	3	9	2‡	1
	General Studies Elective	1	½	1	½
		10	21½	6	11½

*This term commences one week in advance of other undergraduate courses.

**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 introductory 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
72.091	Clinical Laboratory Methods	0	2
72.111	Pathology**	3	5
75.011	Introductory Obstetrics§	1	0
78.111	Human Genetics	2	2
	General Studies Elective	1	½
		14	15½

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

**Includes general and experimental pathology.

†Term ends four weeks after other undergraduate courses.

§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, venereal disease 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, electives may be offered in the final two years of the course.

Under present arrangements, final examinations in microbiology, pharmacology and pathology are held towards the close of term 3 in fourth year. In the revised course the timing of at least some of these examinations will be changed. Examinations in general studies subjects and the fifth year examination in preventive medicine will be held in the November-December period.

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		
17.221	Microbiology	0	0	10	20	0	20		
71.111	Introductory Medicine	0	20	0	0	0	0		
71.112	Medicine and Therapeutics	18	36	10	40	0	40		
72.091	Clinical Laboratory Methods	0	24	0	0	0	20		
72.111	Pathology	6	6	20	50	20	44		
73.211	Medical Pharmacology	0	0	20	25	11	7½		
74.111	Surgery	12	0	10	20	10	20		
76.111	Paediatrics	4	12	0	0	0	0		
77.111	Psychiatry	0	0	10	10	0	0		
	General Studies Elective†	45 hours spread over four terms.							

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

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

‡See revised course.

REVISED COURSE ARRANGEMENTS

The revised course arrangements, to take effect from Term 4.4, were introduced in 1966.

Under the new arrangements the syllabus will not be fragmented, but instead individual fields will be compacted to form blocks of teaching, and in place of studying a number of subjects concomitantly, students will concentrate on one subject for a whole term. For this purpose, on entering Term 4.4, students will be allocated to a particular group—Group A, B, C, or D—and will follow the programme of that group for four terms. On entering Term 5.4 another cycle of activities will be pursued.

A teaching block will consist of all working days except Wednesday mornings in a ten-week term. On Wednesday mornings preventive medicine, medical sociology, forensic medicine, venereology, and general studies will be timetabled.

REVISED PROGRAMME

GROUP	A.	B.	C.	D.
Term 4.4	Medicine	Surgery	Paediatrics	Psychiatry
Term 5.1	Surgery	Medicine	Psychiatry	Paediatrics
Term 5.2	Paediatrics	Psychiatry	Medicine	Surgery
Term 5.3	Psychiatry	Paediatrics	Surgery	Medicine
Term 5.4	Medicine	Surgery	Obstetrics & Gynaecology	Residency
Term 6.1	Surgery	Medicine	Residency	Obstetrics & Gynaecology
Term 6.2	Obstetrics & Gynaecology	Residency	Medicine	Surgery
Term 6.3	Residency	Obstetrics & Gynaecology	Surgery	Medicine
Term 6.4	Final Revision and Examination	Final Revision and Examination	Final Revision and Examination	Final Revision and Examination

The following should be noted:

1. Students will be required to attend autopsy demonstrations totalling 40 hours during Fifth and Sixth Years.

2. Residency periods:

   Paediatrics—2 weeks.

   Psychiatry—1 week.

   Obstetrics and Gynaecology—5 weeks.

   Residency Term—10 weeks will be spent in an associated (district) teaching hospital, 8 weeks in medicine and surgery, and 2 weeks in obstetrics and gynaecology.

3. In addition to both the Wednesday morning teaching programme, and the four lectures in medical ethics in the sixth year, the total hours of lectures, tutorials and work in the wards, clinics are as follows:

   Medicine (2 blocks)—460 hours.

   Surgery (2 blocks)—400 hours.

   Paediatrics (1 block)—239 hours.

   Obstetrics and Gynaecology (1 block)—205 hours.

   Psychiatry (1 block)—240 hours.

4. Electives may be offered.

5. **EXAMINATIONS**

   (a) Term 4.4. A formal examination will be held in the fourth year general studies elective in November-December.

   (b) Term 5.4. Formal examinations will be held in Social Medicine and the fifth year general studies advanced elective in November-December.

   (c) Term 6.4. Final examinations will be held in medicine, surgery, obstetrics and gynaecology, paediatrics and psychiatry during this term.

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 as the Head of the School shall prescribe;

(v) the award upon completion of the course shall be Bachelor of Science (Medicine) Honours Class I, Honours Class II, Division I, Honours Class II, Division II 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.

*The conditions will be revised in light of the current review of the medical curriculum.

DESCRIPTIONS OF SUBJECTS

SCHOOL OF PHYSICS

1.061 Physics IM

A terminating subject taken only by students in the Faculty of Medicine. Consists of Units 1, 3-6, 8, 9, 11 and 12.

UNITS

1. *Mechanics I* Kinematics. Centripetal acceleration. Newton's laws of motion. Momentum. Impulse. Work, energy and power. Friction. Conditions of equilibrium. Simple harmonic motion.
2. *Mechanics II*
3. *Wave Motion* Equation of wave motion. Longitudinal and transverse waves. Sound waves. Superposition of waves. Energy current. Stationary waves. Resonance. Beats, Doppler effect.
4. *Physical Optics* Nature of light. Velocity of light. Interference. Interference in thin films. Interferometer. Huygens' principle. Fraunhofer diffraction by slit. Diffraction grating. Polarized light.
5. *Introduction to Modern Physics* Measurement of e and e/m. The neutron. Natural and artificial radioactivity. Quantum properties of radiation. The Bohr atom. Wave properties of matter. The uncertainty principle. Nuclear fission and fusion.
6. *Properties of Matter* Hydrostatics. Pressure. Pascal's and Archimedes' principles. Hydrodynamics. Bernouilli's theorem. Viscosity. Surface tension. Elasticity. Young's, bulk and shear moduli. Poisson's ratio.
7. *Electrostatics and Electrodynamics*
8. *D.C. Circuits* Conductance. E.M.F. Resistivity and temperature coefficient. Power. Kirchhoff's rules and Thevenin's theorem. D.C. measurements. D.C. transients in RL and RC circuits.
9. *A.C. Circuits* Series LRC circuits. Reactance and impedance. Power factor. Phase amplitude diagram and complex notation. Series and parallel resonance. Transformer. A.C. instruments.
10. *Physical Acoustics*
11. *Electronics* Diode as rectifier. Filters. Triodes, and triode parameters. Load line. Triode as amplifier and oscillator. Transistor amplifier. Instruments.
12. *Heat* Temperature measurement. Heat capacity. First law of thermodynamics. Calorimetry. Atomic heat of solids. Kinetic theory. Non-ideal gases. Van der Waals' equation. P-V isotherms. Conduction and radiation of heat. Pyrometers.

TEXTBOOK

Halliday, D., and Resnick, R. *Physics for Students of Science and Engineering*. Vols. I and II, or combined volume. Wiley, 1960.

SCHOOL OF CHEMISTRY

2.001 Chemistry I

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

2.011 Higher Chemistry I

Subject-matter same as 2.001, but treated in greater depth.

TEXTBOOKS

Ander and Sonnessa. *Principles of Chemistry*. Collier-Macmillan, 1966.

Sanderson. *Principles of Chemistry*. Wiley, 1967.

Hart and Schuetz. *Organic Chemistry*. Houghton Mifflin, 1967.

Aylward and Findlay (eds.). *Chemical Data Book*. Wiley, 1966.

First Year Chemistry Laboratory Course. University of New South Wales, 1968.

SCHOOL OF APPLIED PSYCHOLOGY

12.131 Introductory Psychology

Designed (*a*) to introduce medical students to the systematic and developmental study of the person, to acquaint them with the nature, growth and function of personality and to examine some of the basic psychological processes in learning, motivation, and perception; (*b*) as an introduction to the nature and measurement of individual differences—abilities and aptitudes; and (*c*) to examine some of the psychological problems involved in illness and its treatment from the point of view of the patient and of the doctor. Topics include: problems of growth and development, individual differences, learning and remembering, perceptual and cognitive processes, emotion, personality, psychological measurement and assessment, social psychology, dynamic and interpersonal problems in medicine.

SCHOOL OF BIOLOGICAL SCIENCES

17.001 General and Human Biology

Characteristics of living organisms. Properties of living matter. Cell structure and function. Life cycles. An introduction to biochemistry, ultrastructure, genetics and cytology. Plant structure and function. Physiology of vertebrate animals, human biology and variation. The biology of microorganisms. Evolution. Anatomy and histology of selected animals. Practical work to illustrate the lecture course, including field excursions.

TEXTBOOK

Keeton, W. T. *Biological Science.* Norton, 1967, New York.

17.121 Biochemistry

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

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

Christensen, H. N., and Palmer, G. A. *Enzyme Kinetics: A Learning Programme.* Saunders, 1967.

Conn, E. E., and Stumpf, P. K. *Outlines of Biochemistry*, 2nd ed. Wiley, 1966.

Harrow, B., and Mazur, A. *Textbook of Biochemistry*, 9th ed. Saunders, 1966.

Loewy, A. G., and Siekevitz, P. *Cell Structure and Function.* Holt, Rinehart and Winston, 1963.

Stephenson, W. K. *Concepts in Biochemistry: A Programmed Text.* Wiley, 1967.

17.221 Microbiology

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.

SCHOOL OF ANATOMY

70.111 Human Anatomy

A horizontally-integrated theoretical and practical course, stressing the structural basis of function. An introduction to systematic anatomy. With the dissection of the upper limb and the early dissection of the head and neck, the microscopic anatomy of cells and tissues and the general aspects of developmental anatomy are considered. Gross cadaveric, living, radiological, microscopic and developmental anatomy are dealt with

pari passu. Further consideration of general anatomy. An integrated study of the gross, dissectional, microscopic, developmental, living and radiological anatomy of the nervous system. A similarly integrated study of the lower limb.

PRELIMINARY READING

Le Gros Clark, W. *The Tissues of the Body*. Oxford University Press, 5th ed., 1965, pp. 423 ($8.55).

TEXTBOOKS

Gardner, E., Gray, D. J. and O'Rahilly, R. *Anatomy, A Regional Study of Human Structure*. W. B. Saunders, Philadelphia, 2nd ed., 1965, pp. 1006 + vii ($17.50).

Williams, P. L., Wendell-Smith, C. P. and Treadgold, S. *Basic Human Embryology*. Pitman, London, 1966, pp. 136 ($4.15).

Everett, N. B. *Functional Neuroanatomy*. Lea and Febiger, Philadelphia, 1965, pp. 420 ($13.20).

Leeson, C. R. and Leeson, T. S. *Histology*. Saunders, 1966, pp. 492 + x ($8.00).

ESSENTIAL EQUIPMENT

Three long white coats exclusively for use in the School of Anatomy.

Instruments: Two pairs of 6″ dissecting forceps.

One disarticulated half-skeleton. This may be purchased through the School of Anatomy by arrangement.

SCHOOL OF MEDICINE

71.111 Introductory Medicine

Lectures and practical work in the wards designed to illustrate the symptomatology of disease, the mode of production of symptoms, the essentials of physical examination.

TEXTBOOKS

Chamberlain, E. Noble. *Symptoms & Signs in Clinical Medicine*. Wright. ($7.90)

Davidson, Sir Stanley. *The Principles & Practice of Medicine*. Livingstone. ($7.00) *and either*

Harrison, T. R. *Principles of Internal Medicine*, 5th ed. McGraw-Hill, 1966, New York ($23.65) *or*

Cecil and Loeb (edited by Beeson & McDermott). *Text Book of Medicine*, 12th ed. Saunders. ($20.80)

Dermatology

Pillsbury, Shelley and Kligman. *Cutaneous Medicine*. Saunders, Philadelphia and London. ($9.50)

71.112 Medicine and Therapeutics

The object of this course is to develop skills in history taking, physical examination, diagnosis and treatment of disease. Equally strong emphasis is placed on the pathologic physiology, the mode of production of symp-

toms and signs and the manner in which these are modified by therapeutic agents. The clinical clerkship is supplemented by a course in clinical laboratory methods, lectures, seminars and tutorials on important topics and attendance at post-mortem examinations. There will be a residency period during which students will be expected to participate as fully as possible in the clinical work of the hospital. The emphasis throughout the course is on insight into the mechanisms of common diseases and the manner in which understanding of the aetiology and treatment of disease is studied. Students will be expected to have a lively interest in the preventative social, environmental, genetic and personality factors in disease processes.

TEXTBOOKS

As for 71.111 Introductory Medicine.

SCHOOL OF PATHOLOGY

72.111 Pathology

Illustrates the principles of pathology, and includes one year of 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.

TEXTBOOKS

G. Payling Wright. *An Introduction to Pathology*. Longmans, 3rd edition. ($9.80)

Humphrey, J. R. and White, R. C. *Immunology for Students of Medicine*. Blackwell, 1963. ($8.35) *and either*

Cappell, D. F. (rev. by). *Muir's Textbook of Pathology*. Arnold, 8th edition. ($17.50) *or*

Boyd, W. *Textbook of Pathology*. Lea and Febiger. 7th edition. ($19.80)

72.091 Clinical Laboratory Methods

Conducted by the School of Pathology in collaboration with other Clinical Schools, and includes 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 anti-coagulant methods, blood grouping and blood transfusion; (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, J. V. *Practical Haematology*. Churchill. ($7.00)

Eastham, R. D. *Biochemical Values in Clinical Medicine*. J. Wright, Bristol.

Stewart, C. P. and Dunlop, D. M. *Clinical Chemistry in Practical Medicine*, Livingstone. ($5.25)

SCHOOL OF PHYSIOLOGY

73.111 Medical Physiology

A combined course in human and general mammalian physiology aimed to emphasise those areas of the subject relevant to the student's subsequent clinical studies. Emphasis is placed on the problems of homeostasis of complex organisms and the consequent demands placed on the transport mechanisms linking cell with environment. The earlier part of the course emphasises the role of these transport systems—the circulation, the respiratory system and the kidney in particular. Subsequently, the problem of control processes and integrated function of the whole organism is considered, and the second portion of the course deals largely with the physiology of the nervous system and the endocrine glands. Additional topics covered, because of their importance in the medical curriculum, include haematology and the digestive system.

TEXTBOOKS

1. Ruch and Patton. *Physiology and Biophysics*. Saunders, 19th ed., 1965, pp. 1242 ($17.00) *or*
   Mountcastle, V. B. *Medical Physiology*, 12th ed. Mosby, 1967, pp. 1339. ($19.00)
2. Ganong. *Review of Medical Physiology*. Lange, 3rd ed., pp. 610 ($8.00)

73.211 Medical Pharmacology

An extension of the application of physiological principles to the study of drugs. Emphasis is placed on the general principles of drug actions and the pharmacodynamics of drugs of clinical importance, but the course in no way attempts to be a course in therapeutics. Topics covered include general principles of drug action on cells common to most drugs, including a study of absorption, distribution, fate and excretion. This is followed by consideration of the more important classes of drugs, including autonomic drugs, cardiac drugs, diuretics and drugs acting on the central nervous system, as well as the principles of chemotherapy and antibiotic drugs. Special lectures are given on pharmacology of hypertension, ocular disorders, asthma, cardiac failure and special problems of the haemopoietic system. The principles of conducting clinical trials are outlined.

TEXTBOOK

Goth. *Medical Pharmacology*. Mosby, 3rd ed., 1966, pp. 668 ($13.75).

SCHOOL OF SURGERY

74.111 Surgery

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

TEXTBOOKS

4th, 5th and 6th YEARS

Bailey, H. *Demonstrations of Physical Signs in Clinical Surgery*. Wright, new edition in preparation ($14.00 approx.) *and either*

Bailey, H. and Love, R. J. McN. *A Short Practice of Surgery*. Lewis, 13th edition, 1965. ($14.70) *or*

Moyer, C., Rhodes, H. E., Allen, J., and Harkins, H. *Surgery: Principles and Practice*. Lippincott, 3rd edition, 1965. ($19.80)

SCHOOL OF OBSTETRICS AND GYNAECOLOGY

75.011 Introductory Obstetrics

In normal obstetrics 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

Abnormal Obstetrics. During the obstetrical and gynaecological term in late fifth year and early sixth year, all students will spend a minimum of five weeks in residence. They will attend daily teaching rounds, outpatient demonstrations, and tutorials. Students will present to, and discuss with, their teachers the clinical features, diagnosis and management of patients in their wards and clinics.

This will be integrated with Medicine and Surgery in the residential term in fifth and sixth years. Of this term of 10 weeks, students will undertake clinical clerking in obstetrics and gynaecology for two weeks.

Gynaecology will be taught concurrently with obstetrics in fifth and sixth 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.

TEXTBOOK FOR GYNAECOLOGY

Jeffcoate, T. N. A. *Principles of Gynaecology*. Butterworth, London, 2nd ed., 1962, pp. 852 ($15.00).

SCHOOL OF PAEDIATRICS

76.111 Paediatrics

Normal growth and development is taught during the first term of fourth year; emotional and physical aspects of development are considered and visits to kindergartens are arranged. In fifth year one term is devoted to paediatric medicine and surgery including studies of social aspects of paediatrics, and the prevention of disease and accidents. There is stress on clinical clerking both on inpatients and outpatients, and approximately one-fifth of the time is spent in residence. During the fifth year there is also an obstetric term and at this time studies in newborn physiology and disease are commenced.

TEXTBOOKS

1. *Growth and Development.*
   Illingworth, R. S. *The Development of the Infant and Young Child: Normal and Abnormal.* Livingstone, 3rd edition, 1966. ($6.00 approx.)
2. *General Paediatrics.*
   Hutchison, J. H. *Practical Paediatric Problems.* Lloyd Luke Medical Books Ltd., 1964, pp. 495. ($8.75)
3. *Paediatric Surgery*
   Nixon, H. H. & O'Donnell, B. *The Essentials of Paediatric Surgery,* Heineman, 2nd edition, 1966. ($7.00 approx.)
4. *Paediatric Psychiatry*
   Lipmann, Hyman. *Treatment of the Child in Emotional Conflict,* 2nd ed. McGraw-Hill, 1962. ($10.00 approx.)

SCHOOL OF PSYCHIATRY

77.111 Psychiatry

A brief introduction to the principles of psychiatry is given in the first term of fourth year. The psychophysiology, epidemiology, aetiology and symptomatology of mental illness are discussed and the common illnesses are illustrated.

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

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

TEXTBOOKS

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

Ulett, G. A., and Goodrich, D. W. *A Synopsis of Contemporary Psychiatry,* 3rd ed. Mosby, 1965, St. Louis, pp. 299. ($7.45)

SCHOOL OF HUMAN GENETICS

78.111 Human Genetics

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

78.112 Human Genetics

To the teaching of human genetics already provided for in the third term of the third year, there will be added ten outpatient tutorial classes, each of one hour's duration, in the third term of sixth year. Tutorials will familiarise students with the clinical aspects of genetic problems and methods of genetic counselling.

TEXTBOOKS (78.111 and 78.112)

Fraser Roberts, J. A. *An Introduction to Medical Genetics*, 4th ed. Oxford U.P., 1967. ($4.00)

Carter, C. C. *Human Heredity*. Penguin Books, 1962. ($0.95)

PUBLIC HEALTH AND SOCIAL MEDICINE

79.111 Public Health and Social Medicine

The public health and social medicine curriculum has 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 equip doctors for a type of medical practice in which account is taken of the physical and social antecedents and accompaniments of disease and the use of social agencies in treatment.

The topics to be treated in detail are:

Introduction to public health and social medicine. The history of modern medicine. Measurment 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. ($12)

DEPARTMENT OF GENERAL STUDIES

11.011H History of Fine Arts

An outline of the development of nineteenth and twentieth-century painting and sculpture. Follows the movements concerned in the development of modern art from the stylistic background of the European tra-

dition to contemporary works. 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 period.

TEXTBOOKS

Lake, C. and Maillard, R. *A Dictionary of Modern Painting*. Methuen, London, 1964.

Newton, E. *European Painting and Sculpture*. Penguin U.K. (Pelican Books A.82)

Read, H. *The Meaning of Art*. Penguin U.K., 1951. (Pelican Books, A213)

11.021H History of Architecture

The role of the architect; architecture as an art, a science, and a practical profession; 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; the development of an Australian idiom in architecture and building.

TEXTBOOKS

Pevsner, Nikolaus. *An Outline of European Architecture*. Pelican Books, London, 1963.

Richards, J. M. *An Introduction to Modern Architecture*. Pelican Books, London, 1963.

Boyd, Robin. *The Walls Around Us*. F. W. Cheshire, Melbourne, 1962.

11.031H History of Fine Arts and Architecture

An introduction to the history and aesthetics of the visual arts of the Western world, i.e. architecture, paintings, sculpture, design and craftsmanship. Lectures are illustrated by slides and films.

26.122 Psychology

The theme of this advanced 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, D. and Crutchfield. *The Individual and Society*. McGraw-Hill, 1962.

Baughman, E. E. and Welsh, G. *Personality, a Behavioural Science*. Prentice-Hall, 1962.

26.151 Economics

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

TEXTBOOKS

Grant, J. McB. and Hagger, A. F. *Economics—An Australian Introduction.* F. W. Cheshire, Melbourne, Canberra, Sydney, 1964 or 1965.

Carter, C. F. *The Science of Wealth.* Edward Arnold (Publishers) Ltd., Oxford, 1963.

26.152 Economics

Follows 26.151 Economics. A more penetrating study of central fields of economic theory and includes such topics as the history of economic thought and different economic systems. Particular attention paid to relating economic theory to such subjects as the population explosion, economic growth, and the role of international trade and economic integration. Further studies of the economic structure and economic policy of Australia.

TEXTBOOKS

Samuelson, P. A. *Economics*, 7th edition. McGraw-Hill. (Available in hard cover and paper back.) *plus*

Study Guide and Workbook to Samuelson.

Gill, R. F. *Evolution of Modern Economics.* Prentice-Hall. 1967.

Fusfeld, D. *The Age of the Economist.* Scott Foresman & Co., 1966.

26.301 Music

A brief survey of music from the earliest times of documented history to the present day in the context of particular societies and periods. Many of the recorded examples used will be European music of a kind normally heard in the concert hall, but wherever possible European art music will be presented in juxtaposition with the practice of traditional or folk music of all continents (including the music of the Australian Aborigine) and with the high art music of Asian countries. Includes continuity of improvisational methods from early periods to the development of jazz, and samples of the latest developments in contemporary music (including electronic music). Musical training is not a prerequisite.

TEXTBOOKS

Covell, R. *Australia's Music: Themes of a New Society.* Sun Books, Melbourne, 1967.

Harman, A. and Mellers, W. *Man and His Music: The Story of Musical Experience in the West.* Barrie and Rockliff, London, 1962.

26.302 Music

The history and influence of musical notation, coupled with the idea of the composer as hero. Opera from Wagner to the present day; twentieth-century music from Debussy to the present day.

TEXTBOOKS

Harman, A., and Mellers, W. *Man and His Music: The Story of Musical Experience in the West.* Barrie and Rockliff, London, 1962.

Covell, R. *Australia's Music: Themes of a New Society.* Sun Books, Melbourne, 1967.

26.501 English

Aims at stimulating an interest in literature through a study of twentieth-century texts having a more or less common theme—"the human condition". The tutorials will be used in the main for an examination of the informative, persuasive, and imaginative uses of the English language, and for group discussions of the set texts.

TEXTBOOKS

Lawrence, D. H. *Sons and Lovers.* Penguin.
Hemingway, Ernest. *A Farewell to Arms.* Penguin.
Camus, Albert. *The Outsider.* Penguin.
Golding, William. *Lord of the Flies.* Penguin.
McCullers, Carson. *The Ballad of the Sad Cafe.* Penguin.
Shaw, Bernard. *Major Barbara.* Penguin.
Williams, Tennessee. *A Streetcar Named Desire.* Penguin.
Williams, Tennessee. *The Glass Menagerie.* Penguin.
Miller, Arthur. *Death of a Salesman.* Penguin.
Three Australian Plays. Penguin.
Bolt, Robert. *A Man for All Seasons.*
Malraux, A. *Man's Estate.*
Warren, Robert Penn, and Erskine, Albert. *Short Story Masterpieces.*
O'Neill, Eugene. *The Emperor Jones.*
All the textbooks are available in Penguin paperback editions, but any complete edition will do.

26.503 English

For students in the Faculty of Medicine. Language and literature. History and development of the English language, and a study of outstanding works of literature of the nineteenth and twentieth centuries.

TEXTBOOKS

Keats, John. *Selected Poems.* Signet Classics.
Eliot, T. S. *Selected Poems.* Faber & Faber.

The following novels in any complete edition. All are available in paperback.

Austen, Jane. *Persuasion.*
Dickens, Charles. *Bleak House.*
James, Henry. *Washington Square.*
Conrad, Joseph. *Nostromo.*
White, Patrick. *The Tree of Man.*

26.511 History—The World in the Twentieth Century

A general study of the main aspects of the world history in the twentieth century. Beginning with a review of a relatively settled world in the 1890s, it covers in particular the causes and effects of the two World Wars, the growth of nationalism and the decline of colonialism, the Russian and Chinese revolution, experiments in international and regional co-operation (League of Nations, UNO, NATO, Colombo Plan, etc.) and the Cold War.

TEXTBOOKS

FitzGerald, C. P. *The Birth of Communist China.* Penguin Books, 1965.
Thomson, David. *England in the Twentieth Century.* Penguin Books, 1965.
Wiskemann, Elizabeth. *Europe of the Dictators 1919-1945.* Fontana

History of Europe, Collins, 1966.
von Laue, T. *Why Lenin? Why Stalin? A Reappraisal of the Russian Revolution 1900-1930.* Lippincott, New York, 1964.
Crozier, Brian. *South East Asia in Turmoil.* Penguin Books, 1966.
Henderson, James L. (ed.). *Since 1945, Aspects of Contemporary World History.* Methuen, 1966.

26.512 **History**—The World Since 1919

Prerequisite 26.511. A survey of events since 1919 to give an historical understanding of the world today. Its main topics are: the Peace Settlement after World War I; the growth of Communist Russia; dictatorship in Europe; U.S.A. between the wars and the abandonment of isolationism; an outline of World War II, its causes and effects; the Cold War; the role of UNO; the changing British Commonwealth; the decline of colonialism; African nationalism; communism in China; and the place of Australia in the modern world.

Snyder, L. L. *The World in the 20th Century.* Anvil Books.
Henderson, J. L. *Since 1945, Aspects of Contemporary World History.* Methuen, 1966.
von Laue, T. *Why Lenin? Why Stalin? A Reappraisal of the Russian Revolution 1900-1930.* Lippincott, New York, 1964.
Sibram, Stuart. *Mao Tse Tung.* Penguin.
Crozier, Brian. *South East Asia in Turmoil.* Penguin Books, 1966.
Davidson, Basil. *Which Way Africa?* Penguin.
Dulles, Foster Rhea. *America's Rise to World Power 1898-1954.* Harper Torch.
Wiskemann, Elizabeth. *Europe of the Dictators 1919-1945.* Fontana Library.

26.521 **Philosophy**

An introduction to formal logic and to problems and methods of philosophy. Elementary logic is taught in tutorial classes where students are encouraged not only to understand formal features of Aristotelian and modern logic, but also to apply what they have learnt to thought and language of the everyday world. Elementary philosophy is taught by means of lectures and tutorials, and deals firstly with the nature and methods of philosophy as contrasted with other forms of inquiry, and secondly with some of the major problems of philosophic interest, such as the relation between language and the world; the nature of knowledge and truth; the concepts of *determinism* and *free-will*; the relation between the mental and the physical parts of Man; and the existence of God.

TEXTBOOKS

Hamblin, C. L. *Elementary Formal Logic.* Hicks Smith.
Hospers, J. *Introduction to Philosophical Analysis.* Routledge and Kegan Paul.

26.522 **Philosophy**

Students who have successfully completed an ordinary elective in philosophy may take an *advanced elective* in Philosophy, in either of two forms.

TEXTBOOK

Syllabus A: Contemporary Philosophy

Passmore, J. A. *A Hundred Years of Philosophy*. 2nd ed. Duckworth, London, 1966.

TEXTBOOK

Syllabus B: Symbolic Logic

Copi, I. M. *Symbolic Logic*. 2nd ed. Macmillan, New York, 1965.

26.531 Sociology

Students may select either Part A or Part B of 53.111 Sociology I.

26.532 Sociology

Students must select two of the specialised topics under Part B of 53.112 Sociology II.

26.541 Political Science

An introduction to the advanced elective, 26.542, and a unit in its own right for students not proceeding further in Political Science.

About ten lectures will be on general questions on politics—what politics is about, the meaning of a political system, concepts such as state, law, government, rights, etc. The remaining twenty lectures will deal with three major political systems—Great Britain, U.S.A., and Australia. Both the common and distinct characteristics of each will be discussed, and these examples will be used to illustrate some general questions about political institutions and ideas.

TEXTBOOKS

Griffith, J. *The Australian System of Government*. University paperback, 1967.

Miller, J. D. B. *The Nature of Politics*. Penguin, 1964.

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

Moodie, G. S. *The Government of Britain*. Methuen, London, 1964. University paperback.

26.542 Political Science

Will be conducted in first and second terms and by following on from 26.541 will extend the student's acquaintance with modern political systems. Three sections, of about twenty lectures each, dealing with (*a*) established communist regimes (U.S.S.R., the East European Peoples' Democracies, and China); (*b*) two Asian political systems; and (*c*) the international political system.

TEXTBOOKS

Schapiro, L. B. *The Government and Politics of the Soviet Union*. Hutchinson University Library, 1965.

Grant, Bruce. *Indonesia*. Penguin, 1966.

Frankel, J. *International Relations*. Oxford, 1964.

Barnett, A. D. *Communist China in Perspective.* Praeger, 1962.
Von der Mehden, F. *Politics of the Developing Nations.* Prentice-Hall, 1964.

26.561 Introduction to French Civilisation

Intensive work in the French language. Aspects of French civilisation (conducted in French). In the treatment of French cultural life, emphasis will be placed on painting and architecture.

TEXTBOOKS

Harrap's Shorter French and English Dictionary (recommended for purchase if possible).
Politzer, R. L., and Hagiwara, M. P. *Active Review of French.* Blaisdell Publishing Co. 1963 Edition.
Brée, G., and Dufau, M. *Voix d'aujourd'hui.* Harcourt, Brace & World.
Michaud, G. *Guide France.* Hachette.
Thoraval, J., et al. *Les Grandes Etapes de la Civilisation française.* Bordas.
Romier, L. *A History of France.* Macmillan, paperback edition.
Gerard, P., and Meras, M. *Cathédrales de France.* Fernand Nathan.

26.562/1 German Literature and Civilisation, Part 1

Conducted in English. General aspects of German civilisation, Johann Wolfgang von Goethe, *Faust I*, Thomas Mann, *Buddenbrooks*, Bertolt Brecht, *Mother Courage* and *Sezuan.*

TEXTBOOKS

Brecht, B. *Plays*, vol. II. Methuen, 1962.
Goethe, J. W. v. *Faust*, Part I. Bantam Classics (Dual Language Edition).
Mann, T. *Buddenbrooks.* Penguin (English Edition).

26.562/2 German Literature and Civilisation, Part 2

Conducted in English. General survey of German literature, Johann Wolfang von Goethe, *Wilhelm Meister* Part I, Franz Kafka, *The Castle*, and Friedrich Dürrenmatt, *Romulus*, and Max Frisch, *The Fire Raisers.*

TEXTBOOKS

Dürrenmatt, F. *Romulus the Great.* Grove Press, 1965.
Frisch, M. *The Fire Raisers.* Methuen, 1962.
Goethe, J. W. v. *Wilhelm Meister's Apprenticeship.* Collier-Macmillan, 1962.
Kafka, F. *The Castle.* Penguin (Modern Classics).

26.563/1 Spanish and Spanish American Literature, Part 1

A selection of modern and contemporary Spanish and Spanish American writers. While these are mostly novelists and dramatists, there is some poetry included (as in case of Lorca) where adequate translations are available.

26.563/2 Spanish and Spanish American Literature, Part 2

The Medieval period in Spain, and the Colonial era in Spanish America. Emphasis is on the short story, the novel and theatre, though some great poetry is included.

26.571 An Introduction to Modern Drama

Considers various styles of drama and their methods of social and personal statement. Emphasis is on contemporary drama; but, to clarify the development of forms of dramatic expression, study is made of peak periods and styles of the past, as well as of theatre and stage design.

Through critical examination of plays in performance at the Old Tote Theatre, students can enjoy direct experience of live theatre. Some use is also made of films and recordings.

Sophocles. *Theban Plays.* Penguin.
Genius of the Early English Theatre (ed. Barnet). Mentor.
Strindberg. *Six Plays* (trans. Sprigge). Doubleday Anchor.
Ibsen. *Last Plays* (trans. Paulson). Bantam.
Chekhov. *Plays.* Penguin.
Sokel (ed.). *Anthology of German Expressionist Drama.* Doubleday Anchor.
Three German Plays. Penguin.
Absurd Drama. Penguin.
New American Drama. Penguin.

Plus other plays to be prescribed.

26.601 History of Technology

Shows 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: Prehistoric Times; the early civilisations of Mesopotamia, Egypt, India, and China; Classical Antiquity; Islamic Times and the Middle Ages; Renaissance and the Age of Enlightenment; and the beginning of the Industrial Revolution.

26.602 History of Technology

(a) Metals in pre-historic times; metallurgy in the ancient civilisations; increased use of metals in the European Middle Ages; China discovers casting of iron; oriental steel refining methods spread to Europe. Renaissance writers on metallurgy stimulate development of ore dressing; furnace design; use of water power for blowers, rolling and drawing mills; steam engine fosters large-scale metal production. Use of mineral coal; steel making in puddle furnace, converters and open-hearth processes; electro-metallurgy.

(b) Domination over matter through energy. Use of animals for traction. Vitruvius on water mills, machine tools and cranes. Windmills in Persia and China, their spread to Europe. Agricola's mining machinery, Branca's steam turbine, Huygen's gunpowder engine. Early steam engines. Stephenson's railway and Fulton's steamship. Otto's and Diesel's combustion engines. Faraday prepares for electric power. Steam turbines, gas turbines, modern water turbines. Atomic energy.