

*Prof White*

THE AUSTRALIAN NATIONAL UNIVERSITY

FACULTY

SCHOOL OF GENERAL STUDIES

HANDBOOK

1962

FACULTY  
HANDBOOK

1962

## INQUIRIES

*All inquiries should be addressed to:*

The Registrar,  
School of General Studies,  
The Australian National University,  
Post Office Box 197,  
Canberra City, A.C.T.

*The telephone number of the Student Administration section,  
which is located in the Childers Street Buildings, is:*

4 0422, extension 2671

*Requests for residential accommodation should be addressed to:*

The Warden,  
Bruce Hall,  
Post Office Box 595,  
Canberra City, A.C.T.

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## INTRODUCTION

### The University

As the result of a new Act which came into force on 30th September, 1960, the Australian National University now has two sections, namely the Institute of Advanced Studies consisting of the four Research Schools which originally made up the University, and the School of General Studies, comprising the Faculties of Arts\*, Economics, Law and Science, which continues the work of the former Canberra University College. The governing body of the University is the Council which includes representatives of the Commonwealth Parliament, Convocation, the staff, students, and members appointed by the Governor-General.

### The School of General Studies

The School of General Studies offers courses leading to degrees in Arts, Economics, Law and Science. These courses provide the basis for a liberal and general education and, in some faculties such as Law, they are designed also as a training for entry into a learned profession. Classes generally are small and this permits more individual instruction than is possible in larger universities. Of special advantage is the presence of Commonwealth Government departments and the Commonwealth National Library which help to make Canberra a particularly suitable centre for studies in Australian history, economics, political science, public administration and statistics. The University also has a School of Oriental Studies\* which has become a major centre in Australia for the study of Asian languages and civilization.

The School of General Studies is responsible for all matters relating to the degrees of Bachelor and Master. Any correspondence concerning these degree courses should be addressed to the Registrar of the School of General Studies.

### Admission and Matriculation

To be eligible for a course leading to a Bachelor's degree, a student must have reached a standard of education which qualifies him to matriculate in the University. A description of the matriculation requirements for students in Australia, overseas students, and persons of mature age, is given in the next section of this handbook.

### Enrolment and Fees

All students must enrol during the period beginning on Monday, 22nd January, and ending on Tuesday, 13th February, 1962. Students awaiting results of examinations must submit provisional enrolments within this period.

All new students, students who wish to alter their courses and students who have failed in one or more units of their courses at the previous examinations, must consult a Student Adviser before enrolling.

Enrolment forms and fees will be received during the enrolment period in the Hall, Childers Street. Second and Third Term lecture fees should be paid on or before the last day of the preceding term at the Fees Section, Childers Street.

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\*The School of Oriental Studies within the Faculty of Arts is to become a Faculty of Oriental Studies in 1962.

## Degrees

The University awards the following degrees:—

Bachelor of Arts (B.A.) .. (Pass Degree or Degree with Honours)  
 Bachelor of Economics (B.Ec.) (Pass Degree or Degree with Honours)  
 Bachelor of Laws (LL.B.) .. (Pass Degree or Degree with Honours)  
 Bachelor of Science (B.Sc.) .. (Pass Degree or Degree with Honours)

Master of Arts (M.A.)  
 Master of Economics (M.Ec.)  
 Master of Laws (LL.M.)  
 Master of Science (M.Sc.)

Doctor of Philosophy (Ph.D.)  
 Doctor of Letters (Litt.D.)  
 Doctor of Laws (LL.D.)  
 Doctor of Science (D.Sc.)

## The Academic Year

The University academic year extends over thirty-three weeks. Term dates for 1962 are as follows:—

*First Term:* 5th March to 12th May  
*Second Term:* 4th June to 4th August  
*Third Term:* 3rd September to 8th December  
*Lectures for the year cease:* 13th October  
*Examinations begin:* 29th October

## Examinations

Students are examined each year in the units for which they have enrolled. Applications to sit for examinations must be lodged with the Student Administration section by the last day of Second Term. Late entries may be accepted, subject to approval of the Faculty, and on payment of the prescribed late fee.

## The Library

The University Library has two main collections—the Library of the Institute of Advanced Studies and the General Studies Library.

The General Studies Library contains some 84,000 books and an adequate collection of periodicals, covering all aspects of the work of the Faculties of Arts, Economics, Law and Science.

## Student Organization

There is an Australian National University Students' Association, membership of which is compulsory for all students enrolled in the School of General Studies. Membership of the Association affords the opportunity to participate in a variety of student clubs and activities. At the beginning of each academic year the Students' Representative Council, which is the executive committee of the Association, organizes an Orientation Week programme to introduce new

students to the University. Students enrolled for the degree of Master automatically become members of the Australian National University Research Students' Association.

### **Student Residence**

Bruce Hall, the University's first hall of residence which opened in 1961, has places for 160 men and women students. The Hall is in the charge of a Warden, assisted by a Deputy Warden and a Sub-Warden.

Applications for residence in Bruce Hall should be made on the prescribed form which is available from the Student Administration section, and should be lodged by 31st October each year. Residence fees for 1962 are set out fully in the next section of the handbook.

Students who would prefer to live elsewhere in Canberra are advised to discuss their accommodation with the Student Administration Section.

### **Scholarships**

The following scholarships are tenable in the School of General Studies: National Undergraduate Scholarships; Commonwealth Scholarships; Canberra Scholarships; New South Wales Department of Education Teachers' College Scholarships; Oriental Studies Scholarships; New South Wales Department of Education Free Places and Commonwealth Public Service Free Places. Awards for students proceeding to higher degrees include Australian National University Research Scholarships, General Motors-Holden's Limited Postgraduate Research Fellowships, and Commonwealth Postgraduate Awards.

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# GENERAL INFORMATION

## THE UNIVERSITY

The University consists of its governing body, its staff and its students. As a teaching and research institution, it is divided into an Institute of Advanced Studies which is concerned with advanced research and the training of students for doctoral degrees, and a School of General Studies which is made up of Faculties (Arts\*, Economics, Law and Science). Each of the Faculties in the School is concerned with the instruction of students for the degrees of Bachelor and Master, and with research and the supervision of candidates for doctoral degrees.

The principal academic body of the School of General Studies is the Board of the School which is responsible to the Council for all academic matters of concern to the School. Under the Board the academic matters of the School are dealt with by the Faculties which have immediate control of such academic matters as the rules for degree courses, syllabuses, prescribed books, etc. Within each Faculty—except the Faculty of Law—there are teaching departments with kindred interests, and the head of each department is responsible for the work of his department.

Each Faculty has a Dean who is the chief executive officer of the Faculty and who can normally act for the Faculty in quite a wide range of matters. The Dean has an assistant, the Sub-Dean, who also acts as a student adviser and who is expert in dealing with the various academic problems with which students are often confronted.

The administration of the University is in the hands of the Vice-Chancellor who is the chief executive officer of the University. Under the Vice-Chancellor is the Principal who is responsible for matters of concern to the School. The day-to-day business of the University is conducted by the Registrar and his staff.

Students should address all inquiries of an official nature through the Registrar of the School of General Studies, but on academic matters they may approach either the Dean or the Sub-Dean or the head of a department (or any member of the lecturing staff on any matter which relates to their courses). The usual approach is to the lecturer or to the head of the department concerned where it is a query about the work in a particular unit of a course; or to the Sub-Dean or the Dean (normally only to the Dean on the advice of the Sub-Dean) on matters which relate to his course as a whole. The Principal or the Vice-Chancellor is normally approached only on vital matters and after the student has stated his problem to the Dean and it has been dealt with by the appropriate Faculty.

Within the Registrar's Office in the School there is a Student Administration section and an inquiry desk at which the day-to-day questions of students are answered.

The University also has a Student Counsellor who is available to advise and counsel students on personal matters.

\* The School of Oriental Studies within the Faculty of Arts is to become a Faculty of Oriental Studies in 1962.

## FUNCTION AND AIMS OF THE UNIVERSITY

In general the function of a university is the theoretical study of general principles. The Faculties of the School of General Studies are concerned with the pursuit of liberal and general knowledge and their courses are designed to promote in a student a spirit of critical appreciation and impartial inquiry and research. In some Faculties the courses offered are designed also as a training for entry to a learned profession.

A university course seeks to introduce the student to new facts and theories and to encourage the student to assess for himself the importance of the facts and the validity of the theories. Some of the facts may be learned by rote but the ability to know which to accept or reject, and the ability to uncover facts which are not given directly by his instructors, will be required of a student if he is to gain the most from his university course. It is in this respect that study in a university differs from study at school.

A student will attend two or three one-hour lectures and a tutorial session of one hour in each unit for which he is enrolled; in certain units there will also be a practical class of three or four hours each week. During these hours of instruction all the ground will not be covered. The student will be expected to read and work by himself and to prepare essays and assignments without assistance. This calls for the maximum of self-reliance on the part of the student and a willingness to discuss with his instructor those parts of the work which he does not understand.

A student will not be subject to the same regular audits by way of tests as he was at school. Even those students who have the ability and the will to work may not succeed unless they are aware of what is expected of them and learn how to organize their time in relation to their work. Each student should make every effort to learn as much as he can about the University generally, the best methods of study, and in particular about the course for which he is enrolled. A careful reading of this handbook will greatly assist the student.

The University offers more than study alone; it allows also for a full development of interests, but the successful student will be the one who learns how much time to give to study and how much to other pursuits.

The University offers some particular advantages to its students. Because of smaller classes, lecturers are able to devote more attention to each student than is possible in larger institutions. In certain subjects also the University offers special advantages: the School of Oriental Studies, which has become a major centre in Australia for the study of Asian languages and civilization, provides courses which are not available in all Australian universities; the student of Australian history is able to draw on the resources of libraries in Canberra, especially the National Library, which has a section rich in Australiana; and with the proximity of Commonwealth Government departments in Canberra, studies in economics, political science, public administration and statistics gain a special significance.

## ADMISSION AND MATRICULATION

To be eligible for admission to a course leading to a Bachelor's degree student must first matriculate in the University. The University will normally permit those students to matriculate who have reached a sufficient standard in the previous education.

The rules governing matriculation are set out below. In general, these rules provide that, to be eligible to matriculate, a student who undertook his secondary schooling in the Australian Capital Territory or in New South Wales must have passed at the one examination the New South Wales Leaving Certificate Examination in English, a mathematics subject or a language other than English, or three other approved subjects, or he must have qualified for matriculation or have been eligible to qualify for matriculation in a university in New South Wales.\*

A student who undertook his secondary schooling in Australia, but outside the Australian Capital Territory and New South Wales, must have qualified for matriculation in a University in the State in which he received his school education.

A student from outside Australia must be qualified for matriculation in a recognized University and, if his native language is other than English, he must satisfy the University of his ability to use and to understand the English language.

A student whose qualifications for matriculation are deficient only in a minor respect may apply to the Registrar of the School of General Studies for special consideration.

The University makes provision for students of mature age who have not reached matriculation standard, but who have shown in their subsequent careers that they have a sufficient educational background to benefit from a university course. A person who has reached the age of twenty-five years or more on 31 December in the year prior to that in which he proposes to come to the University may be admitted to provisional matriculation provided that, by passing a test or tests, he satisfies the University that he has an adequate educational background.

An intending student should make application for admission as a matriculating student at the same time as he submits his application for enrolment. If he has passed the New South Wales Leaving Certificate Examination in November 1958 or earlier, he must support his application with the original copy of the Leaving Certificate. A student who is qualified to matriculate in another university is required to supply official documentary evidence in support of his claim.

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\* From 1st January, 1963, the requirements for matriculation will be amended to provide that a student who undertakes his secondary schooling in the Australian Capital Territory or New South Wales must pass in either the New South Wales Leaving Certificate Examination or the Matriculation Examination of the University of Sydney in English, a language other than English or a mathematics subject, and three other approved subjects. The possession of a matriculation certificate stating that the candidate has qualified for admission to the University of New South Wales or the University of New England or the University of Sydney will not necessarily be accepted if the subjects on which the candidate relies are not substantially the same as those stated under Rule 7 of the Matriculation Rules.

## MATRICULATION RULES

1. Except where otherwise provided in these Rules, these Rules shall come into operation, on the date of commencement of Part II of the *Australian National University Act 1960*.

2. There shall be a Matriculation Roll, which shall be kept by the Registrar.

3. A student who is eligible to matriculate in accordance with these Rules may matriculate by signing the Matriculation Roll and making in the presence of the Registrar or a person determined by the Registrar a declaration in a form prescribed by the Council.

4. A person shall not be enrolled for a course for a degree of Bachelor until he has matriculated or has been granted provisional matriculation.

5. There shall be a Matriculation Committee, which shall consist of such persons as the Board of the School of General Studies appoints.

6. (1) Subject to this rule, a person is eligible to matriculate if—

(a) he has, at the one examination, passed the New South Wales Leaving Certificate Examination in—

(i) English;

(ii) one of the following subjects:—Chinese, Dutch, French, German, Greek, Hebrew, Italian, Japanese, Latin, Mathematics I, Mathematics II, Mathematics III, General Mathematics; and

(iii) three of the following subjects, not including subjects for a pass in which credit is given under the last preceding sub-paragraph:—

Ancient History	Geology
Applied Mathematics	German
Biology	Greek
Botany	Hebrew
Chemistry	Italian
Chinese	Japanese
Combined Physics and Chemistry	Latin
Dutch	Mathematics I
Economics	Mathematics II
French	Mathematics III
General Mathematics	Modern History
Geography	Physics
	Zoology; or

(b) the Matriculation Committee is satisfied that he has matriculated or is eligible for matriculation at, or is a graduate of—

(i) a university situated within Australia; or

(ii) a university situated outside Australia that is approved by the Matriculation Committee.

(2) For the purposes of paragraph (a) of the last preceding sub-rule—

(a) if credit is given for a pass in General Mathematics, credit shall not be given for a pass in Mathematics I or Mathematics II or Mathematics III;

(aa) if credit is given for a pass in Mathematics III, credit shall not be given for a pass in Mathematics I or Mathematics II or General Mathematics;

(b) if credit is given for a pass in Combined Physics and Chemistry, credit shall not be given for a pass in Physics or in Chemistry; and

(c) if credit is given for a pass in Biology, credit shall not be given for a pass in Botany or in Zoology.

(3) The Matriculation Committee may require a person who is eligible to matriculate by virtue of sub-paragraph (ii) of paragraph (b) of sub-rule (1) of this rule and whose native language is a language other than English to satisfy the Committee that he has an adequate knowledge of the English language by passing a test in the English language approved by the Committee.

(4) This rule shall cease to be in operation at the expiration of the thirty-first day of December, One thousand nine hundred and sixty-two.

7. (1) This rule shall come into operation on the first day of January, One thousand nine hundred and sixty-three.

(2) Subject to this rule, a person is eligible to matriculate if he has, at the one examination, passed the New South Wales Leaving Certificate Examination or the University of Sydney Matriculation Examination in—

- (i) English;
- (ii) one of the following subjects:—Chinese, Dutch, French, German, Greek, Hebrew, Italian, Japanese, Latin, Mathematics I, Mathematics II, Mathematics III; (General Mathematics); and
- (iii) three of the following subjects, not including subjects for a pass in which credit is given under the last preceding paragraph:—

Ancient History	Greek
Agriculture	Hebrew
Applied Mathematics	Italian
Biology	Japanese
Botany	Latin
Chemistry	Mathematics I
Chinese	Mathematics II
Combined Physics and Chemistry	Mathematics III
Dutch	Modern History
Economics	Music
French	Physics
General Mathematics	Physiology
Geography	Theory and Practice of Music
Geology	*Zoology
German	

(3) For the purposes of the last preceding sub-rule—

- (a) if credit is given for a pass in General Mathematics, credit shall not be given for a pass in Mathematics I or Mathematics II or Mathematics III;
- (aa) if credit is given for a pass in Mathematics III, credit shall not be given for a pass in Mathematics I or Mathematics II or General Mathematics;
- (b) if credit is given for a pass in Combined Physics and Chemistry, credit shall not be given for a pass in Physics or in Chemistry;
- (c) if credit is given for a pass in Biology, credit shall not be given for a pass in Botany or in Zoology;
- (d) credit shall not be given for a pass in both Music and Theory and Practice of Music; and
- (e) a person who has presented himself for the New South Wales Leaving Certificate Examination in not less than five subjects specified in the last preceding sub-rule and has passed in English and any other three of those subjects is eligible to matriculate if—
  - (i) he is awarded passes classified as "A." standard or passes with Honours in at least three of those four subjects; or
  - (ii) he is awarded passes with Honours in at least two of those four subjects.

(4) A person is eligible to matriculate if he is a graduate of another university or institution approved by the Matriculation Committee.

(5) A person is eligible to matriculate if—

- (a) he is matriculated at or qualified to matriculate at another university or institution approved by the Matriculation Committee, and
- (b) the Matriculation Committee is satisfied that the particular conditions for Matriculation at that university on which the applicant relies are substantially similar to those provided by sub-rules (2) and (3) of this rule.

8. (1) A person who is not eligible for matriculation in accordance with the preceding provisions of these Rules may make an application for matriculation to the Matriculation Committee.

(2) If the Matriculation Committee is satisfied that an applicant has attained an adequate educational standard he shall be deemed to be eligible to matriculate and permitted to sign the matriculation roll.

\* Zoology: not available after 1962.

(3) For the purposes of this rule, the Matriculation Committee shall accept a person as having attained an adequate educational standard who has completed satisfactorily—

- (a) the first year of the course in the Royal Military College of Australia;
- (b) the first year of the course in the Royal Australian Air Force College; or
- (c) the Passing-Out Examination of the Royal Australian Naval College.

9. (1) A person who is not otherwise eligible to matriculate and who will have attained the age of twenty-five years by the thirty-first day of December in the year immediately preceding the year in which he proposes to enrol at the University may apply to the Matriculation Committee for admission to provisional matriculation.

(2) A person making such an application may be required to pass a special test or tests determined by the Matriculation Committee and, if he satisfies the Committee that he has a reasonable prospect of success in the course for which he proposes to enrol, he may be admitted by the Matriculation Committee to provisional matriculation.

(3) A person who, after being admitted to provisional matriculation, has—

- (a) by the end of his first year if he is, in the opinion of the Matriculation Committee, substantially a full-time student, or
- (b) by the end of his second year in any other case,

passed in two units or subjects approved by the Matriculation Committee, is eligible for matriculation and, upon matriculating, shall be given credit for the units passed by him between the date on which he was admitted to provisional matriculation and the date on which he matriculated.

(4) The Matriculation Committee shall cancel the admission to provisional matriculation of a person who fails to become eligible for matriculation in accordance with the last preceding sub-rule, and a person whose admission to provisional matriculation is so cancelled shall not again be admitted to provisional matriculation except in special circumstances with the approval of the Board of the School of General Studies.

10. A matriculated student of the University of Melbourne enrolled at the Canberra University College at the date of commencement of these Rules is, if he intends to proceed to a degree of The Australian National University, required to matriculate at The Australian National University.

### ADMISSION TO STATUS

A person who has been in attendance at another university must supply to the Registrar full details of his previous academic record when applying for admission to a course.

The Faculty concerned will determine under what conditions admission will be granted having in mind the merits of the particular application.

Applications for admission to status should be made on the appropriate form.

### ENROLMENT AND FEES

All students, whether or not they are responsible for payment of their own fees, must enrol at the Student Administration section *not later than Tuesday, 13th February, 1962.*

Students who sat for the New South Wales Leaving Certificate Examination in November, 1961, should enrol as soon as possible after the publication of their examination results. Those students who failed to qualify for matriculation at the Leaving Certificate Examination and who intend to attempt the University of Sydney Matriculation Examination in February, 1962, should submit a provisional enrolment before Tuesday, 13th February, 1962. Late enrolments will be received up to and including Friday, 24th February, subject to the payment of a late fee of £2. After this date enrolments will be accepted only in special circumstances with the approval of the Principal and subject to the late fee of £2.

*First year students* (including new students, students repeating a year and students transferring from one degree course to another) should

- (a) complete the Faculty course card obtainable either from the Student Administration section or from the Faculty;
- (b) arrange for an appointment with the appropriate Faculty Student Adviser to discuss the proposed course; and
- (c) lodge a copy of the Faculty course card (approved by the Student Adviser) with the Enrolment Officer in the Hall, Childers Street, and complete all other enrolment formalities. Except where a student holds a scholarship or similar award, fees must be paid at time of enrolment.

*Second and later year students* will be divided into two categories:

- (i) students who, having passed all units at the 1961 annual examination, are enrolling in accordance with an *approved* course;
- (ii) students who failed in any unit at the 1961 annual examination or who wish to alter their approved course.

Students in category (i) will enrol by completing the enrolment forms at the Hall, Childers Street. Except where a student holds a scholarship or similar award fees must be paid at time of enrolment.

Students in category (ii) are required to be interviewed by a Faculty Student Adviser and have the revised course approved before completing the formalities of enrolment.

#### CHANGE OF ENROLMENT

Students who wish to change from one Faculty to another must make written application to do so. The Faculty has the right to refuse admission or to impose conditions on the student where there is evidence of a previous unsatisfactory record. Students wishing to alter their courses must obtain the approval of the appropriate Faculty Student Adviser.

#### STUDENT ADVISERS

<i>Arts:</i>	Dr. E. C. Fry	Department of History, 2nd Floor, Haydon-Allen Building
<i>Economics:</i>	Dr. K. Sloane	Department of Economics, "D" Block, Childers Street Buildings
<i>Law:</i>	Mr. H. Tarlo	Faculty of Law, "F" Block, Childers Street Buildings
<i>Science:</i>	Dr. W. L. Nicholas	Department of Zoology, adjacent to Central Administration

Student Advisers will be available for consultation from Monday, 22nd January until Tuesday, 13th February and after that period by appointment only.

## PAYMENT OF FEES

The following fees must be paid at the time of enrolment by students not in receipt of any scholarship benefits:—

First Term unit/subject fees ..	Refer to the schedule below for details.
Students' Association fee .. .. .	£2 0s. 0d.
Matriculation or status fee (paid by students enrolling for a degree course for the first time) .. .. .	£2 2s. 0d.

Second and Third Term unit/subject fees must be paid by the last day of the preceding term. A student who fails to pay fees by the due date will be informed by certified mail that outstanding fees, including a late fee of £2, must be paid within ten days. If payment is not received within ten days the enrolment for the year will be cancelled and the student so informed. A student will *not* be permitted to proceed with his course or to sit for the examinations in that year unless he receives the permission of the Registrar to re-enrol and pays a re-enrolment fee of £10, in addition to normal fees for the course and the late fee of £2.

*Accounts for fees are not sent to students*

Students holding scholarships are required to produce an enrolment voucher at the time of enrolment.

## SCHEDULE OF FEES—1962

LECTURE FEES—	£	s.	d.
Arts Degree Units .. .. .	27	0	0 per unit
Fourth Honours Year .. .. .	81	0	0 inclusive
Economics Degree Units .. .. .	27	0	0 per unit
Fourth Honours Year .. .. .	81	0	0 inclusive
Science Degree Units:			
First Year:			
Botany I, Chemistry I, Geology I, Physics I, Zoology I ..	27	0	0 per unit
Second Year:			
Botany II, Chemistry II, Geology II, Physics II, Zoology II ..	54	0	0 per unit
Third Year:			
Botany III, Geology III, Zoology III, Chemistry IIIA ..	54	0	0 per unit
Chemistry IIIB, Physics III, Theoretical Physics ..	81	0	0 inclusive
Fourth Honours Year .. .. .	81	0	0 inclusive
Science Language (German or Russian) (No charge for degree students) .. .. .	10	10	0
Law Degree Subjects:			
First Year:			
Contracts, Introduction to Legal Method, Legal History, Australian History, Logic and Scientific Method, Political Science I, Problems of Philosophy .. .. .	27	0	0 per subject
Second Year:			
Remedies .. .. .	12	0	0
Constitutional Law I, Criminal Law, Property I, Torts ..	21	0	0 per subject
Third and Fourth Years:			
Evidence, Succession .. .. .	12	0	0 per subject
Company Law, Comparative Law, Conflict of Laws, Constitutional Law II, Domestic Relations, Industrial Law, Jurisprudence, Mercantile Law, Property II, Public International Law, Taxation, Trusts .. .. .	18	0	0 per subject



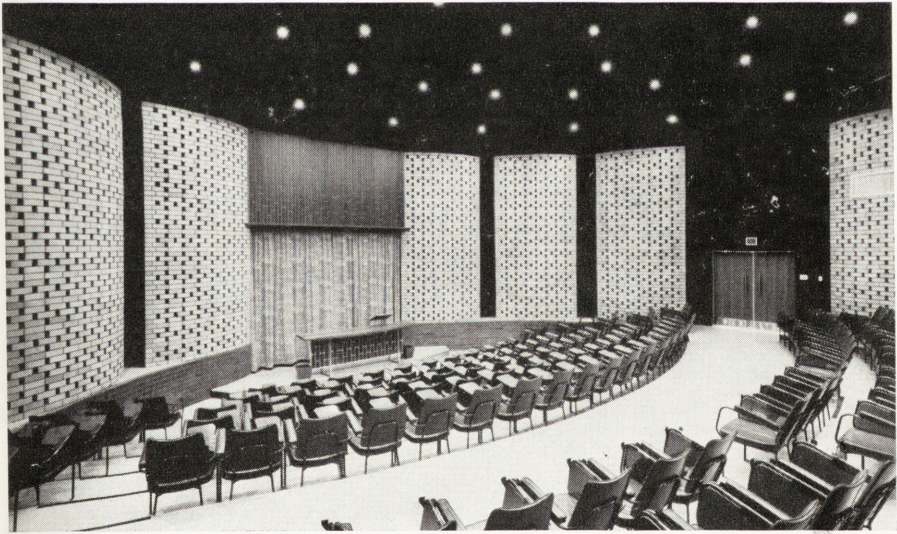
## SCHEDULE OF FEES—CONTINUED

<b>HIGHER DEGREES—</b>		
Master of Arts, Master of Economics, Master of Laws—		
For the course leading to the Preliminary or Qualifying Examination		£30 to be paid on registration
Supervision of thesis	.. .. .	£30
Examination of thesis fee	.. .. .	£10
Master of Science—		
For the course leading to the degree		£30 per annum with a maximum payment of £600
Examination of Thesis fee	.. .. .	£10
<b>PRELIMINARY LANGUAGE UNITS—</b>		
Greek or Latin	.. .. .	£ s. d. 13 10 0
<b>SPECIAL COURSES—</b>		
One lecture per week	.. .. .	4 10 0
Two lectures per week	.. .. .	9 0 0
Three or more lectures per week	.. .. .	13 10 0
Patent Law	.. .. .	12 0 0
<b>NON-DEGREE ENROLMENTS—</b>		
Students pay the full fees applicable to degree courses.		
<b>DEGREE FEES—</b>		
For the Bachelor's Degree	.. .. .	£ s. d. 10 10 0
For the Master's Degree	.. .. .	5 0 0
<b>OTHER COMPULSORY FEES—</b>		
Matriculation or Status Fee	.. .. .	2 2 0
Students' Association Fee:		
Examination Students	.. .. .	2 0 0
Non-examination students	.. .. .	1 0 0
<b>SUNDRY FEES—</b>		
Certificate Fee	.. .. .	10 0
Late Fees:		
Late lodgement of enrolment	.. .. .	2 0 0
Late payment of fees	.. .. .	2 0 0
Late lodgement of examination entry	.. .. .	1 0 0

## HAYDON-ALLEN BUILDING



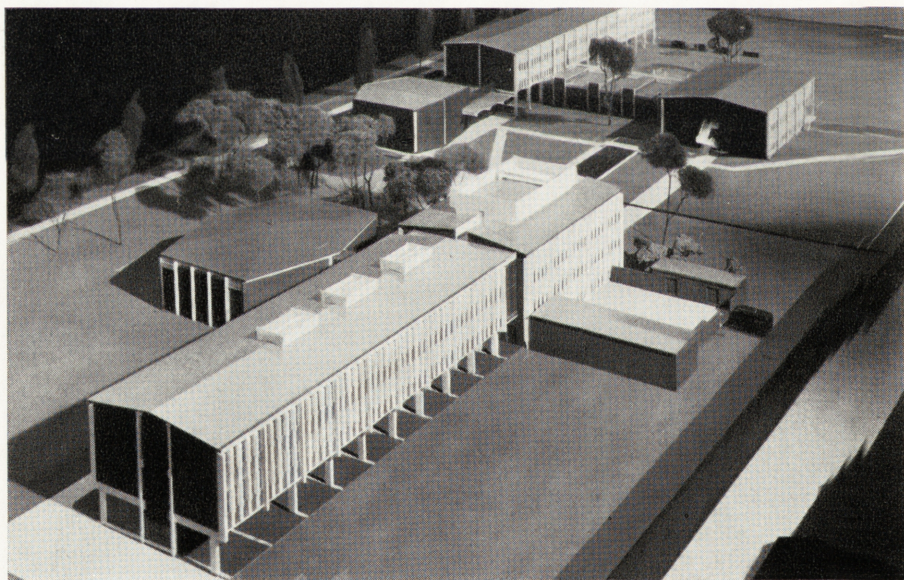
(Above) A view of the Haydon-Allen Building from Kingsley Street. This building accommodates the Departments of Modern Languages and Philosophy (first floor) and Classics, English, History and Mathematics (second floor). Main lecture rooms are on the ground floor; smaller classrooms and seminar rooms are on the upper floors. (Below) The circular lecture theatre, seating 172.



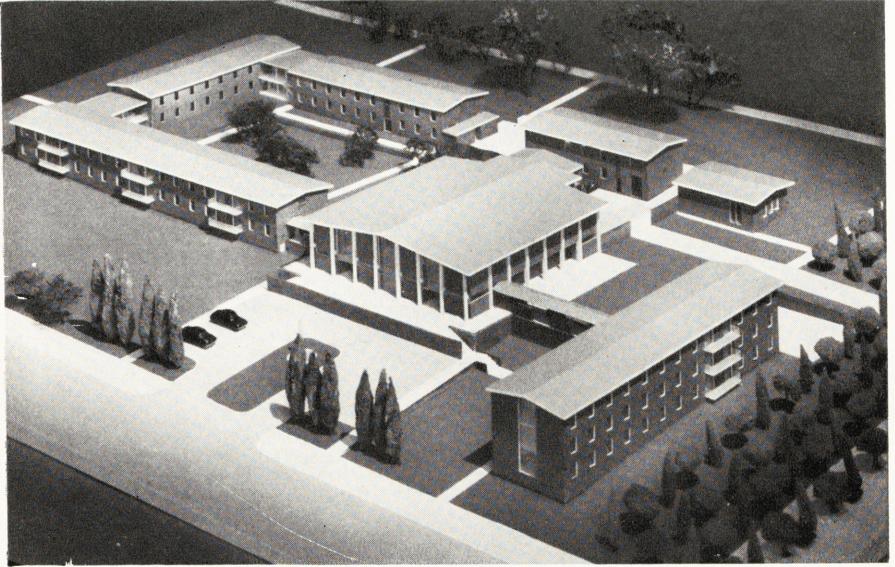
## SCIENCE BUILDINGS



(Above) The main block of the new Physics Building which accommodates the Departments of Physics, Geology and Psychology. (Below) A model of the Chemistry Building, now under construction, showing its relation to the Physics Building (in the background). Buildings have been designed for the Departments of Geology and Zoology. In addition to providing for undergraduate teaching, the Science buildings will have substantial research facilities for postgraduate work.



## BRUCE HALL



(Above) This model gives an impression of the layout of Bruce Hall, the University's first hall of residence which was opened in 1961. The Hall, which occupies one of the finest sites in Canberra, provides comfortable, pleasantly furnished accommodation for 160 men and women students. The central building of Bruce Hall contains the dining hall (below), the main common rooms, a library, a games room, a music room and a record playing room.



## TEMPORARY BUILDINGS



Several departments in the School of General Studies, and the General Studies Library, are at present located in temporary buildings. (*Above*) The periodicals room of the General Studies Library in Childers Street and (*below*) one of the Chemistry laboratories in the temporary Science Buildings. A permanent Library building has been designed and construction is expected to begin early in 1962. A University Union building and the preparation of sports areas have high priority in the development programme.



## DEGREE COURSES

The degree courses available in the University are described fully in later sections of this handbook under respective faculty headings. The degrees are briefly described below.

## DEFINITIONS

The descriptions contain references to certain terms which it will be helpful to define here. They are as follows:—

A *unit* is a year's work in a subject, such as English Literature I or Psychology II or French III.

A *subject* is a field of study, such as Economics or Chemistry.

A *course* is an arrangement of units which qualifies a student to proceed to a degree.

A *major* is a sequence of three years' study in a subject, such as Chinese I, Chinese II, Chinese III. Not all majors are numbered in this way; Problems of Philosophy, Logic and Scientific Method, and History of Philosophy, for instance, make up a major.

A *sub-major* is a sequence of two years' study in a subject, such as Economic History I and Economic History II.

A *single unit* is one year's study in a subject, such as Australian Literature.

## BACHELOR OF ARTS (B.A.)

*Pass Degree:* The course for this degree extends over at least three years of full-time study, during which a student must pass examinations in ten units chosen from the fields of classics, economic history, economics, English, geography, history, mathematics, modern languages, oriental studies, philosophy, political science, psychology and statistics. Up to two Science units may also be included in an Arts course. Part-time students normally spread their studies over a period of five years.

*Degree with Honours:* This course extends over at least four years of full-time study and is designed to enable a student to make a more specialized study of one subject or group of subjects and to give him more training in independent investigation. Before enrolling, intending honours students are required to consult with the Head of the Department responsible for the subject in which they propose to take honours.

## BACHELOR OF ECONOMICS (B.EC.)

*Pass Degree:* The ten-unit course for the Pass Degree of Bachelor of Economics is normally completed in three years, but part-time students normally spread their studies over a period of five years. There are seven compulsory units, consisting of a major in Economics, a sub-major in Political Science, Statistics I, and either Economic History I or Public Finance. A special course is arranged for those students majoring in Statistics. The remaining units may be selected from within the Faculty of Economics or from another Faculty in accordance with the regulations of the Faculty concerned.

*Degree with Honours:* This course extends over at least four years of full-time study. In the first three years a student takes the pass course with additional distinction work, and in the fourth year he specializes in one of the four subjects of the Faculty: Economic History, Economics, Political Science or Statistics.

## BACHELOR OF LAWS (LL.B.)

*Pass Degree:* This course includes twenty-one subjects of which up to six may be counted in the course for the Degree of Bachelor of Arts. Full-time Law

students usually take four subjects in the first year, five subjects in the second year, six subjects in the third year and six in the fourth year. Part-time student extend their studies over a longer period.

*Degree with Honours:* This degree may be awarded to a student who has completed the course for the Pass Degree and who obtains honours at a Final Honour Examination.

#### BACHELOR OF SCIENCE (B.SC.)

*Pass Degree:* The Pass Degree course in Science normally takes three years of full-time study. The course must contain at least eight units, of which four are usually taken in the first year, two (or three) in the second year and two in the third year. Students may select units offered by the following departments: Botany, Chemistry, Geology, Mathematics (pure or applied), Physics, Psychology, Statistics and Zoology.

*Degree with Honours:* A student who has completed the requirements for the Pass Degree and has reached a satisfactory standard in the third year unit of the subject in which he proposes to specialize may, with the approval of the Faculty, proceed to the Degree with Honours. The honours year consists of advanced work in the selected subject.

#### MASTER OF ARTS (M.A.)

In order to be admitted as a candidate for the Degree of Master of Arts, a student must have completed either (a) the course for the Degree of Bachelor of Arts with Honours or (b) the course for the Pass Degree of Bachelor of Arts. A student in category (b) must also have pursued further studies in the University for at least two years and have passed a qualifying examination.

Having been admitted as a candidate for this degree, a student must undertake study as prescribed by the head of the department concerned for at least one year as a full-time student and must either submit a satisfactory thesis or pass prescribed examinations, or both.

A candidate must enrol at the beginning of each year, both during the period leading up to the qualifying examination and during his candidature for the degree.

#### MASTER OF ECONOMICS (M.EC.)

In order to be admitted as a candidate for the Degree of Master of Economics, a student must have completed either (a) the course for the Degree of Bachelor of Economics with Honours (First Class or Second Class Division A) or (b) the course for the Degree of Bachelor of Economics with a lower grade of honours or the Pass Degree. A student in category (b) must also have pursued studies in the University for either one or two years as prescribed by the head of the department concerned, and have passed a preliminary examination.

Having been admitted as a candidate for the degree, a student must undertake study as prescribed by the head of the department concerned for a period of at least one year as a full-time student and must present a satisfactory thesis on a topic approved by the Faculty of Economics. A candidate may also be required to undergo an oral examination on the subject of his thesis.

A candidate must enrol at the beginning of each year, both during the period leading up to the preliminary examination and during his candidature for the degree.

### MASTER OF LAWS (LL.M)

To be admitted as a candidate for the Degree of Master of Laws, a student must have completed either the course for the Degree of Bachelor of Laws with Honours or the course for the Pass Degree of Bachelor of Laws, or be a qualified legal practitioner who has satisfied the Faculty of Law of his ability to pursue the studies for the degree by passing a preliminary examination.

Having been admitted as a candidate for the degree, a student must undertake full-time study for at least one year and submit a satisfactory thesis on a topic approved by the Faculty of Law. A candidate may also be examined orally on the subject of his thesis.

### MASTER OF SCIENCE (M.Sc.)

To be admitted as a candidate for the Degree of Master of Science, a student must have qualified for the Pass Degree of Bachelor of Science.

Having been admitted as a candidate for the degree, a candidate who has qualified for the Degree with Honours shall pursue a course extending over at least one year of full-time research and a candidate who has qualified for the Pass Degree shall pursue a course extending over at least two years of research. In each case the course of research shall be as prescribed by the head of the department concerned and shall be carried out under the supervision of a person appointed by the Faculty.

The candidate shall submit a satisfactory thesis; pass in any unit prescribed by the head of the department concerned; and pass a prescribed test in a language determined by the department concerned.

### DOCTOR OF PHILOSOPHY (Ph.D)

The University undertakes the research training of graduate students for the Degree of Doctor of Philosophy and candidates for this degree may undertake their research within one of the Research Schools of the Institute of Advanced Studies or within one of the Faculties of the School of General Studies. A candidate must be an honours graduate of a recognized university.

The course for the Degree of Doctor of Philosophy extends over three years although, in special cases, this may be shortened to a minimum of two years or lengthened to a maximum of four years. With certain exceptions covering field work and work at other institutions, candidates are required to be in attendance at the University for not less than 40 weeks and not more than 46 weeks a year.

Candidates are required to prepare a thesis based upon research work conducted under the direction of a supervisor. Examination for the degree is primarily an examination of a thesis; a written examination may be required.

### HIGHER DEGREES

The degrees of Doctor of Letters, Doctor of Laws and Doctor of Science are also awarded by the University.

### DIPLOMA IN PUBLIC ADMINISTRATION

The Diploma in Public Administration is available only to those students of the former Canberra University College who, prior to 1961, had enrolled for, and received credit for some units towards, the Diploma in Public Administration.



## NON-DEGREE STUDENTS.

Any person who, in the opinion of the Dean or the Sub-Dean of the Faculty concerned, is competent to undertake the work, may be permitted to enrol for a unit or subject, upon complying with the usual enrolment conditions and paying the prescribed fees. In determining whether approval should be granted the Dean or the Sub-Dean will consult the head of the department concerned.

Non-degree students enrolled for any course will be entitled to the same privileges, other than qualification to proceed to a degree, and will be subject to the same discipline and obligations as apply to students proceeding to a degree. Except in special circumstances, a person who does not enrol for the purposes of a degree in accordance with the rules relating to that degree will be regarded as a non-degree student and may not receive credit towards a degree for any units or subjects passed as a non-degree student.

## CREDITS FOR COURSES OF STUDY

The University will ensure that a student of the former Canberra University College who enrolled for a degree or diploma of the University of Melbourne prior to 1961 will receive full credit for work completed towards the Melbourne degree. The University will ensure also that the least possible change is made in the content of that part of the student's course which remains to complete a degree. The rules governing these transition arrangements are set out below.

## CREDITS FOR COURSES OF STUDY RULES

1. These Rules shall come into operation on the first day of January, One thousand nine hundred and sixty-one.

2. These Rules apply notwithstanding anything contained in any Courses of Study Rules.

3. (1) A student who, at any time before the commencement of these Rules, was enrolled at the Canberra University College for a course leading to a degree or diploma of or in the University of Melbourne may enrol for a course leading to the degree or diploma of the same name of The Australian National University except that a student who was so enrolled for a course leading to the degree of Bachelor of Commerce or Master of Commerce of the University of Melbourne may enrol for a course leading to the degree of Bachelor of Economics or Master of Economics of The Australian National University, as the case may be.

(2) A student referred to in the last preceding sub-rule who enrolls in pursuance of that sub-rule for a course leading to a degree or diploma of The Australian National University—

(a) shall receive credit towards the degree or diploma of The Australian National University for those units or subjects for which he had received credit towards the degree or diploma of the University of Melbourne; or

(b) shall be granted such status towards the degree or diploma of The Australian National University as he had received towards the degree or diploma of the University of Melbourne.

(3) A student referred to in sub-rule (1) of this rule who enrolls in pursuance of that sub-rule for a degree of Bachelor or a diploma of The Australian National University shall not be required to obtain credit for a greater number of units or subjects for the purpose of completing the requirements for that degree or diploma than he would have been required to obtain if he had proceeded to the degree or diploma of the University of Melbourne.

(4) A student referred to in sub-rule (1) of this rule who enrolls in pursuance of that sub-rule for a degree of Master of The Australian National University shall not be required to perform more work for the purpose of completing the requirements for that degree than he would have been required to perform if he had proceeded to the degree of the University of Melbourne.

(5) Subject to this rule, the course leading to a degree or diploma of The Australian National University for which a student referred to in sub-rule (1) of this rule enrolls in pursuance of that sub-rule shall be a course approved by the appropriate Faculty in the School of General Studies.

4. Except as provided by the last preceding rule, a student to whom that rule applies who enrolls for a course leading to a degree or diploma of The Australian National University shall comply with the Courses of Study Rules that apply in relation to that degree or diploma.

## THE ACADEMIC YEAR

The University academic year extends over thirty-three weeks, divided into three terms.

For the first year student the year begins with an introductory week—"Orientation Week". This week is followed by first term extending over ten weeks; there follows a three weeks vacation after which a second term of nine weeks, a further vacation of four weeks, and a third term of fourteen weeks, which includes the annual examination; then follows the long vacation of twelve weeks, before the beginning of the next academic year.

Students will find the vacation periods provide an excellent opportunity for reviewing the work done during term and for reading more widely; this is especially so in the long vacation when a student is expected to do the preliminary reading for the courses which are to be given in following academic year.

The dates of terms and vacations for 1962 are as follows:—

- First Term:* Monday, 5th March to Saturday, 12th May
- Second Term:* Monday, 4th June to Saturday, 4th August
- Third Term:* Monday, 3rd September to Saturday, 8th December

## ANNUAL EXAMINATIONS

### EXAMINATION ENTRIES

All students enrolled in the School for a degree course or for single units are expected, except where otherwise stated, to sit for degree examinations which are held during the Third Term of each year. The initial act of enrolling does not automatically entitle a student to sit for the Annual Examinations. Students must lodge an examination entry on a prescribed form at the Student Administration section on or before the last day of Second Term. No entry fee is payable. In certain circumstances late entries may be accepted subject to the payment of a late fee.

A student may be excluded from sitting for an examination if he has not attended lectures or performed practical or other work as prescribed by the department concerned.

### EXAMINATION TIMETABLE

A preliminary timetable, in draft form, will be posted on the Official Notice Board located outside the Student Administration section as soon as possible after the commencement of Third Term. This timetable is subject to alteration and any clashes or inconsistencies should be reported to the Examination Section of Student Administration. A final timetable will be posted on the Official Notice Board during the first week of October, and a copy will be available for each candidate on application to the Student Administration section.

## EXAMINATION RESULTS

Students are reminded that examination results are determined not only on their performance at written examinations but also on the satisfactory completion of essays, class exercises and practical work as prescribed by the department concerned.

Examination results will be posted on the Official Notice board and published in "The Canberra Times" as soon as possible after the conclusion of the examination period.

## CONFERRING OF DEGREES OR DIPLOMAS

Candidates who complete a course for a degree or diploma at the Annual Examinations must make application for the degree or diploma to be conferred at the Annual Conferring of Degrees Ceremony. Application forms are available from the Student Administration Section and must be lodged together with the prescribed fee by the third Tuesday in January.

## THE LIBRARY

The University Library has two main collections—the Library of the Institute of Advanced Studies and the General Studies Library.

The General Studies Library is a carefully selected collection of some 84,000 books and an adequate collection of periodicals which cover all the aspects of the work of the Faculties of Arts, Economics, Law and Science. With the exception of the Oriental collection, which is primarily a research collection supplemented by material on long-term loan from the National Library, the library holdings have largely been selected to meet the needs of undergraduates in the existing faculties, though increasing emphasis is being placed on developing bibliographical resources and research material in the humanities.

The Library provides the quiet atmosphere, comfortable accommodation and necessary books to enable a student to pursue his studies. Provided he observes the rules of the Library, a student may refer to any of the books in the Library or borrow almost any of them, and he may use the Library as his study centre. With the permission of the Librarian, a student may take his own books into the Library and use them there.

All students, particularly those in Arts, Economics and Law, will find that in the course of their studies they will spend a considerable amount of their time in the Library. It is therefore vital that a student should understand how the Library works so that he may use it to the best advantage.

During Orientation Week the Librarian arranges for new students to be instructed in the use of the Library. A leaflet of instructions on how to use the Library is available from the circulation desk in the Library.

A student may not count his university education to be complete unless he has, by the end of his course, acquired an intimate knowledge of the services which a library offers and an ability to use these services with profit.

The Library is open during the following hours:—

Monday to Thursday	9.00 a.m. to 10.45 p.m.
Friday	9.00 a.m. to 7.00 p.m.
Saturday	9.30 a.m. to 12.30 p.m. and 2 to 6 p.m.

In the Oriental Section of the Library the hours are as follows:—

Monday to Friday	9.00 a.m. to 5.30 p.m.
Saturday	9.30 a.m. to 12.30 p.m.

If a student wishes to refer to or borrow a book which is not held, the Library will attempt to secure the book on loan from another library, either in Canberra or elsewhere in Australia.

The Library of the Institute is a special collection of books for the use of research workers and research students in the Institute of Advanced Studies. Its books will not normally be required by students in the School of General Studies but students in honours courses or for higher degrees, by arrangement with the Librarian, will be able to have recourse to books from the Library of the Institute.

### STUDENT ORGANIZATION

In addition to the formal courses of study there are opportunities for the student to be active in cultural, social, religious, and student-political groups.

A student who is proceeding to a degree, or who is enrolled for a unit for which the School of General Studies is responsible, must become a member of the Australian National University Students' Association. The membership fee is £2. (Students enrolled for the degree of Master automatically become members of the Australian National University Research Students' Association.)

The Association affords a recognised means of communication between the students and the various other sections of the University, including the Council. It aims to promote the welfare of the student body in social life and sport and encourages and actively supports student clubs and societies such as the Dramatic Society, the Law Society, the Student Christian Movement, the Newman Society, the Film Society, the Debating Club, the Arts Society, etc.

The Association, through its Sports Council, also supports and encourages sporting clubs.

The extra-curricula aspects of student life are centred in the Students' Common Room which provides some amenities for leisure time activities. Attached to the Common Room is a Buttery which provides morning and afternoon teas.

The Students' Representative Council is a small body of students elected from and by the members of the Students' Association. It acts on behalf of the Students' Association in all matters. It aims to maintain the place of student-organized activities in the School of General Studies and seeks to improve living and working conditions for the students generally.

At the beginning of each academic year, the Students' Representative Council organizes an Orientation Week programme which is designed to introduce new students to the University. It also arranges for the periodical publication of a student newspaper, "*Woroni*", which is staffed and managed by students.

The Students' Association is a constituent member of the National Union of Australian University Students, a union which brings student representatives of all Australian universities together to discuss matters of common interest.

## STUDENT RESIDENCE

It is generally recognized that a student who has spent some time in a university hall of residence or residential college has had, during his period of residence, an unequalled opportunity to benefit from his association with the university.

In a hall, a student is brought into close contact with his fellow students, many of whom are doing courses which are quite different from his own. It has been said that, in terms of general education, a university student gains as much from living with other students as he gains from his formal university course. A hall also provides accommodation which is specially designed to meet the needs of a student.

Bruce Hall, which opened in 1961, has single study-bedrooms for 110 men and 50 women students. The Hall is in the charge of a Warden, assisted by Sub-wardens for both men and women students.

The residence fees, exclusive of vacations, payable at the Hall of Residence in 1962 will be as follows:—

<i>First Term:</i>	£90 reducible to £85 if paid within seven days of the commencement of term; or £47 10s. reducible to £45 if paid within seven days of the commencement of the term or half term.
<i>Second Term:</i>	£75 reducible to £70 if paid within seven days of the commencement of the term; or £40 reducible to £37 10s. if paid within seven days of the commencement of the term or half term.
<i>Third Term:</i>	£90 reducible to £85 if paid within seven days of the commencement of the term; or £47 10s. reducible to £45 if paid within seven days of the commencement of the term or half term.

In addition, on first accepting a place at Bruce Hall, a registration fee of £5, and a deposit of £10 (which is returnable on finally leaving the Hall) are required. Students re-admitted to Bruce Hall will be required to pay an advance of £15 on their residence fees for the First Term, the payment to be made not later than 15th January, 1962.

Residence fees become due and payable on the first day of each period and must be paid within two weeks of the commencement of each period. The Registrar of the School of General Studies may approve payment of fees by the half term, or by instalments in case of need.

Students given permission by the Warden to enter before or leave after the term dates, will be charged at the rate of £1 2s. 6d. per day.

Residents of Bruce Hall are required to become members of the Junior Common Room. The membership fee of £3 may be paid by terminal instalments.

Applications for admission to Bruce Hall should be made to the Warden on the prescribed form which is available from him or from the Student Administration Section. Applications should be lodged by 31st October each year.

## RESPONSIBILITIES OF A STUDENT

### DISCIPLINE

Upon enrolling in the School of General Studies a student will sign a declaration that he will observe the Statutes and Rules of the University and the directions of the constituted authorities of the University.

Students will be expected to observe the terms of this declaration and the University may refuse to admit to lectures for such periods as it thinks fit any student who commits any serious breach of discipline. No part of any lecture fees paid will be returned to a student who has been excluded from lectures.

Where the Vice-Chancellor is satisfied that a student is in default of an obligation to the University, a certificate in writing to that effect will be issued to the student and a degree shall not be conferred upon a student while this certificate is in force. A student may appeal in writing to have this certificate revoked, such an appeal to reach the Registrar within six months of the certificate being issued.

### ACADEMIC PROGRESS

Rules dealing with the academic progress of students are in the course of preparation. Students enrolling in 1962 are advised to make themselves conversant with these rules which will be posted on the Official Notice Board early in 1962.

### SMOKING IN CLASSROOMS

Students are informed that smoking in classrooms during classes is not permitted.

### CARE OF PROPERTY

Students are requested to observe care in the use of University property. Any student who damages University furniture or fittings or other property will be required to pay for the repair of the damage.

### OFFICIAL COMMUNICATIONS

A student of the School of General Studies who wishes to communicate officially with the University on any matter should do so through the Registrar of the School of General Studies.

## SCHOLARSHIPS

If a student has a sufficiently good scholastic record, he may qualify for financial assistance by way of a scholarship during his course at the University. The following scholarships are available and tenable in the School of General Studies:

### NATIONAL UNDERGRADUATE SCHOLARSHIPS

From 1962 the University will offer annually up to ten undergraduate scholarships. Applications will be accepted from candidates ordinarily resident in Australia, who have presented for a qualifying examination for matriculation in the year of application (for example, Leaving Certificate, Leaving Certificate Honours and Matriculation Examination). Selection will be based on the marks obtained at these examinations and scholarships will be restricted to those who intend to proceed to an honours degree. Scholarship holders will be entitled to: (i), free accommodation in a hall of residence; (ii) £100 annually; and (iii) rail fares to and from home within Australia twice in each year.

Applications for the scholarships will close at the University on 30th November in each year.

## ORIENTAL STUDIES SCHOLARSHIPS

The University awards a number of scholarships annually for full-time study in the School of Oriental Studies of the University.

Two types of scholarships are available: (i) for non-graduates, including students who have not previously attended a university; and (ii) for graduates of any Faculty. Students awarded Oriental Studies Scholarships will be required to take the four-year Bachelor of Arts honours course.

Students who hold Commonwealth Scholarships or who have held Commonwealth Scholarships while taking a first degree are eligible to apply for Oriental Studies Scholarships. Leaving Certificate and Matriculation candidates who are applicants for Commonwealth Scholarships may be considered. Applications will also be considered from persons outside these categories provided they are of matriculation or higher standard and ordinarily resident in Australia.

The value of an Oriental Studies Scholarship at present ranges from £300 per annum for an undergraduate student living at home to £500 per annum for a graduate (taking the undergraduate course) living away from home. All tuition and other compulsory fees are covered by the Commonwealth Scholarship.

Further information may be obtained from the Registrar of the School of General Studies.

NEW SOUTH WALES DEPARTMENT OF EDUCATION TEACHERS' COLLEGE  
SCHOLARSHIPS

Students holding Teachers' College Scholarships of the New South Wales Department of Education and nominated by the Minister for Education for New South Wales may enrol at the Australian National University to proceed to degrees in Arts, Economics or Science.

Such students receive free tuition and a living allowance while training, and hold their scholarships subject to the Department's normal bond conditions.

Details of these bond conditions and living allowances may be consulted in the brochure, "Teachers' College Scholarships", issued by the New South Wales Department of Education. After graduation, students will be required to attend a Teachers' College in Sydney or Armidale for a further period of twelve months to complete their professional training.

Further information may be obtained from the Registrar of the School of General Studies.

## COMMONWEALTH SCHOLARSHIPS

The Commonwealth Government provides a number of scholarships each year for open competition among students who wish to undertake tertiary courses at universities and other approved institutions.

The administration of the Commonwealth Scholarship Scheme in New South Wales and the Australian Capital Territory is in the hands of the New South Wales Department of Education, which operates through its Branch Office at the University of Sydney.

The following students are eligible for the award of a Commonwealth Scholarship:—

- (i) any Leaving Certificate holder (or student who has passed the Matriculation examination set by the Universities or the Qualifying or Qualifying Deferred examinations of the University of New South Wales) who will be under the age of thirty on 1st January in the year in which he commences his university course;
- (ii) any student who has completed part of an approved University course or other tertiary course and who was under the age of thirty on the 1st January of the year in which he commenced the course.

A Commonwealth Scholarship covers all compulsory tuition fees but does not cover the cost of instruments, books or accommodation. Subject to a means test, a living allowance may be paid to a full-time student.

In order to encourage students with an aptitude for languages to undertake courses in oriental studies, the Commonwealth Scholarships Board has given approval, for Commonwealth Scholarship Scheme purposes, for selected students to take a course leading to the Bachelor of Arts degree in any Australian university followed by a four-year Bachelor of Arts honours course at the Australian National University in one of the following specialisms: (a) Far Eastern specialism with emphasis on China; (b) Far Eastern specialism with emphasis on Japan; (c) Southeast Asian specialism. Selection for the combined course will be based on Leaving and first year university results.

Applications must reach the University Branch Office by 30th November each year. Further information may be obtained from the Registrar of the School of General Studies or the Officer-in-Charge, University Branch Office, Department of Education, University Grounds, Sydney.

#### CANBERRA SCHOLARSHIPS

A number of Canberra Scholarships are awarded annually on the results of Leaving Certificate Examination. The Scholarships are available only to students who have been educated at Canberra schools but under certain circumstances the children of Canberra residents who have been educated at schools other than in Canberra are also eligible. The number of scholarships available each year is based on the number of pupils of Canberra schools who pass the Leaving Certificate Examination.

The benefits of a Canberra Scholarship consist of the payment of tuition and other compulsory fees and an additional amount of up to £26 per annum if the scholar's course is adequately provided for in Canberra, or an amount of up to £104 per annum if the course of study is not provided for at Canberra.

Further information may be obtained from the Registrar of Schools, Department of the Interior, Canberra, A.C.T.

#### NEW SOUTH WALES DEPARTMENT OF EDUCATION FREE PLACES

The Council of the Australian National University permits New South Wales Government teachers stationed in Canberra to enrol for first degree courses in the School of General Studies without payment of lecture fees, subject to the condition that a teacher receives this benefit only while he continues to make satisfactory progress in his course.

Further information on the conditions of enrolment may be obtained from the Registrar of the School of General Studies.



### COMMONWEALTH PUBLIC SERVICE FREE PLACES

The University has a scheme of free places for selected officers of the Commonwealth Public Service stationed in Canberra. (The Commonwealth Government pays half of the lecture fees of the selected officers and the University admits such students at half rates.) In 1960, the scheme was extended to include officers proceeding to the degree of Master.

The selection of officers is made annually and the grant of a free place is subject to the fulfilment of conditions notified in the *Commonwealth Gazette*.

### POSTGRADUATE AWARDS

#### AUSTRALIAN NATIONAL UNIVERSITY RESEARCH SCHOLARSHIPS

##### *For the Degree of Doctor of Philosophy*

Each year the University offers a small number of scholarships for award to persons wishing to become research students in the University. Applications are invited by advertisement and notification to universities, and these notices set out the procedure for application and the closing dates.

Awards are for an initial period of two years and may be renewed for a third year or in special circumstances for a total of four years. Scholars will normally enrol for the degree of Doctor of Philosophy.

Scholarship holders receive a living allowance of £950 per annum. Married scholarship holders with dependent children may be granted an additional allowance. The University also makes a contribution towards the expenses incurred by a scholarship holder in taking up the scholarship.

Further information may be obtained from the Registrar of the School of General Studies.

##### *For the Degree of Master*

From 1962 the University will offer scholarships to persons proceeding to the degree of Master. The scholarships may be held in any one of the Faculties of Arts, Economics, Law and Science in the School of General Studies or in any of the departments of the Research Schools of the Institute of Advanced Studies.

Awards will be initially for one year and may be renewed for a second year. Selected candidates may be permitted to proceed to the course for the Degree of Doctor of Philosophy in the second year.

Scholarship holders receive a living allowance of £875. Married scholarship holders with dependent children will be granted an additional allowance.

Further information may be obtained from the Registrar of the School of General Studies.

#### GENERAL MOTORS-HOLDEN'S LIMITED POSTGRADUATE RESEARCH FELLOWSHIPS

General Motors-Holden's Limited, under its Postgraduate Research Fellowship Plan, provides annually twenty-five Postgraduate Fellowships, tenable at Australian universities.

Twenty Fellowships are allocated to the Australian universities and the remaining five reserved for award by the Australian Vice-Chancellors' Committee.

The Fellowships range in value from £800 to £1,200 per annum and are tenable for one year with the possibility of an extension up to a total of three years.

Intending applicants should apply to the Registrar of the University at which they wish to take up the Fellowship. The closing date for application for Fellowships tenable at the University will normally be 31st October. Further information may be obtained from the Registrar of the School of General Studies.

#### COMMONWEALTH POSTGRADUATE AWARDS

The Commonwealth Government provides a number of awards each year for postgraduate students in Australian universities.

Applicants must be permanently resident in Australia but this does not exclude Australians temporarily resident abroad.

Awards are tenable for one year but may be extended for a longer period provided the maximum duration is not more than four years. The value of the award is £875 per annum for candidates proceeding to the degree of Master.

Further information may be obtained from the Registrar of the School of General Studies.

### PRIZES

#### THE TILLYARD PRIZE

The Tillyard Prize is awarded to a student of the University who completed a course for a degree of Bachelor or for a diploma in the previous year, and whose work and personal qualities have been outstanding. A fund to provide this prize was established by the University Association of Canberra to serve as a memorial to the late Dr. Robin John Tillyard and his widow, Mrs. Patricia Tillyard. The value of the prize is approximately £10.

#### THE GEORGE KNOWLES MEMORIAL PRIZE

The George Knowles Memorial Prize is awarded annually to a student of the University proceeding to the degree of Bachelor of Laws who has performed the best academic work in the previous year. The prize, which takes the form of books to the value of approximately £6 6s. 0d. is a memorial to the late Sir George Shaw Knowles who was a member of the Council of the former Canberra University College from 1930 to 1946.

#### THE ECONOMIC SOCIETY PRIZE

The Canberra Branch of the Economic Society of Australia and New Zealand presents an annual prize of £5 for award to the student of the University with the best result in a class essay in Economics III or Public Finance.

#### THE ROYAL INSTITUTE OF PUBLIC ADMINISTRATION PRIZE

The Australian Capital Territory Group of the Royal Institute of Public Administration presents an annual prize of £10 10s. 0d. for award to the student who obtains the best honours result in the subject Public Administration at the annual examination.

**THE BRITISH PSYCHOLOGICAL SOCIETY PRIZE**

The Australian Branch of the British Psychological Society provides an annual prize of £5 for award to the student of the University who has pursued with most distinction the third year unit or units in Psychology.

**THE MARIE HALFORD MEMORIAL PRIZE**

The Business and Professional Women's Club of Canberra presents an annual prize in English as a memorial to the late Marie Halford, a former assistant secretary of the Club. The prize, consisting of the sum of £10 10s. Od., is awarded to the woman student of the University who has pursued with most distinction any one of the units in the subject English Literature in the preceding year.

**THE AUSTRALIAN SOCIETY OF ACCOUNTANTS PRIZE**

The New South Wales Division of the Australian Society of Accountants provides an annual prize of £10 for award to the student of the University who obtains the best results in Accountancy I at the annual examination.

**THE LADY ISAACS PRIZE**

The Lady Isaacs Prize, consisting of books to the value of approximately £4, is awarded annually to the student of the University who obtains the best result in Australian History at the annual examination. The prize commemorates the work of Sir Isaac and Lady Isaacs.

**THE PROFESSIONAL OFFICERS' ASSOCIATION PRIZES**

The Canberra Branch of the Professional Officers' Association presents two annual prizes, each of £10, for award to outstanding first-year students of the University who are proceeding to the degree of Bachelor of Science. One of the prizes is awarded in the units Pure or Applied Mathematics I, Physics I and Chemistry I in rotation; and the other is awarded in the units Botany I, Geology I and Zoology I in rotation.

**THE GEOLOGICAL SOCIETY OF AUSTRALIA PRIZE**

The Commonwealth Territories Division of the Geological Society of Australia presents an annual prize of books to the value of £10 for award to the student of the University intending to proceed to Geology II who achieves the best results in Geology I at the annual examination.

**THE RACHEL DORPH MEMORIAL PRIZE**

The Rachel Dorph Memorial Prize is awarded each year to the student of the University who is enrolled for a degree course and who submits the best essay on a topic which is part of the requirements for the unit English Literature I. The value of the prize is approximately £5.

**THE CANBERRA UNIVERSITY WOMEN'S ASSOCIATION PRIZE**

The Canberra Association of University Women presents an annual prize of £20 for award to the most outstanding woman student who has completed the course for the Degree of Bachelor of Arts with Honours in the School of Oriental Studies and who has also made a worthwhile contribution to University life during the course of her studies.

## THE FACULTY OF ARTS

### *The Arts Degree*

In the Faculty of Arts any matriculated student may enrol for the Degree of Bachelor of Arts, which may be taken either as the Pass Degree or the Degree with Honours.

The distinction between the pass degree and the honours degree may be expressed thus: the pass degree is designed to give the student a sound general education in the fields covered by the Faculty of Arts (i.e. the humanities, mathematics and the social sciences), whereas the honours degree aims to provide a thorough, scholarly training in one subject or group of subjects, with a more restricted choice of others than is possible in the pass degree. The methods of obtaining both degrees are explained below.

#### THE PASS DEGREE

A student can qualify for this degree by completing *one* of these three courses:

- either* three majors and a single unit
- or* two majors and two sub-majors
- or* two majors, one sub-major, and two single units.

It will be seen that each of these courses adds up to ten units, which is the number required for the degree. Full-time students usually complete their course in three years, taking four units in their first year, three in their second year, and three in their third year. Part-time students usually require five years to complete, taking two units each year. (The degree *must* be completed in eight years.)

The student has a very wide choice of subjects from which to draw his ten units—these are set out in the next section which is devoted to the departments which teach in the Faculty of Arts: Classics (including Greek and Latin), Modern Languages (including French, German and Russian), Oriental Studies (including Chinese, Japanese, Bahasa Indonesia and Oriental Civilization), Economics, Economic History, English (including Australian Literature and American Literature), History, Political Science, Psychology, Mathematics and Statistics. There are no compulsory subjects or units.

#### THE DEGREE WITH HONOURS

This degree is somewhat differently arranged from the pass degree and takes a year longer, i.e. four years for full-time students. At the outset of his course, if possible, the student chooses one subject, e.g. history, in which to do honours. He is then given a course of study by the department in charge of this

subject, which will require him to specialize to a greater or lesser extent—the requirements, which vary from department to department, are set out as follows: Classical Studies, page 37; Greek Studies, page 38; Latin Studies, page 38; English, page 46; French, page 67; German, page 73; Russian, page 78; History, page 52; Mathematics, page 62; Chinese Studies, page 91; Japanese Studies, page 91; Southeast Asian Studies, page 91; Philosophy, page 99; Political Science, page 143; Psychology, page 109; Economics, page 41; Mathematical Statistics, page 112.

It is usually possible to transfer from a pass degree to an honours degree, although the later in his course the student decides to do this, the more difficulty he is likely to encounter. Conversely, a student who decides to switch to a pass degree from an honours degree can usually do so; here again, the earlier the decision is made, the less difficulty.

### HIGHER DEGREES

The Degree of Master of Arts may only be taken after the Bachelor's degree of this or another university has been obtained.

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# *Details of Units and Book Lists*

## DEPARTMENT OF CLASSICS

R. St. C. JOHNSON, M.A., DIP.ED. SYD.

*Professor and Head of the Department*

### INTRODUCTION

Greece and Rome are the foundations of Western civilization, Greece mainly in the realm of thought, and Rome in that of action. For two thousand years thinkers, writers, artists, lawyers and statesmen have looked to them and studied them as models; moreover, our own language owes most of its literary tradition and even of its vocabulary to Latin and Greek. For these reasons the study both of their literature and of their history has special value for all who wish to understand the development of our Western tradition.

The Department's courses aim to provide a comprehensive survey of the language, literature, history and art of classical Greece and Rome and of important classical influences in western civilization. The courses in Greek and Latin are grouped around topics of essential importance. For the study of each topic, portions from the greatest writers will be prescribed for detailed study. More extensive reading will also be prescribed, some in the original language and some in translation.

Latin and Greek are particularly valuable for those studying modern literature, Greek for philosophy and theology, Latin for law, scholastic philosophy and medieval history. A knowledge of Latin is required for all honours students in French, and is highly desirable for English and for Italian and other Romance languages.

A general course in Classical Civilization comprising Greek and Roman art (including architecture), history and literature (in translation) is available as a single unit. No knowledge of Greek or Latin is required for this course.

Three-year pass courses are available in both Latin and Greek, either of which may be taken as a major (or parts I and II of either as a sub-major) by candidates for the Bachelor of Arts degree. One or more years of Latin or Greek may be included as part of any Bachelor's course in Arts and Economics. Four-year honours courses in Latin and Greek are available, and the following additional units prescribed for honours candidates are also available to pass students who fulfil the requirements: Greek Studies A and B, Latin Studies A and B. Supervision of candidates for the Master's degree can be arranged.

Candidates taking Greek Ia need no previous knowledge of Greek, but should attend the introductory lectures before First Term: knowledge of some language other than English will be helpful. The course introduces the student to the reading of Greek prose authors and dramatists in the original with the minimum of delay.

Pass candidates with sufficient knowledge of Greek may substitute Greek Ib for Greek Ia as a pass unit.

Candidates taking Latin I should have reached N.S.W. Leaving Certificate or a similar standard in Latin. For those with no previous knowledge of Latin, there is a one year preliminary course which enables the student to begin Latin I

in the following year. Preliminary Latin is designed as an introduction to both classical and medieval studies but does not count as a unit towards the Bachelor of Arts degree.

The prerequisite for Greek Studies A is *either* Greek Ib or Greek II *or*, for students enrolled in Greek II, Greek Ia. The prerequisite for Greek Studies B is Greek II. The prerequisite for Latin Studies A and Latin Studies B is Latin I.

These prerequisites may be waived where the candidate can demonstrate, by passing a test similar to and of the same standard as the annual examination in the appropriate unit, that he has an adequate knowledge of Latin or Greek to proceed direct to these units.

A student in any unit who has not handed in a satisfactory proportion of the prescribed written work or who has not attended a satisfactory number of tutorials and classes may be excluded from the examination in that unit.

#### FOR THE PASS DEGREE

The major in Greek is Greek I (a or b), II and III. The sub-majors are (a) Greek I (a or b) and II, in that order; (b) Greek Studies A and B, in either order.

The major in Latin is Latin I, II and III. The sub-majors are (a) Latin I and II, in that order; (b) Latin Studies A and B, in either order.

The single units offered are: Classical Civilization, Greek I, Greek Studies A, Greek Studies B, Latin I, Latin Studies A and Latin Studies B.

#### Classical Civilization

Greek and Roman art, history and literature in translation. (Pass.)

Two lectures a week, with tutorials.

SYLLABUS: (i) *Literature in Translation*:

- (a) Greek epic, lyric and choral poetry—Homer, Sappho and Pindar;
  - (b) the origins and history of Greek drama—Aeschylus, Sophocles, Euripides, Aristophanes and Menander;
  - (c) the Greek historians—Herodotus and Thucydides;
  - (d) the Greek philosophers—Plato;
  - (e) Greek rhetoric—Isocrates and Demosthenes;
  - (f) Roman poetry—Lucretius, Catullus, Vergil and Horace;
  - (g) Cicero;
  - (h) the Roman historians—Caesar, Livy, Tacitus;
  - (i) Roman satire—Horace, Juvenal and Petronius.
- (ii) *Art*: a series of fifteen illustrated lectures.
- (iii) *History*: the outlines of the history of classical civilization, sufficient to give the necessary background for the other portions of the syllabus.

BOOKS:

#### PRELIMINARY READING

- Kitto, H. D. F. *The Greeks* Penguin
- Bowra, C. M. *The Greek Experience*. Weidenfeld & Nicolson
- The Oxford Book of Greek Verse in Translation*
- Richter, G. M. A. *Handbook of Greek Art* Phaidon
- Barrow, R. H. *The Romans* Penguin

## PRESCRIBED BOOKS

A list of prescribed reading and recommended translations is available in the Department and will be supplied on request.

**EXAMINATION:** (a) one three-hour paper on Greek and Latin literature; (b) one three hour paper on Greek and Roman history and art.

**Greek Ia**

Five lectures a week. Candidates without prior knowledge of classical Greek are required to consult the Head of the Department early in February and to attend an introductory course during the three weeks preceding First Term in order to qualify for entrance to Greek Ia. It is recommended that candidates attempting the course should have studied a European language other than English to a standard equivalent to school leaving certificate.

**SYLLABUS:** (i) *Introduction to Greek Language:*

(a) committing to memory the declension of regular nouns, the conjugation of the regular and chief irregular verbs, and the basic vocabulary and idioms of Attic Greek;

(b) reading simple Greek in class;

(c) practice in using and recognising the principal syntactic constructions in Greek. (Four lectures each week in First Term).

(ii) *The study of simple texts*, prescribed from one prose writer and one dramatist, with reference both to the language and to the historical and cultural background. (Three lectures a week in Second and Third Terms).

(iii) *Translation at sight* from and into Greek. Emphasis will be laid on revising and deepening the work of the first term. (Two lectures a week in Second and Third Terms).

**BOOKS:**

## PRESCRIBED BOOKS

North, M. A. and Hillard, A. E. *Greek Prose Composition* Rivingtons

Rutherford, W. G. *First Greek Grammar (Accidence and Syntax)* Macmillan

Selections from Herodotus (provided by the Department)

Euripides *Hecuba* ed. J. T. Sheppard, O.U.P.

## REFERENCE BOOKS

Liddell and Scott *Greek English Lexicon* Abridged version, O.U.P.

(Students taking a major in Greek or the honours course are strongly advised to buy the unabridged version as revised by H. Stuart Jones (9th ed., O.U.P., 1939). Earlier unabridged editions are not useful.)

Harvey, P. *Oxford Companion to Classical Literature*. O.U.P.

Kitto, H. D. F. *The Greeks* Penguin

**EXAMINATION:** (a) one three-hour paper on unseen translation into English and Greek with questions on Greek accidence and syntax; (b) one three-hour paper on the prescribed texts, with questions on Greek life and thought.



**Greek Ib**

Five lectures a week designed for candidates who have reached a standard in Greek equivalent to honours at the school leaving examination.

SYLLABUS: (i) *Life and thought in Athens* in the time of Euripides, Aristophanes and Socrates. As for Section (ii) of the syllabus for Greek Ia, with additional prescribed texts to be studied in First and Second Terms. (Three lectures a week.)

(ii) *Greek Language*: Prose composition and unseen translation. (Two lectures a week. These will include a study of everyday life in Athens.)

**BOOKS:****PRESCRIBED BOOKS**

As for Greek Ia, together with:

Euripides *Bacchae* ed. E. R. Dodds, 2nd ed., O.U.P.

Xenophon *Anabasis* IV ed. G. H. Nall, Blackie

Nash-Williams, A. H. *Introduction to Continuous Greek Prose Composition* Macmillan

Nash-Williams, A. H. *Advanced Greek Prose Composition* Macmillan

**REFERENCE BOOKS**

As for Greek Ia.

EXAMINATION: (a) one three-hour paper on unseen translation; (b) one three-hour paper on the prescribed texts; (c) one three hour paper on life and thought in Athens.

Prose composition will be examined throughout the year.

**Greek II**

Four lectures and one tutorial a week.

SYLLABUS: (i) *Greek Literature, 480-321 B.C.*: (a) Greek tragedy; (b) Attic prose;

(ii) *Greek History, 480-321 B.C.*: a course of ten lectures;

(iii) *Greek Language*: prose composition and unseen translation. (One lecture and a tutorial each week.)

**BOOKS:****PRESCRIBED BOOKS**

Euripides *Bacchae* ed. E. R. Dodds, 2nd ed., O.U.P.

Sophocles *The Theban Plays* tr. E. F. Watling, Penguin

Aristotle *Art of Poetry* ed. W. Hamilton Fyfe, O.U.P.

Lysias *Orationes XVI* ed. E. S. Shuckburgh, Macmillan

**REFERENCE BOOKS**

Kitto, H. D. F. *Greek Tragedy* 2nd ed., Methuen

Lattimore, R. A. *The Poetry of Greek Tragedy* Johns Hopkins Press

Jebb, R. C. *The Attic Orators* Macmillan

House, H. *Aristotle's Poetics* Hart-Davis

EXAMINATION: (a) one three-hour paper on unseen translation; (b) one three-hour paper on the prescribed texts; (c) one three hour general paper.

Prose composition will be examined throughout the year.

**Greek III**

Four lectures and one tutorial a week.

SYLLABUS: (i) *Greek Literature before the Periclean Age*, with selected books of Homer;

(ii) *Plato and Greek Philosophy*;

(iii) *Greek Language*:

(a) Prose composition and unseen translation. (One lecture each week.)

(b) The history of the language and a study of its dialects sufficient for the study of Homer, the poets and Herodotus. (One lecture each week in First Term.)

## BOOKS:

## PRESCRIBED BOOKS

Homer *Iliad* ed. W. Leaf and M. A. Bayfield, 2 vols., Macmillan

Homer *Odyssey* tr. W. H. D. Rouse, Mentor

*Oxford Book of Greek Verse* O.U.P.

Aeschylus *Tragoediae* ed. G. Murray, 2nd ed., O.U.P.

Plato *Gorgias* ed. E. R. Dodds, O.U.P.

Plato *Republic* tr. F. M. Cornford, O.U.P.

## REFERENCE BOOKS

Finley, M. I. *World of Odysseus* Chatto and Windus

Page, D. L. *History and the Homeric Iliad* Calif. U.P.

Atkinson, B. F. C. *The Greek Language* Faber

Jaeger, W. *Paideia* tr. G. Highet Blackwell (Vol. I)

Bassett, S. *The Poetry of Homer* Calif. U.P.

EXAMINATION: (a) one three-hour paper on unseen translation; (b) one three-hour paper on the prescribed texts; (c) one three-hour general paper.

Prose composition will be examined throughout the year.

**Greek Studies A**

The prerequisites for this course are set out on page 30.

Three lectures a week.

SYLLABUS: (1962 only): *History, literature and thought of Athens, 480-403 B.C.* Students will also be expected to attend certain classes in Classical Civilization.

## BOOKS:

## PRESCRIBED BOOKS

Thucydides *Book IV* ed. T. R. Mills, O.U.P.

Thucydides *History of the Peloponnesian War* tr. Crawley, Everyman

Aristophanes *Birds* ed. W. W. Merry, O.U.P.

Additional primary material will be supplied in the Department.

## REFERENCE BOOKS

Gomme, A. W. *Commentary on Thucydides* O.U.P.

Finley, J. H. *Thucydides* Harvard University Press

EXAMINATION: (a) one three-hour paper on prescribed texts; (b) one three-hour general paper.

### Greek Studies B

Three lectures a week. The Department does not expect to offer this course in 1962. Details will be announced later.

### Preliminary Latin

Four lectures a week. (Preliminary Latin does not count as a unit towards the Degree of Bachelor of Arts.)

**SYLLABUS:** A rapid intensive study of the accidence and syntax of the Latin language, designed to provide a foundation for students with no previous knowledge wishing to study either classical Latin or medieval Latin in connection with their work in English, French, history, law or theology. Practice in reading classical and humanistic Latin and in writing simple Latin will be given, with occasional tests and an examination at the end of the course.

#### BOOKS:

##### PRESCRIBED BOOKS.

Masterman, K. C. *A Latin Word-List* Macmillan

Material will be provided during the year.

**EXAMINATION:** One three-hour paper.

### Latin I

Four lectures a week.

**SYLLABUS:** (i) *The Late Republic and the Augustan Age:*

(a) *Literature:* Authors to be studied will include Cicero, Livy and Vergil; some portions for detailed study, others for extensive reading. Candidates are expected to study the whole of the Aeneid in translation. (Two lectures a week.)

(b) *Augustus and his times:* (One lecture a week in Third Term).

(ii) *The Latin Language:* Prose composition and unseen translation, including exercises in Latin prose composition, rapid revision of Latin syntax and passages for unseen translation illustrating everyday life in Ancient Rome. In addition students are expected to pay careful attention to the pronunciation of classical Latin, and will be given a short oral examination at the end of Second Term in reading Latin verse and on Latin verse learned by heart. (Two lectures each week in First and Second Terms, one in Third Term.) (Written work will be prescribed each week.)

#### BOOKS:

##### PRESCRIBED BOOKS

- (i) (a) Cicero *Pro Marcello, etc.* ed. W. Y. Fausset, O.U.P.  
 Cooper, C. G. *Journey to Hesperia* Macmillan  
 Livy *Book XXV* ed. W. D. Monro, O.U.P.  
 Vergil *Aeneid I-VI* ed. T. E. Page, Macmillan  
 or Vergil *Aeneid II* ed. T. F. Page, Macmillan  
 Vergil *Aeneid* tr. W. F. Jackson-Knight, Penguin

- (b) Suetonius *The Twelve Caesars* tr. R. Graves, Penguin

- (ii) Mountford, J. F. (ed.) *Bradley's Arnold Latin Prose Composition* Longmans  
 Masterman, K. C. *A Latin Word-List* Macmillan  
*Cassell's Latin Dictionary* New edition, 1959  
 (Previous editions are not suitable)  
 or Lewis and Short *A Latin Dictionary* O.U.P.  
 (Essential for reference and should be bought by those taking a major in Latin.)

## REFERENCE BOOKS

- Adcock, F. E. *Roman Political Ideas and Practice* Ann Arbor  
 Buchan, J. *Augustus* Hodder and Stoughton  
*Cambridge Ancient History* vol. X  
 Carcopino, J. *Daily Life in Ancient Rome* Pelican  
 Cowell, F. *Cicero and the Roman Republic* Pelican  
 Knight, W. F. Jackson *Roman Vergil* Faber  
 Laistner, M. L. W. *The Greater Roman Historians* Calif. U.P.  
 Harvey, P. *Oxford Companion to Classical Literature* O.U.P.

EXAMINATION: (a) one three-hour paper on unseen translation and questions on Augustus and his times; (b) one three-hour paper on the prescribed texts.

Prose composition will be examined throughout the year.

**Latin II**

Four lectures and one tutorial a week.

SYLLABUS: (i) *Latin Literature*: Parts A and B will be offered in alternate years.

A. *Literature of the Golden Age* (1963, 1965, 1967).

(a) *Poets of the Republic* (First Term): selections from Lucretius and Catullus will be prescribed for detailed study, extensive reading in the original and for study in translation;

(b) *Cicero* (Second Term): one text for detailed study, others for extensive reading;

(c) *Horace's Odes* (Third Term).

B. *Literature, principally of the Silver Age* (1962, 1964, 1966).

(a) *The Satirists* (First Term): selections from the satires of Lucilius, Horace and Juvenal, some for detailed study and others for extensive reading;

(b) *Imperial Prose* (Second Term): selected works by one prose author;

(c) *The Elegists* (Third Term): selections from Ovid, Propertius and Tibullus.

(ii) *Roman History*: A course of eight lectures.

(iii) *The Latin Language*:

(a) exercises in prose composition and unseen translation;

(b) reading and memorizing of Latin poetry, to be examined at an oral examination;

(c) a course on general linguistics and the development of the Latin language.

## BOOKS :

## PRESCRIBED BOOKS

- (i) Juvenal *Satires* ed. J. D. Duff, C.U.P.  
 Tacitus *Annals I* ed. N. P. Miller, Methuen.  
 Ovid *Metamorphoseon Liber I* ed. A. G. Lee, C.U.P.
- (ii) Cary, M. *History of Rome* Macmillan
- Additional material will be supplied by the Department.

## REFERENCE BOOKS

- Highet, G. *Poets in a Landscape* Pelican  
 Highet, G. *Juvenal the Satirist* O.U.P.  
 Duff, J. Wight *Roman Satire* C.U.P.  
 Syme, R. *Tacitus* O.U.P.  
 Wilkinson, L. P. *Ovid Recalled* C.U.P.  
 Frankel, H. *Ovid: a Poet between Two Worlds* Univ. Calif. Press  
 Carcopino, J. *Daily Life in Ancient Rome* Pelican

- EXAMINATION: (a) one three-hour paper on unseen translation;  
 (b) one three-hour paper on the prescribed texts;  
 (c) one three-hour paper on Latin literature and Roman history.  
 Prose composition will be examined throughout the year.

**Latin III**

Four lectures and one tutorial a week.

SYLLABUS: As for Latin II with the addition of one of the following special subjects:—

*List of Special Subjects for Latin III and IV.*

- (a) Vergil: Eclogues and Georgics, with a study of pastoral poetry;  
 (b) Roman comedy: Plautus and Terence;  
 (c) Roman historians: Sallust, Caesar, Livy, Tacitus;  
 (d) Roman epic: Andronicus, Naevius, Ennius, Vergil, Lucan;  
 (e) Roman philosophy: Cicero, Seneca;  
 (f) Roman rhetoric and education: Cicero, Quintilian, Tacitus.  
 (g) Any other special subject approved by the Head of the Department.

EXAMINATION: As for Latin II with the addition of a special subject paper.

**Latin Studies A**

Latin I is normally a prerequisite for this unit.

Three lectures a week. This course will not be offered in 1962.

Details will be announced later.

SYLLABUS: The history, literature and thought of the Roman Republic.

**Latin Studies B**

Latin I is normally a prerequisite for this unit.

Three lectures a week. This will be offered in alternate years: 1962, 1964, 1966.

SYLLABUS (1962 only): History, literature and thought of the Roman Empire, 31 B.C.-138 A.D.

Students will also be expected to attend relevant classes in Classical Civilization.

## BOOKS:

## PRESCRIBED BOOKS

- Tacitus *Annals XIV* ed. E. C. Woodcock, Methuen  
 Tacitus *Annals* tr. M. Grant, Penguin  
 Suetonius *The Twelve Caesars* tr. R. Graves, Penguin

Selections of Statius, Martial, Juvenal and Pliny's Letters to be supplied by the Department.

## REFERENCE BOOKS

- Tacitus *Annals* ed. H. Furneaux, O.U.P.  
 Cary, M. *History of Rome* Macmillan

EXAMINATION: (a) One three-hour paper on prescribed texts; (b) one three-hour general paper.

## FOR THE DEGREE WITH HONOURS

The Department offers a choice of three honours courses: Classical Studies, Greek Studies, and Latin Studies, as set out in the syllabus below.

Admission to the higher years of all honours courses is conditional upon satisfactory performance in the first year, and students must be approved by the Faculty of Arts as candidates for the Degree with Honours before entering the second year of the Honours School.

A student who has not enrolled for honours but who wishes to enter an Honours School during his course must make special application to the Faculty (through the Sub-Dean) for permission to do so. If permission is granted, the Faculty will prescribe what further work must be completed before the student is allowed to proceed to the Final Examination.

Candidates for honours will be required, unless exempted by the Professor, to submit one essay at the beginning of the first term in each of their second and third years. Before 31st July in their third year candidates are required to name the subject of a special study in which they will submit an essay of not more than 9000 words by the beginning of the first term of their final year.

## HONOURS SCHOOL IN CLASSICAL STUDIES

The course for the Degree with Honours in Classical Studies will comprise the following units:—

- (a) Greek I (a or b), II and III, Latin I, II and III, any two of Greek Studies A and B, and Latin Studies A and B (for details of these units see under *For the Pass Degree*);
- (b) A combined course based on Greek IV and Latin IV as arranged by the Head of the Department;
- (c) two approved single units chosen by the candidate in consultation with the Head of the Department.

Candidates for honours in Classical Studies must gain a credit or pass with merit in Latin I, II and III and in Greek I, II and III.

All candidates in the Honours School are required to consult the Head of the Department at the beginning of their course.

## HONOURS SCHOOL IN GREEK STUDIES

The course for the Degree with Honours in Greek Studies will comprise the following units:—

- (a) Greek I (a or b), II, III, Greek Studies A and B, Latin I (for details of these units see under *For the Pass Degree*);
- (b) Greek IV;
- (c) four additional Arts units chosen by the candidate in consultation with the Head of the Department. These are to be chosen in such a way that the candidate fulfils the requirements of

*either* one pass major in a subject other than Greek  
*or* two pass sub-majors in subjects other than Greek.

Examples of four units which fulfil this requirement:

- (a) Latin II and III, Problems of Philosophy, German I
- (b) A major in Philosophy and Latin II
- (c) English Literature I and II, and a sub-major in History.

All candidates in the Honours School are required to consult the Head of the Department at the beginning of their course.

Candidates for honours in Greek Studies must gain a credit or pass with merit in Greek I, II and III.

## HONOURS SCHOOL IN LATIN STUDIES

The course for the Degree with Honours in the School of Latin Studies will comprise the following subjects:—

- (a) Latin I, II and III, Latin Studies A and B, Greek I (a or b) and III (for details of these units see under *For the Pass Degree*);
- (b) Latin IV;
- (c) Three additional Arts units chosen by the candidate in consultation with the Head of the Department. These are to be chosen in such a way that the candidate fulfils the requirements of a pass major in a subject other than Latin.

Examples of three units which fulfil this requirement:

- (a) Greek III, and any sub-major (e.g. English Literature I and II).
- (b) French, I, II, III.
- (c) Greek III, Problems of Philosophy, English Literature I.

All candidates in the Honours School are required to consult the Head of the Department at the beginning of their course.

Candidates for honours in Latin Studies must gain a credit or pass with merit in Latin I, II and III.

**Greek IV (Honours)**

A course comprising four lectures a week, and seminars on each of the special topics.

**SYLLABUS:** (i) *Greek Language:* Passages for translation from and into Greek will be set throughout the year, with special emphasis on the conceptual differences between Greek and English.

- (ii) *Methods of Scholarship*, including textual criticism and epigraphy.
- (iii) *Greek Literature*: A general survey and the study of one special topic in detail. Texts for examination will be prescribed for each candidate.
- (iv) *Greek Thought*: A study, both philological and philosophical, of the major attitudes and ideas which Greece has contributed to western civilization. Each candidate will offer some aspect for detailed study with texts to be prescribed.

PRESCRIBED READING.

- Jaeger, W. *Paideia* trans. G. Highet, Blackwell
- Snell, B. *The Discovery of the Mind* trans. T. G. Rosenmeyer, Blackwell
- Popper, K. *The Open Society and its Enemies* Routledge
- Havelock, E. A. *The Liberal Temper in Greek Politics* Cape
- Onians, R. B. *Origins of European Thought* C.U.P.
- Cooper, Lane, ed. *The Greek Genius and its Influence* Cornell U.P.

- (v) *Greek History*: The outlines to the Roman conquest of Greece, with one period studied in detail from the original sources.
- (vi) *Special Subjects*: Candidates in the Honours School of Greek Studies are required to offer two special subjects chosen either from the following list or after consultation with the Head of the Department:—
- (a) Greek dialects, including Linear B;
- (b) Early Greek poetry: Hesiod, Alcman, Alcaeus, Archilochus, Simonides, Pindar, Bacchylides;
- (c) Greek tragedy;
- (d) Greek political thought, including Herodotus, Thucydides, Plato, Aristotle and Polybius;
- (e) Hellenistic poetry: Bion, Theocritus, Callimachus, Apollonius Rhodius.
- (vii) *Final Year Special Study and Essay*: See notes on the Honours Schools above.

EXAMINATION: (a) one three-hour paper on translation into Greek; (b) one three-hour paper on translation into English; (c) one three-hour paper on Greek literature; (d) one three-hour paper on Greek history; (e) one three-hour paper on Greek thought; (f) one three-hour paper on prescribed texts; (g) one three-hour essay paper (the same paper as for Latin D); (h) one three-hour paper on the special subjects (for candidates in the Honours School of Greek Studies only).

**Latin IV (Honours)**

Four lectures each week and seminars on each of the special topics.

SYLLABUS: (i) *Latin Language*: Passages for translation from and into Latin will be selected to illustrate conceptual differences between Latin and English.

- (ii) *Methods of Scholarship*, including textual criticism and epigraphy.
- (iii) *Latin Literature*: A general survey and the study of one special topic in detail. Texts for examination will be prescribed for each candidate.
- (iv) *Roman History*: The outlines to the death of Constantine, with one period studied in detail from the original sources.



(v) *The Classical Tradition*: A study of the importance of Rome in the history of western civilization; the influence of individual writers on mediæval and European literature, politics and education; and the use of the past made by writers or thinkers after the fall of the Roman Empire. Each candidate will offer some aspect for detailed study with texts to be prescribed.

(vi) *Special Subjects*: Candidates in the Honours School of Latin Studies are required to offer two further special subjects from the list in Latin B (Honours). This is not required of candidates in the Honours School of Classical Studies.

(vii) *Final Year Special Study and Essay*: See notes for the Honours Schools above.

EXAMINATION: (a) one three-hour paper on translation into Latin; (b) one three-hour paper on translation into English; (c) one three-hour paper on Latin literature; (d) one three-hour paper on Roman history; (e) one three-hour paper on the classical tradition; (f) one three-hour paper on the prescribed texts; (g) one three-hour essay paper; (h) one three-hour paper on the special subjects (for candidates in the Honours School in Latin Studies only).

#### FOR THE DEGREE OF MASTER OF ARTS

Details will be arranged by the Professor of Classics.

### DEPARTMENT OF ECONOMIC HISTORY

G. S. L. TUCKER, B.COM. MELB., PH.D. CANTAB.

*Professor and Head of the Department*

The following units, details of which are given under the Faculty of Economics (see pages 135 and 138), are available as pass or honours units for the Degree of Bachelor of Arts:—

**Economic History I**  
**Economic History II**  
**History of Economic Thought**

### DEPARTMENT OF ECONOMICS

H. W. ARNDT, M.A., B.LITT. OXON.

*Professor and Head of the Department*

B. D. CAMERON, M.EC. SYD., PH.D. CANTAB.

*Professor of Applied Economics*

The following units, details of which are given under the Faculty of Economics (see pages 129 and 134), are available as units for the Degree of Bachelor of Arts:—

**Economics I**  
**Economics II**  
**Economics III**  
**Economics IV (Honours only)**  
**Public Finance**  
**Agricultural Economics**

Students wishing to take an honours degree in the field of economics will normally be expected to take this course in the Faculty of Economics. They may however take honours in economics in the Faculty of Arts provided certain conditions are met:

- (i) they may be required to take the unit Statistics I before their final honours year (and preferably in their first year);
- (ii) their passes in the Economics major must be of a sufficient standard for the Head of the Department to allow them to proceed to the fourth honours year.

Students are advised to consult with the Sub-Dean of the Faculty of Economics.

## DEPARTMENT OF ENGLISH

A. D. HOPE, B.A. SYD. AND OXON.  
*Professor and Head of the Department*

### INTRODUCTION

For the Pass Degree of Bachelor of Arts the Department of English offers two three-year courses—English Literature, and Early English Literature and Language—and two one-year courses, Australian Literature and American Literature.

In the first year of English Literature, the student is introduced to the main forms of literature (poetry, drama, and the novel) since the sixteenth century. In the second year a more intensive study is made of representative poets from 1500 to 1789 and of Elizabethan and Jacobean drama; and in the third year, of poetry since Blake and the novel since Jane Austen. The emphasis in all three years is on literary criticism, and weekly classes are held in which the student is expected to discuss the works he is reading and develop critical views. A student is expected to possess a sound knowledge of the literature, but he will be assessed mainly on his critical ability.

In the first year of Early English Literature and Language, an introduction is given to the development of the English language, and selected texts from Old and Middle English Literature, including Chaucer, are studied. In the following year selections from Old English prose and thirteenth century literature are read; and the third year is devoted to Old English poetry and fourteenth century literature. The aim of the course is to enable the student to attain a critical understanding of medieval English literature through a precise knowledge of its language and an acquaintance with its historical background.

In the units Australian Literature and American Literature, a survey is made of Australian or American poetry, fiction, drama and general prose, with special attention to major writers.

For the Degree with Honours in English the student is required in his first three years to take both English Literature and Early English Literature and Language; additional honours work in English; and an approved sub-major and single unit. In his fourth year, apart from certain prescribed papers, he is allowed to choose one period of medieval or modern English literature of which to make a detailed study.

## FOR THE PASS DEGREE

For the Pass Degree of Bachelor of Arts the courses in the Department of English comprise English Literature I, II and III, Early English Literature and Language I, II and III, Australian Literature and American Literature.

The majors in English are English Literature I, II and III, in that order; and Early English Literature and Language I, II and III, in that order.

The sub-majors are: (a) English Literature I and II, in that order; (b) English Literature I and III, in that order; (c) Modern English, i.e. *either* English Literature III and Australian Literature, in that order *or* English Literature III and American Literature, in that order; (d) Early English Literature and Language I and II, in that order.

The single units are: English Literature I, Early English Literature and Language I, Australian Literature and American Literature. In certain cases, with the permission of the Head of the Department, English Literature II and English Literature III may also be taken as single units.

In each of the units for the Pass Degree, essays and tutorial exercises are set periodically and taken into account at the examination. A student who fails to submit them by the due dates may not be given credit for the unit.

*Note:* Where no publisher is named in the lists of prescribed books which follow, any unabridged edition may be used.

**English Literature I**

Three lectures and one tutorial a week throughout the year.

SYLLABUS: An introduction to poetry, drama, and the novel.

## BOOKS:

## PRESCRIBED BOOKS

- Erskine, A., and Warren, R. P. (ed.) *Six Centuries of Great Poetry* Dell  
 Greene *Friar Bacon and Friar Bungay*, in *Five Elizabethan Comedies*  
 World's Classics, no. 422  
 Marlowe *Dr. Faustus* World's Classics, no. 478  
 Shakespeare *As You Like It Macbeth The Tempest*  
 Morell, J. M. (ed.) *Four English Comedies* Penguin  
 Ibsen *The Wild Duck* tr. Ellis-Fermor, Penguin Classics  
 Wilde *The Importance of Being Earnest*  
 Shaw *Arms and the Man in Plays Pleasant* Penguin  
 Sygne *The Playboy of the Western World*  
 Eliot *Murder in the Cathedral*  
 Cervantes *Don Quixote* tr. Cohen, Penguin Classics  
 Bunyan *The Pilgrim's Progress*  
 Defoe *Robinson Crusoe Moll Flanders*  
 Richardson *Pamela* (Part I)  
 Fielding *Joseph Andrews Tom Jones*  
 Smollett *Humphry Clinker*  
 Sterne *Tristram Shandy*  
 Jane Austen *Emma*  
 Scott *Old Mortality*

EXAMINATION: Two three-hour papers

**English Literature II**

Three lectures and one tutorial a week throughout the year.

**SYLLABUS:** (a) a study of representative poets from 1500 to 1789, with relevant works of criticism;

(b) a study of Elizabethan and Jacobean drama, and Restoration and eighteenth century drama, with relevant works of criticism.

**BOOKS:****PRESCRIBED BOOKS**

Spenser, Milton, Dryden and Pope, as in the Oxford Standard Authors or Everyman editions

Bullett, G. (ed.) *Silver Poets of the Sixteenth Century* Everyman's Library, no. 985

Shakespeare *Sonnets*

Gardner, H. (ed.) *The Metaphysical Poets* Penguin

Davie, D. (ed.) *The Late Augustans* Heinemann

Sidney *Apology for Poetry*

Johnson. *The Lives of the Poets Preface to Shakespeare*

Shakespeare *Henry IV, Parts 1 and 2 Coriolanus Twelfth Night King Lear*

Middleton *The Changeling* ed. Bawcutt, Methuen

*Restoration Plays* Everyman's Library, no. 604

*Five Elizabethan Comedies* World's Classics, no. 422

*Six Plays by Contemporaries of Shakespeare* World's Classics, no. 199

*Five Stuart Tragedies* World's Classics, no. 526

*Christopher Marlowe* World's Classics, no. 478

*Five Plays by Ben Jonson* World's Classics, no. 524

*Eighteenth Century Comedy* World's Classics, no. 292

Sheridan *Plays* World's Classics, no. 79

Dryden *Essay of Dramatick Poesy*

**EXAMINATION:** Two three-hour papers.

**English Literature III**

Three lectures and one tutorial a week throughout the year.

**SYLLABUS:** Poetry since Blake and the novel since Jane Austen.

**BOOKS:****PRESCRIBED BOOKS**

Blake Oxford Standard Authors or Penguin Poets

Coleridge World's Classics, no. 99 or Penguin Poets

Wordsworth, Byron and Tennyson Oxford Standard Authors

Shelley, Keats, Arnold, Browning, Swinburne, Hopkins, Hardy and Auden  
Penguin Poets

Yeats *Collected Poems* Macmillan

Eliot *Collected Poems 1909-35 Four Quartets* Faber paperback

Jane Austen *Emma Northanger Abbey*

Peacock *Nightmare Abbey Crochet Castle*

Emily Bronte *Wuthering Heights* Everyman's Library, no. 243

Dickens *Pickwick Papers Our Mutual Friend*

George Eliot *Middlemarch*

James *Portrait of a Lady*

Butler *The Way of All Flesh*

Conrad *Nostromo*  
 Bennett *The Old Wives' Tale*  
 Joyce *Portrait of the Artist as a Young Man*  
 Lawrence *The Rainbow*

EXAMINATION: Two three-hour papers.

### Early English Literature and Language I

Two lectures and one tutorial a week throughout the year.

SYLLABUS: The history of the English language and selected texts from Old and Middle English Literature, including Chaucer.

BOOKS:

#### PRESCRIBED BOOKS

Baugh, A.C. *History of the English Language* Routledge  
 Brook, G. L. *History of the English Language* Deutsch  
 Brook, G. L. *Introduction to Old English* Manchester U.P.  
 Chaucer *The Franklin's Tale* ed. Hodgson, Athlone Press  
 Sisam, K. (ed.) *Fourteenth Century Verse and Prose* O.U.P.  
 Cam, H. M. *England before Elizabeth* Grey Arrow

EXAMINATION: Two three-hour papers.

### Early English Literature and Language II

Two lectures and one tutorial a week throughout the year.

SYLLABUS: The literature and civilization of the Old and Middle English periods.

BOOKS:

#### PRESCRIBED BOOKS

Brook, G. L. *Introduction to Old English* Manchester U.P.  
 Dickins, B., and Wilson, R.M. *Early Middle English Texts*  
 Sweet, H. (ed.) *Anglo-Saxon Reader* rev. Onions, O.U.P.  
 Whitelock, D. *The Beginnings of English Society* Penguin  
 Zesmer, D. M. *Guide to English Literature* Barnes & Noble  
 Cam, H. M. *England before Elizabeth* Grey Arrow

EXAMINATION: Two three-hour papers.

### Early English Literature and Language III

Two lectures and one tutorial a week throughout the year.

SYLLABUS: The literature and civilization of the Old and Middle English periods.

BOOKS:

#### PRESCRIBED BOOKS

Ford, B. (ed.) *The Age of Chaucer* Penguin  
 Gollancz, I. (ed.) *Sir Gawayne and the Grene Knyght* Early English Text Society  
 Myers, A. R. *England in the late Middle Ages* Penguin  
 Stenton, D. *English Society in the early Middle Ages* Penguin  
 Sweet, H. (ed.) *Anglo-Saxon Reader* rev. Onions, O.U.P.  
 Tolkien, J. R. R. and Gordon, E. V. *Sir Gawain and the Green Knight* O.U.P.  
 Zesmer, D. M. *Guide to English Literature* Barnes & Noble  
 Cam, H. M. *England before Elizabeth* Grey Arrow

EXAMINATION: Two three-hour papers.

**Australian Literature**

Two lectures and one tutorial a week throughout the year.

**SYLLABUS:** Australian poetry, fiction, drama and general prose, including special study of a set topic.

**BOOKS:**

## PRELIMINARY READING

Green, H. M. *A History of Australian Literature* Angus & Robertson  
 Hadgraft, C. *Australian Literature* Heinemann  
 Hancock, W. K. *Australia* Australian Pocket Library

## PRESCRIBED BOOKS

Poems, as selected in class, by Gordon, Kendall, O'Dowd, McCrae, Neilson, Mary Gilmore, FitzGerald, Douglas Stewart, McAuley and Webb,  
 Green, H. M. (ed.) *Modern Australian Poetry* Melb. U.P.  
 Thompson, J., Slessor, K., and Howarth, R. G. (ed.) *The Penguin Book of Australian Verse*  
 Stewart, D., and Keesing, N. (ed.) *Australian Bush Ballads Old Bush Songs* Angus & Robertson  
 Brennan *Verse* ed. Chisholm, Angus & Robertson  
 Slessor *Poems* Angus & Robertson  
 Judith Wright *Woman to Man* Angus & Robertson  
 Hope *Poems* Hamish Hamilton  
 Clarke *For the Term of his Natural Life* World's Classics, no. 527  
 Boldrewood *Robbery Under Arms* World's Classics, no. 510  
 Collins *Such is Life* Angus & Robertson  
 Henry Handel Richardson *The Fortunes of Richard Mahony* Heinemann  
 Katharine Susannah Prichard *Coonardoo* Angus & Robertson  
 Davison *Man-Shy* Angus & Robertson  
 Herbert *Capricornia* Angus & Robertson  
 Eleanor Dark *The Timeless Land* Collins  
 White *Voss* Eyre & Spottiswoode  
 Lawson *Prose Works* Angus & Robertson  
 Murdoch, W., and Drake-Brockman, H. (ed.) *Australian Short Stories* World's Classics, no. 525  
 Murdoch, W. *Selected Essays* Angus & Robertson  
 Stewart, Douglas *Four Plays* Angus & Robertson  
 Lawler *The Summer of the Seventeenth Doll* Fontana

**EXAMINATION:** Two three-hour papers.

**American Literature**

(This unit will not be offered in 1962)

Two lectures and one tutorial a week throughout the year.

**SYLLABUS:** American poetry, fiction, drama and criticism.

**BOOKS:**

## PRESCRIBED BOOKS

Matthiessen, F. O. (ed.) *The Oxford Book of American Verse*  
 Cooper *The Deerslayer*

- Hawthorne *The Scarlet Letter* *Twice-Told Tales* ed. Anderson, Washington Square Press  
 Melville *Moby Dick*  
 Twain *Huckleberry Finn*  
 Crane *The Red Badge of Courage*  
 James *Washington Square* *The Europeans*  
 Edith Wharton *The Age of Innocence* *Ethan Frome*  
 Fitzgerald *The Great Gatsby*  
 Hemingway *The Essential Hemingway* Cape  
 Hemingway *The Old Man and the Sea*  
 Faulkner *The Sound and the Fury* *As I Lay Dying* Modern Library, no. 187  
 Faulkner *Go Down, Moses* Penguin  
 Miller *A View from the Bridge*  
 Anderson *Winterset*  
 O'Neill *The Hairy Ape* Cape  
 Williams *A Streetcar Named Desire*  
 Critical essays and short stories selected in class.

EXAMINATION: Two three-hour papers.

### FOR THE DEGREE WITH HONOURS

#### HONOURS SCHOOL IN ENGLISH

For the Degree with Honours in English the course is of four years and consists of:

- (a) English Literature I, II and III;
- (b) Early English Literature and Language I, II and III;
- (c) additional honours work as specified below;
- (d) English IV (Honours); and
- (e) an approved sub-major and single unit.

#### English I (Honours)

In their first year honours students take English Literature I, Early English Literature and Language I, the first part of the sub-major, and the single unit.

The additional honours work in the first year consists of one hour a week on the elements of criticism, with written exercises but no examination. This course is also open to pass students. Prescribed reading is notified in class.

A student who wishes to proceed to an honours degree but who has not passed Early English Literature and Language I in his first year may, with the permission of the Head of the Department, offer Early English Literature and Language I and II in the same year.

#### English II (Honours)

In their second year honours students take English Literature II, Early English Literature and Language II, the second part of the sub-major, and one three-hour paper on Older Forms of Literature (including epic, romance, allegory, pastoral and satire). Prescribed reading is notified in class.

**English III (Honours)**

In their third year honours students take English Literature III, Early English Literature and Language III, and two three-hour papers on specified topics. In 1962 these are: (a) Theory of Drama and (b) European Fiction. Prescribed reading is notified in class.

Admission to English IV (Honours) is at the discretion of the Head of the Department. A student is normally required to have reached at least second class honours standard in the third year. A student who fails to reach this standard may either repeat the third year or elect to qualify for the Pass Degree.

**English IV (Honours)**

In their fourth year honours students offer seven three-hour papers, viz.:

- (a) the following three papers: Chaucer and Langland, English Literature 1400-1550, and Methods of Scholarship;
- (b) one of the following groups of four papers;
  - (i) Old English Literature, Middle English Literature, History of the English Language, and Old Norse Texts;
  - (ii) three papers on English Literature, 1550-1660, and one paper on the history and theory of literary criticism;
  - (iii) three papers on English Literature, 1660-1789, and one paper on the history and theory of literary criticism;
  - (iv) three papers on English Literature, 1789-1940, including a section of Australian Literature or American Literature, one paper on the history and theory of literary criticism.

Students are also required to write a thesis of about 20,000 words on an approved topic. Suitably qualified candidates may, with the permission of the Head of the Department, substitute for the thesis *two* papers chosen from the following:—

- (i) Old Norse Literature
- (ii) Gothic and Germanic Philology
- (iii) Old French Literature
- (iv) Medieval Latin Literature.

Prescribed reading for all papers is notified in class.

**FOR THE DEGREE OF MASTER OF ARTS**

A candidate for the Degree of Master of Arts in English is required to submit a topic and course of study for a thesis (which must be approved by the Head of the Department), attend classes in critical and bibliographical method, furnish progress reports at regular intervals, and meet his supervisor for the discussion of these reports.

Admission to candidature for the Master's degree is normally granted to a person with an honours degree of sufficient standard. A pass graduate who wishes to become a candidate must complete a qualifying course of two years at honours level, and pass the examinations in it at a satisfactory standard, before beginning the thesis and course work mentioned above.



## DEPARTMENT OF HISTORY

C. M. H. CLARK, M.A., MELB.  
*Professor and Head of the Department*

## INTRODUCTION

Students can study history as part of their work for a degree at the pass level in Arts, Economics or Law. There are seven units available for such students. In the first year they can choose between British History, Ancient History and Modern History A. The second and third year subjects are American History, Australian History, Indian History and Modern History B.

Students can also take the Degree with Honours in the School of History. This is a four year course. The history units include Ancient History, British History, Australian History, American History, Historiography, Indian History, Mediaeval History, Modern History A and B and Renaissance and Reformation History. In addition, students study a language and take a major at the pass level in such subjects as English, philosophy or political science.

Students who have taken the Pass Degree with a major in history can proceed to the Master's degree in two stages. First they take their qualifying examination in three of the subjects for the Degree with Honours. If they succeed in this they then write a thesis on an approved subject. Students who have taken the Degree with Honours proceed to the Master's degree by writing a thesis on an approved subject.

The following units are taught in the Department of History:—

*For pass and honours students:*

American History  
 Ancient History  
 Australian History  
 British History  
 Indian History  
 Modern History A  
 Modern History B

*For students proceeding to the Degree with Honours:*

Historiography  
 Mediaeval History  
 Renaissance and Reformation History

Students proceeding to the Pass Degree may with the permission of the Head of the Department be admitted to one of these subjects and receive credit for it towards their degree after passing in the annual examination.

*General Requirements*

In all units in history students will be required to submit two essays. Students who fail to submit these essays may be excluded from the annual examination.

In all units students will be expected to possess the prescribed text-books as they will be expected to use them both in tutorials and, in some cases, the annual examination.

Students who are beginning their first year of a University course in 1962, may choose one or two of the following units:—

Ancient History  
British History  
Modern History A

Students who wish to do a major or a sub-major in history are advised to discuss their choice of units with the Head of the Department before the beginning of the first term.

### American History

(This unit will not be offered in 1962)

Two lectures and one tutorial a week throughout the year.

SYLLABUS: The history of the United States of America since the end of the eighteenth century.

Students are required to submit two 3,000 word essays during the year.

#### BOOKS:

##### PRELIMINARY READING

Huberman, L. *We, the People* Gollancz

##### PRESCRIBED BOOKS

Birley, R. (ed.) *Speeches and Documents in American History* 4 vols., O.U.P.

Beard, C. A., and M. R. *The Rise of American Civilization* Cape

EXAMINATION: One three-hour paper.

### Ancient History

Two lectures and one tutorial a week throughout the year.

SYLLABUS: The civilizations of Babylon-Assyria, Egypt, Palestine, Greece and Rome; with some introductory material on pre-historical man, and the techniques of archaeology.

Students are required to submit two 3,000 word essays during the year, and to lead two tutorial discussions.

#### BOOKS:

##### PRESCRIBED BOOKS

Childe, V. G. *What Happened in History* Penguin

Kramer, S. N. *History Begins at Sumer* Doubleday

Wilson, J. A. *The Culture of Ancient Egypt* Phoenix Books, Chicago U.P.

Gollenberg, L. H. *Shorter Atlas of the Bible* Nelson

Petrie, A. *An Introduction to Greek History Antiquities and Literature* O.U.P.

Petrie, A. *An Introduction to Roman History Antiquities and Literature* O.U.P.

Herodotus *The Histories* Penguin

*Acts of the Apostles* Penguin

Cicero *Letters* . . . *A Selection* tr. Wilkinson, Arrow Books

EXAMINATION: One three-hour paper.

### Australian History

A course of two lectures and one tutorial a week throughout the year.

**SYLLABUS:** The history of Australia from the eighteenth century to the present.

Students are required to submit two 3,000 word essays during the year.

**BOOKS:**

PRELIMINARY READING

Hancock, W. K. *Australia* Australian Pocket Library  
or Shaw, A. G. L. *The Story of Australia* Faber

It is also recommended that students should begin reading as widely as possible in the field of Australian writing, e.g. the works of Henry Lawson, Tom Collins, A. B. Patterson, Eleanor Dark's *The Timeless Land* (Collins) and H. H. Richardson's *The Fortunes of Richard Mahony* (Heinemann).

PRESCRIBED BOOKS

Clark, C. M. H. (ed.) *Select Documents in Australian History 1788-1850*  
Angus & Robertson  
Clark, C. M. H. (ed.) *Select Documents in Australian History 1851-1900*  
Angus & Robertson  
Fitzpatrick, B. C. *The British Empire in Australia 1834-1939* Melb.  
U. P.  
Greenwood, G. (ed.) *Australia, a Social and Political History* Angus &  
Robertson

**EXAMINATION:** One three-hour paper.

### British History

Two lectures and one tutorial a week throughout the year.

**SYLLABUS:** British history from the eighteenth century to the present.

Students are required to submit two essays during the year.

**BOOKS:**

PRELIMINARY READING

Plumb, J. H. *England in the Eighteenth Century* Pelican  
George, D. *England in Transition* Pelican

PRESCRIBED BOOKS

Plumb, J. H. *England in the Eighteenth Century* Pelican  
Thomson, D. *England in the Nineteenth Century* Pelican  
Woodward, E. L. *The Age of Reform* O.U.P.  
Pelling, H. *Modern Britain* Nelson

**EXAMINATION:** One three-hour paper.

### Indian History

Two lectures and one tutorial a week throughout the year.

**SYLLABUS:** A study of Hindu and Buddhist civilization, the Mughal period, the British period, and the movement for independence.

Students are required to submit two 3,000 word essays during the year.

**BOOKS :**

## PRELIMINARY READING

Edwards, M. *A History of India* Thames & Hudson  
 Kipling, R. *Kim*

## PRESCRIBED BOOKS.

Basham, A. L. *The Wonder that was India* Sidgwick & Jackson  
 Bary, W. T. *Sources of Indian Tradition* O.U.P.  
 Smith, V. A. *The Oxford History of India* 3rd ed., O.U.P., 1958  
 Davies, C. C. *An Historical Atlas of the Indian Peninsula* O.U.P.

**EXAMINATION :** One three-hour paper.

**Modern History A**

Two lectures and one tutorial a week throughout the year.

**SYLLABUS :** A study of some movements in world history from the beginning of the Christian era to the Treaty of Westphalia in 1648. The main movements studied will be the rise and spread of Christianity and Islam, the mediaeval civilization, the renaissance, the discovery of the new world, the expansion of Europe in Asia, the protestant and catholic reformations, the history of science, and the growth of secular societies.

Students are required to submit two 3,000 word essays during the year.

**BOOKS :**

## PRELIMINARY READING

Dawson, C. *The Making of Europe* Sheed & Ward  
 Heaton, H. *Economic History of Europe* Harper  
 Barraclough, G. *History in a Changing World* Blackwell

## PRESCRIBED BOOKS

Bettenson, H. (ed.) *Documents of the Christian Church* O.U.P.  
 Gibbon, E. *The History of the Decline and Fall of the Roman Empire*  
 Everyman

## REFERENCE BOOKS

Huizinga, J. *The Waning of the Middle Ages* Pelican  
 Panikkar, H. M. *Asia and Western Dominance* Allen & Unwin  
 Pirenne, H. *Economic and Social History of Mediaeval Europe* Kegan  
 Paul  
 Stephenson, C. *Mediaeval History* Harper  
 Bloch, M. *Feudal Society* Routledge

**EXAMINATION :** One three-hour paper.

**Modern History B**

Two lectures and one tutorial a week throughout the year.

**SYLLABUS :** The history of European civilization in the nineteenth and twentieth centuries.

Students are required to submit two 3,000 word essays during the year.

## BOOKS:

## PRESCRIBED BOOKS

- Saunders, J. J. *The Age of Revolution* Roy  
 Adoratsky, V. (ed.) *The Correspondence of Marx and Engels* Lawrence & Wishart  
 Hales, E. E. Y. *The Catholic Church in the Modern World* Image Books  
 Thomson, D. *World History from 1914 to 1950* H.U.L.

## REFERENCE BOOKS

- Thomson, D. W. *Europe Since Napoleon* Green  
 Clapham, J. H. *The Economic Development of France and Germany 1815-1914* C.U.P.  
 Woodward, E. L. *Three Studies in European Conservatism* Constable  
 Taylor, A. J. P. *The Struggle for Mastery in Europe 1848-1918* O.U.P.  
 Hayes, C. J. H. *A Generation of Materialism 1871-1900* Harper  
 Kohn, H. *Prophets and Peoples* Macmillan  
 Wilson, E. *To the Finland Station* Doubleday  
 Wolfe, B. *Three Who Made a Revolution* Thames & Hudson

EXAMINATION: One three-hour paper.

## FOR THE DEGREE WITH HONOURS

## HONOURS SCHOOL IN HISTORY

For the Degree with Honours in the School of History, students will study eight of the following units:—

- American History
- Ancient History
- Australian History
- British History
- Historiography
- Indian History
- Mediaeval History
- Modern History A
- Modern History B
- Renaissance and Reformation History

or, in fourth year, one other approved history unit.

Students for the Degree with Honours must also take an approved major selected from subjects of the Degree of Bachelor of Arts (Pass Degree). Students who wish to be considered for first class honours in their final examination must satisfy the Head of the Department that they can translate from one language other than English. They will be encouraged to study German, French, Russian or Latin.

*Note:* (a) except with the permission of the Faculty, no candidate for honours in this School may sit for examination without completing the essay work prescribed and attending the tutorial classes in the units of the School;

(b) the Head of the Department may allow a change at the end of the first year in the supporting major.

The units chosen for the Degree with Honours must be approved by the Head of the Department and will normally be taken in the following order:—

*First year:* At honours standard, two of

Ancient History  
British History  
Modern History A.

At pass standard, the first part of an approved major.

*Second year:* At honours standard, two of

British History  
Mediaeval History  
Modern History B  
Renaissance and Reformation History.

At pass standard, the second part of an approved major.

*Third year:* At honours standard, two of

American History  
Australian History  
Indian History  
Mediaeval History  
Modern History B  
Renaissance and Reformation History.

At pass standard, the third part of an approved major.

*Fourth year:* Historiography

A thesis of 10,000 words on an approved topic.  
An approved unit in history.

#### *Comments*

(a) Students who have completed the first year must be approved by the Faculty of Arts as candidates for the Degree with Honours before entering the second year of the Honours School. The Head of the Department will normally recommend such approval for candidates who have gained first class or second class honours in the two history units. Candidates who have failed to gain first or second class honours in these units, but who wish to continue in the Honours School, should interview the Head of the Department, who will be guided in his recommendations by the merits of the case. Such students, if allowed to continue in the Honours School, may be required to take special papers during their second year.

A student who has not attempted honours in these units and who, at the end of the first year wishes to enter the Honours School, must make special application to the Faculty through the Sub-Dean for permission to do so. If such permission is granted the Faculty will prescribe what further work must be completed before the student is allowed to proceed to the final examinations.

(b) Students may also be advised to attend other lecture courses which are regarded as relevant to their work.

(c) The second and third years of the honours course are regarded as forming a continuous whole. Students, who during their second year, have made satisfactory progress in the history units of this year, will be admitted to the third year of the School without formal examination on the honours part of their unit. Students whose progress in these units during the first two

terms is not for this purpose considered satisfactory will be notified at the end of the second term that they must sit for an annual examination in the honours part of their unit at the end of the second year. All students will be required to sit for the pass examination in their units at the end of the second and third years.

(d) The final examination is divided into two parts. Part I is taken at the end of the third year and counts equally with Part II towards the final result. Part I consists of one three-hour paper in the history units studied in the second and third years of the course. Part II consists of an examination of the two units studied in the fourth year, together with the thesis, which must be handed in on or before the day on which the fourth year examinations begin.

Students who have satisfied examiners in Part I of the final examination and who are unable to proceed to the fourth year may, with the approval of the Faculty, be admitted to the Degree of Bachelor of Arts (Pass Degree).

### American History (Honours)

The lectures in American History as for the Pass Degree, together with a weekly tutorial throughout the year.

SYLLABUS: As for the Pass Degree, together with more advanced work and documentary study.

#### BOOKS:

As for American History.

EXAMINATION: One three-hour paper in addition to the paper for the Pass Degree.

### Ancient History (Honours)

The lectures in Ancient History as for the Pass Degree, together with a weekly tutorial throughout the year.

SYLLABUS: Fifth Century Athens.

#### BOOKS:

##### PRESCRIBED BOOKS

Thucydides *Peloponnesian War* Everyman  
Aristotle *Politics* Everyman

EXAMINATION: One three-hour paper in addition to the paper for the Pass Degree.

### Australian History (Honours)

The lectures in Australian History as for the Pass Degree, together with a weekly tutorial throughout the year.

SYLLABUS: As for the Pass Degree, together with more advanced work and documentary study.

#### BOOKS:

As for Australian History.

EXAMINATION: One three-hour paper in addition to the paper for the Pass Degree.

**British History (Honours)**

The lectures in British History as for the Pass Degree, together with a weekly tutorial throughout the year.

**SYLLABUS:** As for the Pass Degree, together with special study of the period of the Industrial Revolution.

**BOOKS:**

## PRELIMINARY READING

George, D. *England in Transition* Pelican  
Plumb, J. H. *England in the Eighteenth Century* Pelican

## PRESCRIBED BOOKS

Taylor, P. A. M. (ed.) *The Industrial Revolution in Britain* Heath  
Ashton, T. S. *The Industrial Revolution* H.U.L.  
Toynbee, A. *The Industrial Revolution* Longmans  
Marx, K. *Capital* Everyman  
Young, G. M. *Portrait of an Age* O.U.P.

**EXAMINATION:** One three-hour paper in addition to the paper for the Pass Degree.

**Historiography**

A weekly tutorial throughout the year.

**SYLLABUS:** A study of the problems of writing history, of the work of some of the main historians, together with a brief examination of historical writing in Australia from the earliest times to the present day.

In 1962 the following historians will be studied:—Acton, Gibbon, Herodotus, Macaulay, Marx, Prescott, Thucydides.

The works of the following Australian historians will be discussed in 1962:—Lang, West, Rusden, Turner, Scott, G. A. Wood, B. Fitzpatrick and O'Brien.

**EXAMINATION:** One three-hour paper.

**Indian History (Honours)**

The lectures in Indian History as for the Pass Degree, together with a weekly tutorial throughout the year.

**SYLLABUS:** As for the Pass Degree, together with more advanced work and documentary study.

**BOOKS:**

As for Indian History.

**EXAMINATION:** One three-hour paper in addition to the paper for the Pass Degree.

**Mediaeval History**

Students wishing to enrol for this unit in 1962 must satisfy the Head of the Department that they can read Latin.

A weekly tutorial throughout the year.



**SYLLABUS:** European history from the ninth century to the early fifteenth century.

**BOOKS:**

PRELIMINARY READING

Power, E. *Medieval People*. Pelican

PRESCRIBED BOOKS

Stephenson, C. *Mediaeval History* Harper

Pirenne, H. *A History of Europe from the Invasions to the 16th Century*  
Allen & Unwin

**EXAMINATION:** Two three-hour papers.

**Modern History A (Honours)**

The lectures in Modern History A as for the Pass Degree, together with a weekly tutorial throughout the year.

**SYLLABUS:** As for the Pass Degree, together with a special study of the Enlightenment.

**BOOKS:**

PRESCRIBED BOOKS

Condorcet, M. *Sketch for a Historical Picture of the Progress of the Human Mind* Weidenfeld & Nicholson

Hazard, P. *European Thought in the 18th Century: from Montesquieu to Lessing* Hollis & Carter

**EXAMINATION:** One three-hour paper in addition to the paper for the Pass Degree.

**Modern History B (Honours)**

The lectures in Modern History B as for the Pass Degree, together with a weekly tutorial throughout the year.

**SYLLABUS:** A special study of the history of Russia from 1861 to the present.

**BOOKS:**

PRELIMINARY READING

Trotsky, L. *The Russian Revolution* Doubleday

PRESCRIBED BOOKS

Sumner, B. H. *Survey of Russian History* Duckworth

Pokrovsky, M. N. *Brief History of Russia* 2 vols., Martin Lawrence

Lenin, V. I. *Selected Works* 2 vols., Foreign Languages Publishing House, Moscow, 1950

**Renaissance and Reformation History**

A weekly tutorial throughout the year.

**SYLLABUS:** A history of the renaissance and reformation.

## BOOKS:

## PRELIMINARY READING

Huizinga, J. *The Waning of the Middle Ages* Pelican

## PRESCRIBED BOOKS

Burckhardt, J. *The Civilization of the Renaissance* Phaidon

Kerr, H. T. (ed.) *A Compend of Luther's Theology* Westminster Press

Kerr, H. T. (ed.) *A Compend of the Institutes of the Christian Religion by*

*John Calvin* Presbyterian Board of Christian Education, Philadelphia

Jedin, H. *A History of the Council of Trent* Nelson

## FOR THE DEGREE OF MASTER OF ARTS

Students who have received at least second class honours in the final examination for the Degree with Honours in the School of History may proceed to the Master's degree by thesis and oral examination. The subject for their thesis must be approved by the Head of the Department.

The thesis should be about 50,000 words.

The Head of the Department with the approval of the Faculty require a student to attend classes in units related to the thesis, and acquire a reading knowledge of any language considered relevant for the thesis.

All students for the degree will be required to attend a discussion class once a fortnight in term time.

## MASTER OF ARTS—QUALIFYING EXAMINATION

Students who have taken a major in history at this or any recognized University or who have followed courses which in the opinion of the Head of the Department are relevant to the courses in history in the School of General Studies for the Pass Degree may proceed to the Master's degree by first passing a qualifying examination.

The units for the examination will be three of the prescribed history units for the Degree with Honours.

After passing the qualifying examination they may then proceed to the Master's degree by thesis and oral examination.

## DEPARTMENT OF MATHEMATICS

A. BROWN, M.A. GLAS., PH.D. CANTAB.  
*Professor and Head of the Department*

## INTRODUCTION

Mathematics may be studied either for the intellectual pleasure derived from the elegance and precision of its many techniques or because a mastery of some of these techniques provides a powerful tool for solving many of the problems of science, engineering, and economics. Because these two aspects of mathematics overlap considerably the Department is able to offer general courses designed to cater for both these aspects.

The Department runs a three-year course Pure Mathematics I, II, and III consisting of algebra, geometry, and analysis in each of the stages, and a three-year course Applied Mathematics I, II, and III consisting of mechanics and field theory. These courses may be taken concurrently by a student specialising in mathematics as part of a Bachelor's degree in Arts or Science, while sections of these courses may also be taken by students specialising in other subjects, and in some cases they are compulsory prerequisites.

Courses of lectures, tutorials and written work are arranged for the students and those wishing to study for an honours degree will be required to undertake additional work.

Tutorial classes will be held in all units. The work done in these classes, and the results of tests held during the year, will carry considerable weight in the annual examination, and students whose work during the year is unsatisfactory may be excluded from the final examinations.

Fourth year students who have completed both the pure and applied mathematics courses will specialise on a small selection of topics; facilities are being planned for postgraduate study and research in mathematics.

## PRELIMINARY READING

*Historical:*

- Turnbull, H. W. *The Great Mathematicians* Methuen  
 Hobson, E. W. *John Napier and the Invention of Logarithms* C.U.P.  
 Ball, W. W. R. *A Short History of Mathematics* Macmillan  
 Bell, E. T. *Men of Mathematics* Pelican  
 Hooper, A. *Makers of Mathematics* Faber  
 van der Waerden, B. L. *Science Awakening* Groningen

*Popular:*

- Whitehead, A. N. *Introduction to Mathematics* H.U.L. Butterworth  
 Bell, E. T. *Mathematics, Queen and Servant of Science* McGraw-Hill  
 Dantzig, T. *Number, the Language of Science* Allen & Unwin  
 Titchmarsh, E. C. *Mathematics for the General Reader* Hutchinson  
 Read, A. H. *Signpost to Mathematics* Thrift Books  
 Northrop, E. P. *Riddles in Mathematics*. Hodder & Stoughton  
 Sawyer, W. W. *Prelude to Mathematics*. Pelican

Sawyer, W. W. *A Concrete Approach to Abstract Algebra* Freeman  
 Ball, W. W. R. *Mathematical Recreations and Essays* Macmillan  
 Andrade, E. N. DaC. *Isaac Newton* Max Parish

FOR THE PASS DEGREE

**Pure Mathematics I**

Four lectures and one tutorial a week.

**SYLLABUS:** (i) *Calculus:* Differentiation and systematic integration with the usual applications. The standard elementary functions. Introduction to infinite series and to differential equations.  
 (ii) *Geometry:* Methods of analytic geometry and vector algebra, in two and three dimensions. Conic sections. Polar coordinates.  
 (iii) *Algebra:* Linear equations. Determinants. Properties of polynomials. Complex numbers.

It will be assumed that students attending this course have a knowledge of the work prescribed for Mathematics I and II at the N.S.W. Leaving Examination.

**BOOKS:**

PRESCRIBED BOOKS

Caunt, G. W. *An Introduction to the Infinitesimal Calculus* O.U.P.  
 Weatherburn, C. E. *Elementary Vector Analysis* Bell  
 Tuckey, C. O. and Armistead, W. *Coordinate Geometry* Longmans  
 Ferrar, W. L. *Higher Algebra for Schools* O.U.P.

REFERENCE BOOKS

Taylor, A. E. *Calculus with Analytic Geometry* Prentice-Hall  
 Kells, L. M. *Analytic Geometry and Calculus* Prentice-Hall  
 Thomas, G. B. *Calculus and Analytic Geometry* Addison-Wesley  
 MacDuffee, C. C. *Theory of Equations* Wiley  
 Osgood, W. F. and Graustein, W. C. *Plane and Solid Analytic Geometry* Macmillan

Students are advised to consult the lecturer in charge of the course before purchasing books listed as reference books.

**EXAMINATION:** Two three-hour papers.

**Pure Mathematics II**

Four lectures and one tutorial a week.

**SYLLABUS:** (i) *Calculus:* Continuity. Mean-value theorems. Taylor's theorem and Maclaurin's theorem. Power series for the standard functions. Partial differentiation. Multiple integrals. Introduction to vector analysis. Vector integral theorems. Differential equations.  
 (ii) *Complex functions:* The standard functions of a complex variable. Introduction to theory of functions.  
 (iii) *Geometry:* Conic sections, general equation of second degree. The standard quadrics. Curves and surfaces.  
 (iv) *Linear algebra:* Theory of finite groups. Introduction to matrices. Latent vectors and latent roots. Reduction to diagonal form.

A knowledge of the work for Pure Mathematics I will be assumed throughout the course.

## BOOKS:

## PRESCRIBED BOOKS

- Maxwell, E. A. *Analytical Calculus* C.U.P. (Vols. III, IV)  
 or a calculus text as prescribed for Pure Mathematics I  
 Knopp, K. *Elements of the Theory of Functions* Dover  
 Ferrar, W. L. *Algebra: A text-book of determinants, matrices and quadratic forms* O.U.P.

## REFERENCE BOOKS

- Green, S. L. *Differential Equations* Univ. Tutorial Press  
 Rutherford, D. E. *Vector Methods* Oliver & Boyd  
 Brand, L. *Vector Analysis* Wiley  
 Bell, R. J. T. *Coordinate Geometry of Three Dimensions* Macmillan  
 Somerville, D. M. Y. *Analytical Geometry of Three Dimensions* C.U.P.  
 Ledermann, W. *Introduction to Theory of Finite Groups* Oliver & Boyd  
 Courant, R. *Differential and Integral Calculus* 2 vols., Blackie  
 Hardy, G. H. *Pure Mathematics* C.U.P.

EXAMINATION: Two three-hour papers.

**Pure Mathematics III**

Four lectures and one tutorial a week.

- SYLLABUS: (i) *Real analysis*: Selected topics from theory of functions of one or more variables. Operations on series and integrals.  
 (ii) *Complex analysis*: Analytic functions. Complex integration and Cauchy's theorem. Conformal representation.  
 (iii) *Harmonic analysis*: Fourier series. Fourier and Laplace transforms.  
 (iv) *Algebra*: Vector spaces. Matrices and quadratic forms. Groups, rings and fields.  
 (v) *Geometry*: Differential geometry of curves and surfaces.

## BOOKS:

## REFERENCE BOOKS

*Real Analysis and Harmonic Analysis:*

- Maxwell, E. A. *Analytical Calculus* C.U.P. (Vol. IV)  
 Titchmarsh, E. C. *Theory of Functions* O.U.P.  
 Apostol, T. M. *Mathematical Analysis* Addison-Wesley

*Complex Analysis:*

- Titchmarsh, E. C. *Theory of Functions* O.U.P.  
 Hille, E. *Analytic Function Theory* Ginn (Vol. I)  
 Phillips, E. G. *Functions of a Complex Variable* Oliver & Boyd

*Algebra:*

- Ledermann, W. *Introduction to Theory of Finite Groups* Oliver & Boyd  
 Murdoch, D. C. *Linear Algebra for Undergraduates* Wiley

*Geometry:*

- Rutherford, D. E. *Vector Methods* Oliver & Boyd  
 Weatherburn, C. E. *Differential Geometry* C.U.P. (Vol. I)

EXAMINATION: Two three-hour papers.

**Applied Mathematics I**

Three lectures and one tutorial a week.

SYLLABUS: (i) *Dynamics*: Displacement, velocity and acceleration, and their specification and composition. Principles of dynamics. Work and energy. Impulse. Applications to the motion of a particle and of systems of particles, and of a rigid body moving in two dimensions.

(ii) *Statics*: Centre of gravity. Reduction of a force system in a plane. Equilibrium of particles and rigid bodies under coplanar forces. Stability. Graphical statics. Bending moments.

(iii) *Hydrostatics*: Thrusts on plane and curved surfaces. Centre of pressure. Floating bodies, equilibrium and stability.

(iv) Miscellaneous topics in electrostatics, or in elasticity.

**BOOKS:**

PRESCRIBED BOOKS

Bullen, K. E. *Introduction to the Theory of Mechanics* Science Press

REFERENCE BOOKS

Weatherburn, C. E. *Elementary Vector Analysis* Bell

Ramsey, A. S. *Hydrostatics* C.U.P.

Ramsey, A. S. *Statics* C.U.P.

Students are advised to consult the lecturer in charge of the course before purchasing books listed as reference books.

EXAMINATION: Two three-hour papers.

**Applied Mathematics II**

Three lectures a week, with practice classes.

SYLLABUS: (i) Review of dynamical principles.

(ii) *Mechanics*: Particles and rigid bodies in two and (in simple cases) in three dimensions. Energy and Lagrange's equations. Oscillatory systems and waves.

(iii) *Electricity*: Networks and scalar field theory.

(iv) Vector algebra and differentiation. Differential equations. Fourier series. Legendre and Bessel functions.

**BOOKS:**

PRELIMINARY READING

Weatherburn, C. E. *Elementary Vector Analysis* Bell

Ramsey, A. S. *Dynamics, Part I* C.U.P.

PRESCRIBED BOOKS

Jaeger, J. C. *Introduction to Applied Mathematics* C.U.P.

Ramsey, A. S. *Dynamics, Part II* C.U.P.

REFERENCE BOOKS

Weatherburn, C. E. *Elementary Vector Analysis* Bell

Weatherburn, C. E. *Advanced Vector Analysis* Bell

Coulson, C. A. *Electricity* Oliver & Boyd

MacRobert, T. M. *Spherical Harmonics* Methuen

Syngé, J. L., and Griffith, B. A. *Principles of Mechanics*. McGraw-Hill

EXAMINATION: Two three-hour papers.

**Applied Mathematics III**

Three lectures a week, with practice classes.

**SYLLABUS:** A selection of topics from:

- (i) *Differential Equations:* Existence theorem. Sturm-Liouville system. Special functions. Approximations. Operational methods.
- (ii) *Mechanics:* Moving axes. Coriolis and centrifugal forces. Holonomic systems. Lagrange's and Hamilton's equations. Calculus of variations.
- (iii) *Elasticity:* Analysis of stress and strain. Cylindrical and spherical coordinates. Bending and vibration of thin plates and rods.
- (iv) *Hydrodynamics:* Circulation. Irrotational flow. Waves.
- (v) *Electricity:* Maxwell's equations. Reflection and refraction. Invariance under Lorentz transformation. Fields round simple bodies.

**BOOKS:****REFERENCE BOOKS**

- Whittaker, E. T. *Analytical Dynamics* C.U.P. or Dover  
 Corben, H. C. and Stehle, P. *Classical Mechanics* Wiley  
 Ince, E. L. *Ordinary Differential Equations* Dover  
 Carslaw, H. S. and Jaeger, J. C. *Operational Methods in Applied Mathematics* O.U.P.  
 Sokolnikoff, I. S. *Mathematical Theory of Elasticity* McGraw-Hill  
 Milne Thomson, L. M. *Theoretical Hydrodynamics* Macmillan  
 Lamb, H. *Dynamical Theory of Sound* Dover  
 Jeans, J. H. *Electricity and Magnetism* C.U.P.

**EXAMINATION:** Two three-hour papers.

**FOR THE DEGREE WITH HONOURS****HONOURS SCHOOL IN MATHEMATICS****Pure Mathematics I****Pure Mathematics II****Pure Mathematics III****Applied Mathematics I****Applied Mathematics II****Applied Mathematics III**

Details of the above units will be as for the Pass Degree but honours students will be required to undertake additional work.

Students who have attained a sufficient standard in the first three years of both Pure and Applied Mathematics may be admitted to the fourth (Honours) year. This will consist of a course of study in several specialised topics chosen in consultation with the Professor of Mathematics.

There will be a written examination at the end of the year.

**FOR THE DEGREE OF MASTER OF ARTS**

Details will be arranged by the Professor of Mathematics.

**FOR THE DEGREE OF DOCTOR OF PHILOSOPHY**

Details will be arranged by the Professor of Mathematics.

## DEPARTMENT OF MODERN LANGUAGES

D. P. SCALES, B.A. SYD., D. DE L'U. PARIS

*Professor and Head of the Department*

## INTRODUCTION

The courses in the Department of Modern Languages are designed to give students a good command of the French, German and Russian languages, spoken and written, an acquaintance with the civilizations of France, Germany and Russia, a knowledge of literary history, a training in the methods of literary criticism, a personal appreciation of significant works of literature, and, in the case of Russian, an insight into the political organization and administrative structure of the Soviet Union.

## FRENCH LANGUAGE AND LITERATURE

For the Pass Degree of Bachelor of Arts the Department of Modern Languages offers a three-year course in French Language and Literature, and a two-year course in French language and literature of the Middle Ages and of the sixteenth century, styled French Studies A and B.

In the first year of French Language and Literature, the student is introduced to the literature of the nineteenth century (the novel, Romantic poetry and the *drame*) and to aspects of French civilization; he also takes courses in translation from French into English and from English into French, in free composition, phonetics, conversation and dictation. In the second and third years, a study is made of the literature of the seventeenth and eighteenth centuries, of selected nineteenth-century poets and of selected twentieth-century texts; the syllabus also includes essays in French, translation from French into English and from English into French, discussions in French and dictation.

In French Studies A, an introduction is given to the development of the French language, and selected texts of the medieval period are studied. In French Studies B, a study is made of the language of the sixteenth century, of the literary history of the period and of a number of selected texts.

To be accepted as a candidate for the Degree with Honours in French, a student must gain a pass with merit in French Language and Literature I. The candidate must then take French Language and Literature II and III, and French Studies A and B. The fourth-year syllabus comprises literature of the twentieth century, detailed study of two topics chosen by the candidate before the end of his third year in consultation with the staff of the Department, and advanced language work.

To be admitted to French Language and Literature I, a student should have obtained an 'A' pass at the N.S.W. Leaving Certificate Examination, or have reached the same standard at an equivalent examination. Students who have not reached this standard may be admitted by special permission of the Head of the Department.



A student taking French Studies A or B must have, or acquire, a knowledge of Latin; and, except by special permission of the Head of the Department, a pass in French Language and Literature I is a prerequisite for either of these units.

In all units, work done during the year will be taken into account in the determining of examination results. Any student who fails to hand in the set essays by the due dates, or to participate regularly in the weekly language exercises and discussions, may be excluded from the annual examination.

The following books, of special relevance and usefulness in the study of French, are recommended for reference and general reading:—

- Knight, R. C., and George, F. W. A. *Advice to the Student of French*  
Blackwell  
Ritchie, R. L. G., et al. *France—A Companion to French Studies*  
Methuen  
Roe, F. C. *Modern France—An Introduction to French Civilization*  
Longmans  
Martinon, P. *Comment on parle en français* Larousse  
Martinon, P. *Comment on prononce le français* Larousse

Students are advised to provide themselves with their own copies of the following books (at the least those marked with an asterisk):—

- Harrap's Standard French and English Dictionary* 2 vols and supplement  
or \**Harrap's Shorter French-English and English-French Dictionary*  
*Nouveau Petit Larousse Illustré*  
Quillet-Flammarion *Dictionnaire usuel*  
Grevisse, M. *Le Bon Usage* Duculot  
\*Mansion, J. E. *A Grammar of Present-day French* Harrap

#### FOR THE PASS DEGREE

The major in French is French Language and Literature I, II and III, in that order.

The sub-majors are (a) French Language and Literature I and II, in that order; (b) French Studies A and B, in either order.

The single units are: French Language and Literature I, French Studies A, and French Studies B.

#### French Language and Literature I

Three lectures and two tutorials a week throughout the year.

- SYLLABUS: (i) literature of the nineteenth century;  
(ii) French civilization;  
(iii) translation from French into English;  
(iv) translation from English into French;  
(v) free composition; and  
(vi) phonetics, conversation and dictation.

BOOKS:

PRESCRIBED BOOKS

- Stendhal *Le Rouge et le Noir* Garnier, Cluny or Nelson  
 Hugo, V. *Notre-Dame de Paris* Garnier or Nelson  
 Balzac, H. de *Le Père Goriot* Garnier or Nelson  
 Flaubert, G. *Madame Bovary* Garnier or Nelson  
 Zola, E. *Germinal* Le Livre de Poche or Fasquelle  
 Hugo, V. *Hernani* Classiques Larousse  
 Selected poems of Lamartine, Hugo, Vigny and Musset—to be issued by the Department  
 Bruézière, M., and Mauger, G. *La France et ses écrivains*  
 Hachette (for translation and for use in conversation classes)  
 Armstrong, L. *The Phonetics of French* Bell

EXAMINATION: Three three-hour papers (the first on translation from French into English, prepared and unseen; the second on translation from English into French and free composition; the third on the literature of the nineteenth century); tests in phonetics, reading aloud, conversation, and dictation.

French Language and Literature II

Three lectures and two tutorials a week throughout the year.

- SYLLABUS: (i) literature of the seventeenth or eighteenth century (in alternate years);  
 (ii) selected twentieth-century texts;  
 (iii) essays in French;  
 (iv) translation from French into English, prepared and unseen;  
 (v) translation from English into French; and  
 (vi) conversation and dictation.

BOOKS:

PRESCRIBED BOOKS (1962)

- Lagarde, A., and Michard, L. *XVIIe siècle* Bordas  
 Corneille *Le Cid Polyeucte* Classiques Larousse  
 Racine *Andromaque Athalie* Classiques Larousse  
 Molière *L'Avare Le Misanthrope* Classiques Larousse  
 Gide, A. *La Porte étroite* Harrap  
 Proust, M. *Combray* Harrap  
 Alain-Fournier, H. *Le Grand Meaulnes* Emile-Paul  
 Bruézière, M., and Mauger, G. *La France et ses écrivains* Hachette (For translation)

PRESCRIBED BOOKS (1963)

- Lagarde, A., and Michard, L. *XVIIIe siècle* Bordas  
 Montesquieu *Lettres persanes* Hachette or Garnier  
 Marivaux *Le Jeu de l'Amour et du hasard* Harrap or Classiques Larousse  
 L'abbé Prévost *Histoire du chevalier Des Grieux et de Manon Lescaut*  
 C.U.P., Cluny or Garnier  
 Voltaire *Candide* Blackwell or London U.P.  
 Rousseau, J.-J. *Les Rêveries du promeneur solitaire* Manchester U.P. or Garnier  
 Beaumarchais *Le Barbier de Séville* Harrap or Classiques Larousse  
 Beaumarchais *Le Mariage de Figaro* Classiques Vaubourdolle (Hachette) or Classiques Larousse

Gide, A. *La Porte étroite* Harrap  
 Proust, M. *Combray* Harrap  
 Alain-Fournier, H. *Le Grand Meaulnes* Emile-Paul  
 Bruzère, M., and Mauger, G. *La France et ses écrivains* Hachette (For translation)

**EXAMINATION:** One three-hour paper on translation from French into English, prepared and unseen; one two-hour paper on translation from English into French; two three-hour papers on the literature of the seventeenth or eighteenth century; oral test, in French, on the prescribed twentieth-century texts; tests in reading aloud and dictation.

### French Language and Literature III

Three lectures and two tutorials a week throughout the year.

**SYLLABUS:** As for French Language and Literature II, but instead of prepared translation from French into English, a study of nineteenth-century poetry.

#### BOOKS:

##### PRESCRIBED BOOKS (1962)

Lagarde, A., and Michard, L. *XVIIe siècle* Bordas  
 Corneille *Le Cid Polyeucte* Classiques Larousse  
 Racine *Andromaque Athalie* Classiques Larousse  
 Molière *L'Avare Le Misanthrope* Classiques Larousse  
 Parmée, D. *Twelve French Poets* Longmans  
 Giraudoux, J. *La Guerre de Troie n'aura pas lieu* London U.P.  
 Sartre, J.-P. *La Nausée* Coll. Pourpre, Gallimard  
 Camus, A. *La Peste* Le Livre de Poche, Gallimard

##### PRESCRIBED BOOKS (1963)

Lagarde, A., and Michard, L. *XVIIIe siècle* Bordas  
 Montesquieu *Lettres persanes* Hachette or Garnier  
 Marivaux *Le Jeu de l'amour et du hasard* Harrap or Classiques Larousse  
 L'abbé Prévost *Histoire du chevalier Des Grieux et de Manon Lescaut*  
 C.U.P., Cluny or Garnier  
 Voltaire *Candide* Blackwell or London U.P.  
 Rousseau, J.-J. *Les Rêveries du promeneur solitaire* Manchester U.P. or Garnier  
 Beaumarchais *Le Barbier de Séville* Harrap or Classiques Larousse  
 Beaumarchais *Le Mariage de Figaro* Classiques Vaubourdolle (Hachette) or Classiques Larousse  
 Parmée, D. *Twelve French Poets* Longmans  
 Giraudoux, J. *La Guerre de Troie n'aura pas lieu* London U.P.  
 Sartre, J.-P. *La Nausée* Coll. Pourpre, Gallimard  
 Camus, A. *La Peste* Le Livre de Poche, Gallimard

**EXAMINATION:** Four three-hour papers (the first on translation from French into English (unseen) and from English into French; the second on the nineteenth-century poets; the third and fourth on the literature of the seventeenth or eighteenth century); oral test, in French, on the prescribed twentieth-century texts; tests in reading aloud and dictation.

**French Studies A**

(This unit will be offered in 1962 and alternate years.)

Two lectures and one tutorial a week throughout the year.

SYLLABUS: Medieval French literature and history of the language.

**BOOKS:**

## PRESCRIBED BOOKS

- La Chanson de Roland* ed. F. Whitehead, Blackwell  
 Chrétien de Troyes *Le Chevalier à la charrette* ed. M. Roques, Classiques français du moyen âge  
*Fabliaux* ed. T. B. W. Reid, Blackwell  
 Bodel, J. *Le Jeu de saint Nicolas* ed. F. J. Warne, Blackwell  
 Pope, M. K. *From Latin to Modern French* 2nd ed., Manchester U.P.

EXAMINATION: Two three-hour papers.

**French Studies B**

(This unit will be offered in 1963 and alternate years.)

Two lectures and one tutorial a week throughout the year.

SYLLABUS: Language and literature of the sixteenth century.

**BOOKS:**

## PRESCRIBED BOOKS

- Lagarde, A., and Michard, L. *XVIIe siècle* Bordas  
 Rabelais *Pages choisies* 2 vols., Classiques Larousse  
 Montaigne *Essais Extraits*, 2 vols., Classiques Larousse  
 Du Bellay *Œuvres choisies* Classiques Larousse  
 Ronsard *Poésies choisies* 2 vols., Classiques Larousse  
 Garnier *Les Juifves* Garnier

EXAMINATION: Two three-hour papers.

**FOR THE DEGREE WITH HONOURS****HONOURS SCHOOL IN FRENCH**

For the Degree with Honours in French the course is for four years and consists of:

- (a) French Language and Literature I, II and III;
- (b) French Studies A and B;
- (c) French IV (Honours); and
- (d) an approved major and two approved single units.

**First Year**

In their first year prospective honours students take French Language and Literature I, the first part of the major, and the two single units. To qualify for admission to the Honours School they must gain a pass with merit in French Language and Literature I.

**French II (Honours)**

In their second year honours students take French Language and Literature II, French Studies A or B (these units being offered in alternate years), and the second part of the major.

**French III (Honours)**

In their third year honours students take French Language and Literature III, French Studies A or B (these units being offered in alternate years), and the third part of the major.

Admission to French IV (Honours) is at the discretion of the Head of the Department, and normally requires the student to have gained at least credit in the third year.

**French IV (Honours)**

Classes to be arranged.

SYLLABUS: (i) the novel, 1913-1939;  
 (ii) the theatre in the twentieth century;  
 (iii) two topics under the following heading: detailed study of a genre, movement, major author, or linguistic subject;  
 (iv) essays in French;  
 (v) advanced translation from French into English and from English into French; and  
 (vi) spoken French.

EXAMINATION: Six three-hour papers, the first and second on section (v) of the syllabus, the third on section (i), the fourth on section (ii), the fifth and sixth on section (iii), and an oral examination in French on the whole year's work.

**FOR THE DEGREE OF MASTER OF ARTS**

An honours degree normally qualifies a student to read for the Degree of Master of Arts. A student with the pass degree who wishes to read for the Master's degree may do so by completing a qualifying course at honours level after he has finished his pass degree, and passing the examination.

A candidate for the Master's degree is required to submit a topic and course of study for a thesis (which must be approved by the Head of the Department), to attend classes in critical and bibliographical method, to furnish progress reports at regular intervals, and to meet the supervisor for discussion of these reports.

**GERMAN LANGUAGE AND LITERATURE**

For the Pass Degree of Bachelor of Arts the Department of Modern Languages offers a three-year course in German Language and Literature of the eighteenth, nineteenth and twentieth centuries, and a two-year course in German Language and Literature of the Middle Ages, the Sixteenth and Seventeenth Centuries, styled German Studies A and B.

In German Language and Literature I the student is introduced to German Literature (Lyric and *Novelle*), and to aspects of German civilization; he also takes courses in translation from German into English and from English into

German, in free composition, phonetics, conversation and dictation. In the second and third years, a study is made of the literature of the eighteenth and nineteenth centuries, and of selected twentieth-century texts; the syllabus also includes essays in German, translation from German into English and from English into German, discussions in German, and dictation.

For students without any previous knowledge of German a course in elementary German (German IA) is offered. When followed by German I and II, German IA counts as a unit towards the pass or honours degree of Bachelor of Arts.

In German Studies A, an introduction is given to the development of the German language, and selected texts of the medieval period are studied.

In German Studies B, a study is made of Early New High German, of the literature of Renaissance, Reformation and Baroque, and of selected texts.

To be accepted as a candidate for the Degree with Honours in German Language and Literature, a student must gain a Pass with Merit in German Language and Literature I. The candidate must then take German Language and Literature II and III, and German Studies A and B. The fourth-year syllabus comprises literature of the twentieth century, advanced studies in linguistic and literary appreciation, the history and methods of German literary criticism, and advanced language exercises.

To be admitted to German Language and Literature I, a student should have obtained an "A" pass at the N.S.W. Leaving Certificate Examination, or have reached the same standard at an equivalent examination. Students who have not reached this standard may be admitted by special permission of the Head of the Department.

In all units, work done during the year will be taken into account in the determining of examination results. Any student who fails to hand in the set essays by the due dates, or to participate regularly in the weekly language exercises and discussions, may be excluded from the annual examination.

Students are advised to provide themselves with their own copies of the following books:—

- Russon, A. and Russon, L. J. *First German Book* Longmans
- Russon, L. J. *Complete German Course for First Examinations* Longmans
- Cassell's New German Dictionary* rev. Betteridge
- Duden, K. *Stilwörterbuch der deutschen Sprache*
- Farrell, R. *A Dictionary of German Synonyms*. C.U.P.

### German IA

Four lectures and one tutorial class a week.

This unit, which presupposes no knowledge of German, is available to two types of students:

- (a) to those who wish to proceed to the regular courses in German;
- (b) to those students of the Faculty of Arts who desire a reading knowledge of the language in order to gain access to material written in German in their particular field of study.

The full unit is open, except with special permission of the Head of the Department, only to students in the Faculty of Arts who have obtained a pass in a foreign language in the Leaving Certificate, or at an equivalent examination.

In order to qualify for admission to German Language and Literature I, students must pass an examination at the end of the year, and a written qualifying test on prescribed vacation work at the beginning of the following year.

- SYLLABUS: (i) grammar; written exercises and dictation;  
 (ii) reading of selected German tests, poetry and prose;  
 (iii) translation into German; composition;  
 (iv) oral practice, conversation and reading.

PRESCRIBED BOOKS

Russon, L. J. *Complete German Course for First Examinations* Longmans  
*German Series of Rapid Readers*—ed. Hagboldt, Heath-Chicago (provided  
 by the Department)

Bain, A. W. *German Poetry for Students* Macmillan

Special texts for vacation work will be prescribed during the year.

EXAMINATION: November: Two three-hour papers (the first on translation from German, and comprehension, the second on translation into German, and composition); oral examination and dictation.

March of the following year: One three-hour paper on prescribed texts.

FOR THE PASS DEGREE

The major in German is German Language and Literature I, II and III, in that order.

The sub-majors are (a) German Language and Literature I and II, in that order; (b) German Studies A and B, in either order.

The single units are: German Language and Literature I, German Studies A and German Studies B.

**German Language and Literature I**

Three lectures and two tutorials a week throughout the year.

- SYLLABUS: (i) introduction to German literature, reading, explanation and discussion of prescribed texts;  
 (ii) outline of German history and civilization;  
 (iii) translation from German into English;  
 (iv) translation from English into German;  
 (v) free composition; and  
 (vi) phonetics, conversation and dictation.

## BOOKS:

## PRESCRIBED BOOKS

*The Oxford Book of German Verse*

Kolisko, G. and Yuill, W. E. *Practice in German Prose* Macmillan

Bithell, A. *A Companion to German Studies* Methuen

Gössman, W. *Deutsche Kulturgeschichte im Grundriss* Hueber

Dunlop, J. K. *A short History of Germany* Harrap

*Recommended* (German Civilization):

Reitzenstein, A. v. *Deutsche Baukunst—Die Geschichte ihrer Stile* Reclam

Sinnhaber, K. A. *Germany, its Geography and Growth* Murray

*Prescribed for discussion in class or tutorial*

Five of the following, including one from each group:—

*Group (a):*

Tieck, L. *Der blonde Eckbert* Reclam or Blackwell

Fouqué, F. *Undine* Reclam

*Group (b):*

Grillparzer, F. *Der arme Spielmann* Reclam

Mörike, E. *Mozart auf der Reise nach Prag* Reclam

Keller, G. *Romeo und Julia auf dem Dorfe* Reclam or Harrap

Meyer, C. F. *Die Hochzeit des Mönchs* Reclam

Storm, T. *Der Schimmelreiter* Reclam or Harrap

*Group (c):*

Hesse, H. *Kinderseele* Harrap

Mann, T. *Tonio Kröger* Blackwell

EXAMINATION: Three three-hour papers (the first on translation from German into English, prepared and unseen; the second on translation from English into German and free composition; the third on German literature and civilization); tests in phonetics, dictation, reading aloud, and conversation.

**German Language and Literature II**

Three lectures and two tutorials a week throughout the year.

SYLLABUS: (i) history of German literature from (a) 1700 to 1830 (in 1963 and alternate years); (b) 1830 to the present (in 1962 and alternate years); (ii) study of selected works, illustrative of the period treated in the general course; (iii) seminar discussions on prescribed texts; (iv) essays in German; (v) translation from German into English prepared and unseen; (vi) translation from English into German; and (vii) conversation and dictation.

## BOOKS:

## PRESCRIBED BOOKS (1962)

Büchner, G. *Dantons Tod* Condor Library or Reclam

Grillparzer, F. *Des Meeres und der Liebe Wellen* Reclam

Hebbel, F. *Maria Magdalena Agnes Bernauer* Condor Library or Reclam

Keller, G. *Die Leute von Seldwyla* Goldmanns Taschenbücher



- Hauptmann, G. *Der Biberpelz Bahnwärter Thiel* Reclam  
 Hofmannsthal, H. von. *Jedermann* Fischer Schulausgabe  
 Mann, Th. *Buddenbrooks Der Zauberberg*  
 Kafka, F. *Der Prozess* Fischer-E C 3  
 Fontane, T. *Effi Briest*  
 Stifter, A. *Bunte Steine: Granit* Reclam  
 George, S. Selections (Text provided by the Department)  
 Rilke, R. M. *Duineser Elegien* (Text provided by the Department)  
*Sonette an Orpheus* Insel—Bücherei  
*The Penguin Book of German Verse*  
 Brecht, B. *Die heilige Johanna der Schlachthöfe*

EXAMINATION: One three-hour paper on translation from German into English, prepared and unseen; one two-hour paper on translation from English into German; two three-hour papers on literature 1700-1830 or 1830 to the present; oral test, in German, on the prescribed texts.

### German Language and Literature III

Three lectures and two tutorials a week throughout the year.

SYLLABUS

BOOKS

EXAMINATION

As for German Language and Literature II

### German Studies A

(This unit will be offered in 1963 and alternate years.)

Two lectures and one tutorial a week throughout the year.

SYLLABUS: Medieval German literature and history of the language.

BOOKS:

PRESCRIBED BOOKS (1963)

- Moser, H. *Annalen der deutschen Sprache von den Anfängen bis zur Gegenwart* Metzler  
 Ehlinger, H. *Geschichtliche deutsche Lautlehre* Hueber  
 Naumann, H. *Deutsches Dichten und Denken von der germanischen bis zur staufischen Zeit* Göschen  
 Naumann, H. and Betz, W. *Althochdeutsches Elementarbuch* Göschen  
 Bachmann, A. *Mittelhochdeutsches Lesebuch* Beer  
 Richey, M. F. *Middle High German—An Introduction* Hutchen  
 Hartmann von Aue *Der arme Heinrich* ed. J. K. Bostock, Blackwell

Recommended:

*The Penguin Book of German Verse*

A list of books recommended for study and reference will be issued by the Department.

EXAMINATION: Two three-hour papers.

**German Studies B**

(This unit will be offered in 1962 and alternate years)

Two lectures and one tutorial throughout the year.

**SYLLABUS:** Language and literature of Renaissance, Reformation and Baroque.

**BOOKS:**

## PRESCRIBED BOOKS

- Kirk, A. *An Introduction to the Historical Study of New High German* Manchester UP
- Müller, G. *Deutsches Dichten und Denken vom Mittelalter zur Neuzeit* Göschen
- Tepl, J. v. *Der Ackermann aus Böhmen (c. 1400)* ed. K. Spalding Blackwell
- Sachs, H. *Meistergesänge-Fastnachtsspiele-Schwänke* Reclam
- Luther, M. *An den christlichen Adel deutscher Nation Von der Freiheit eines Christenmenschen Sendbrief vom Dolmetschen* Reclam
- Fischart, J. *Das Glückhafte Schiff von Zürich* ed. G. Baesecke, Neudrucke deutscher Literaturwerke des XVI. und XVII. Jahrhunderts Hallesche Neudrucke, Niemeyer
- German Lyrics of the XVIIth Century* ed. A. Closs and W. F. Mainland, Duckworth
- Gryphius, A. *Peter Squentz* ed. H. Pecker, Neudrucke deutscher Literaturwerke or Reclam
- Grimmelshausen, H. J. C. *Der abenteuerliche Simplicissimus* Goldmanns Taschenbücher
- Böhme, J. *Eine Auswahl aus seinen Schriften* Reclam

*Recommended:*

*The Penguin Book of German Verse*

A list of books recommended for study and reference will be issued by the Department.

**EXAMINATION:** Two three-hour papers.

**FOR THE DEGREE WITH HONOURS**

## HONOURS SCHOOL IN GERMAN

For the Degree with Honours in German the course is for four years and consists of:

- (a) German Language and Literature I, II, III;
- (b) German Studies A and B;
- (c) German IV (Honours); and
- (d) an approved major and two approved single units.

### First Year

In their first year prospective honours students take German Language and Literature I, the first part of the major, and the two single units. To qualify for admission to the Honours School they must gain a Pass with Merit in German Language and Literature I.

### German II (Honours)

In their second year honours students take German Language and Literature II, German Studies A or B (these units being offered in alternate years), and the second part of the major.

### German III (Honours)

In their third year honours students take German Language and Literature III, German Studies A or B (these units being offered in alternate years), and the third part of the major.

Admission to German IV (Honours) is at the discretion of the Head of the Department, and normally requires the student to have gained at least Credit in the third year.

### German IV (Honours)

Classes to be arranged.

#### SYLLABUS:

- (i) seminar discussions on the history and methods of German literary criticism;
- (ii) special study: the drama in the twentieth century;
- (iii) two topics for private study under the following heading: detailed study of a genre, movement, major author, or linguistic subject;
- (iv) advanced studies in medieval philology and literature *or* stylistic appreciation of some representative works of German literature;
- (v) advanced translation from German into English and from English into German;
- (vi) a thesis bearing on some aspect of German literature (excluding the topics for private study).

**EXAMINATION:** Six three-hour papers, the first and second on section (v) of the syllabus, the third on section (i), the fourth on section (ii), the fifth on section (iii), and the sixth on section (iv), an oral examination in German on the whole of the year's work.

### FOR THE DEGREE OF MASTER OF ARTS

An honours degree normally qualifies a student to read for the Degree of Master of Arts. A student with the pass degree who wishes to read for the Master's degree may do so by completing a qualifying course at honours level after he has finished his pass degree, and passing the examination.

A candidate for the Master's degree is required to submit a topic and course of study for a thesis (which must be approved by the Head of the Department), to attend classes in critical and bibliographical method, to furnish progress reports at regular intervals, and to meet the supervisor for discussion of these reports.

## RUSSIAN

For the Pass Degree of Bachelor of Arts the Department of Modern Languages offers a three-year course in Russian Language and Literature, and a two-year course in Russian Studies.

In Russian Language and Literature I, which assumes no prior knowledge of the language, the student commences a relatively intensive study of modern literary and spoken Russian, receives an introduction to aspects of Russian culture, and reads selected passages from modern prose and verse. The study of Russian grammar, composition and conversation continues in Russian Language and Literature II and III, and is accompanied by studies in modern Russian literature, in which special attention is given to the classical prose writers of the nineteenth century.

In Russian Studies A an introduction is given, through a study of the original Russian sources, to Russian society and thought up to about 1860 and in addition there is a course on Russian phonetics. Russian Studies B consists of three parts; Russian society and thought from about 1860 to 1917, *either* the development of Russian drama or Russian poetry since 1800 (offered in alternate years) and an introduction to the history of the Russian language and early Russian literature and society; each student chooses only *two* of these parts.

Russian Language and Literature I is normally a prerequisite for both Russian Language and Literature II and Russian Studies A. However, this prerequisite may be waived in the case of a student who satisfies the Department that he has a suitable knowledge of Russian to proceed direct to these units, by passing a test similar to and of the same standard as the annual examination in Russian Language and Literature I. Students desirous of obtaining exemption from Russian Language and Literature I should make application to the Head of the Department as soon as possible.

To be accepted as a candidate for the Degree with Honours in Russian, a student must gain a Pass with Merit in Russian Language and Literature I, (or an equivalent result in the departmental test in the case of students granted exemption from Russian Language and Literature I.) The candidate must then take Russian Language and Literature II and III and Russian Studies A and B. The fourth year syllabus comprises literature of the twentieth century, a detailed study of two topics to be chosen by the candidate from a list provided by the Department, *either* Russian poetry or drama (offered in alternate years) *or* Soviet institutions, and advanced language exercises.

In all units, work done during the year will be taken into account in the determining of examination results. Any student who fails to hand in assignments by the due dates, to attend for class tests or to participate regularly in language classes, may be excluded from the annual examination.

## FOR THE PASS DEGREE

The major in Russian is Russian Language and Literature I, II and III, in that order.

The sub-majors are (a) Russian Language and Literature I and II, in that order; (b) Russian Language and Literature II and III, in that order (where exemption is granted from Russian I under conditions mentioned above); (c) Russian Studies A and B, in that order.

The single units are: Russian Language and Literature I, Russian Language and Literature II (where exemption is granted from Russian Language and Literature I), Russian Studies A, and Russian Studies B.

### Russian Language and Literature I

Four lectures and two tutorials a week throughout the year.

**SYLLABUS:** (i) essentials of Russian pronunciation, morphology and syntax; (ii) Russian civilization; (iii) translation of selected prose and verse passages; and (iv) conversation and dictation.

#### BOOKS:

##### PRESCRIBED BOOKS

Smirnitsky, A. I. *Russko-angliysky slovar* Moscow

No grammar text-book is prescribed. Duplicated notes are issued by the Department. The prose and verse passages are also issued in typescript by the Department.

##### REFERENCE BOOKS

Fennell, J. L. I. *The Penguin Russian Course* Penguin  
 Kolni-Balozky, J. *A Progressive Russian Grammar* Pitman  
 Mirsky, D. S. *A History of Russian Literature* Routledge  
 Baring, M. *Outline of Russian Literature* H.U.L.  
 Milyukov, P. *Outlines of Russian Culture* Duckworth  
 Sumner, B. H. *Survey of Russian History* Duckworth

**EXAMINATION:** Two three-hour papers (the first on prepared and unseen translation into English and Part (ii) of the syllabus, the second on language); tests in reading aloud, conversation and dictation.

### Russian Language and Literature II

Four lectures and one tutorial a week throughout the year.

**SYLLABUS:** (i) more advanced grammar and syntax; (ii) translation from English into Russian, and free composition; (iii) translation from Russian into English, prepared and unseen; (iv) special literary study; and (v) conversation and dictation.

#### BOOKS:

##### PRESCRIBED BOOKS

Chekhov, A. P. *Vishnevyy sad* Moscow  
 Chekhov, A. P. *Rasskazy* Moscow  
 Smirnitsky, A. I. *Russko-angliysky slovar* Moscow  
 Myuller, V. K. *Anglo-russky slovar* Moscow  
 Semeonoff, A. *A New Russian Grammar* Dent  
 Borras, F. M. and Christian, R. F. *Russian Syntax* O.U.P.

A list of additional prose works to be read in Russian or in translation will be supplied by the Department, and typescript material will be issued for parts (ii) and (iii) of the syllabus.

## REFERENCE BOOKS

- Simmons, E. J. *Pushkin* Lehmann  
 Slonim, M. *The Epic of Russian Literature* O.U.P.  
 Ward, D. *Russian Pronunciation* Oliver & Boyd  
 Pulkina *A Short Russian Reference Grammar* Moscow  
 Zaitsev, B. K. *Chekhov* Chekhov Publishing House  
 Hingley, R. *Chekhov: a Biographical and Critical Study* Allen & Unwin

EXAMINATION: Three three-hour papers (the first on grammar and translation into Russian; the second on unseen translation from Russian into English and free composition; the third on the special library study; tests on dictation, reading aloud and conversation).

**Russian Language and Literature III**

Three lectures and one tutorial class a week.

SYLLABUS: (i) development of the Russian novel to 1900; (ii) translation from English into Russian and free composition; and (iii) conversation and dictation.

## BOOKS:

## PRESCRIBED BOOKS

- Pushkin, A. S. *Evgeny Onegin* Moscow  
 Lermontov, M. I. *Geroi Nashego Vremeni* Moscow  
 Turgenev, I. S. *Otsy i Deti* Moscow  
 Dostoevsky, F. M. *Igrok* Moscow  
 Tolstoy, L. N. *Semeinoe Schastie* Moscow

A list of additional prose works to be read in Russian or in translation will be supplied by the Department, and typescript material will be issued for part (ii) of the syllabus.

## REFERENCE BOOKS

- Lavrin, J. *Pushkin and Russian Literature*  
 Slonim, M. *Modern Russian Literature* O.U.P.  
 Simmons, E. J. *Dostoevsky* Lehmann  
 Simmons, E. J. *Leo Tolstoy* Lehmann  
 Khrapchenko, M. B. (ed.) *Tvorchestvo Tolstogo* Moscow

EXAMINATION: Three three-hour papers (the first on translation into Russian and free composition; the second on prepared and unseen translation from Russian into English; the third on the nineteenth century novel; tests on dictation, reading aloud and conversation).

**Russian Studies A**

Three lectures a week throughout the year.

SYLLABUS: (i) Russian society and thought up to 1860; (ii) phonetics.

## BOOKS:

## PRESCRIBED BOOKS

Bill, V. Tschebotarioff *The Russian People A Reader on their History and Culture* Chicago U.P.

Boyanus, S. C. *Russian pronunciation* Lund Humphries

A list of additional reading and duplicated material on part (i) of the syllabus will be issued by the Department.

## REFERENCE BOOKS

Klyuchevsky *Kurs russkoi istorii* Moscow

Hare, R. *Pioneers of Russian Social Thought* O.U.P.

Mazour, A. *The First Russian Revolution: 1825*

Elsberg, Ya. *Gertsen* Moscow

Gertsen, A. I. *Izbrannye Sochineniia* Moscow

Yarmolinsky, A. *The Road to Revolution* Cassell

Avanesov, R. I. *Russkoe literaturnoe proiznoshenie* Moscow

Avanesov, R. I. *Fonetika sovremennogo russkogo literaturnogo yazyka* Moscow

EXAMINATION: Two three-hour papers.

**Russian Studies B**

Three lectures a week throughout the year.

SYLLABUS: (i) Russian society and thought 1860-1917;  
(ii) history of the Russian language and Russian literature to 1800;  
(iii) development of Russian drama (1962 and alternate years);  
Russian poetry since 1800 (1963 and alternate years).

*Note:* Students will take *two* sections only.

## BOOKS:

## PRESCRIBED BOOKS

A list of prescribed reading will be issued by the Department at the beginning of the year.

EXAMINATION: Two three-hour papers, one on each section of the syllabus studied.

## FOR THE DEGREE WITH HONOURS

## HONOURS SCHOOL IN RUSSIAN

For the Degree with Honours in Russian the course is for four years and consists of:

- (a) Russian Language and Literature I, II and III;
- (b) Russian Studies A and B;
- (c) Russian IV; and
- (d) an approved major and two approved single units.

**First Year**

In their first year prospective honours students take Russian Language and Literature I, the first part of the major, and the two single units. To qualify for admission to the Honours School they must gain a Pass with Merit in Russian Language and Literature I.

**Russian II (Honours)**

In their second year honours students take Russian Language and Literature II, Russian Studies A, and the second part of the major.

**Russian III (Honours)**

In their third year honours students take Russian Language and Literature III, Russian Studies B, and the third part of the major.

Admission to Russian IV (Honours) is at the discretion of the Head of the Department, and normally requires the student to have reached the standard of at least second-class honours in the third year.

*Note:* Students granted exemption from Russian Language and Literature I and desiring admission to the Honours School are required to pass the departmental test at a level equivalent to Pass with Merit in Russian Language and Literature I, and pass another first year language unit, in order to qualify for admission to the Honours School. Apart from the substitution of another unit for Russian Language and Literature I, such students pursue the same course as other honours students, but permission may be granted for them to take either Russian Language and Literature II or Russian Studies A in their first year and in such cases the unit substituted for Russian Language and Literature I may form part of an additional sub-major.

**Russian IV (Honours)**

Classes to be arranged.

- SYLLABUS: (i) Russian literature in the twentieth century;  
 (ii) development of Russian drama (1962 and alternate years); *or*  
 Russian poetry since 1800 (1963 and alternate years);  
 (iii) Soviet institutions;  
 (iv) two topics related to Russian language, literature or society chosen from a list supplied by the Department;  
 (v) advanced translation from Russian into English and from English into Russian and free composition in Russian;  
 (vi) spoken Russian.

*Note:* Students will take *either* section (ii) *or* section III.

EXAMINATION: Seven three-hour papers, one on section (ii) or (iii) of the syllabus and two on each of sections (i), (iv) and (v); an oral examination in Russian on the whole of the year's work.

**FOR THE DEGREE OF MASTER OF ARTS**

An honours degree is the normal qualification for a student proceeding to the Degree of Master of Arts. A student with the pass degree who wishes to read for the Master's degree may do so by completing a qualifying course at honours level after he has finished his pass degree, and passing the examination.

A candidate for the Master's degree is required to submit a topic and course of study for a thesis (which must be approved by the Head of the Department), to attend such classes in methods of research or in the field of his thesis as are prescribed by the Department, to furnish progress reports at regular intervals, and to meet the supervisor for discussion of these reports.



## SCHOOL OF ORIENTAL STUDIES†

N. G. D. MALMQVIST, FIL. LIC. STOCKHOLM  
*Professor and Head of the School*

## INTRODUCTION

## CHINESE

Knowledge of the Chinese language opens the door to one of the greatest of world literatures. The object of the course is, therefore, to enable the student to study this literature in the original.

The full three-year course includes both modern and classical Chinese. During the first year, the students concentrate on learning to read and speak modern Chinese in its Peking variant. In the second and third years, half of the time is devoted to further study in modern Chinese. Classical Chinese is introduced in the second year through the study of the famous work of Mencius. In the third year the students read selected classical texts composed by China's great philosophers, historians, essayists and poets.

## JAPANESE

Knowledge of the Japanese language enables the student to appreciate what is said, thought, and, above all, written by the Japanese, one of the most progressive and vital people of Asia. The object of the course is therefore to introduce the student to spoken Japanese and to build a firm foundation for the reading of Japanese.

The full three-year course covers colloquial and the so-called classical language styles. During the first year only the basic colloquial style is spoken and read. Oral drill, listening to and discussing of Japanese recorded speech, reading of texts in romanization or Japanese writing, drawing of Chinese characters, and descriptive syntax and grammar are used for this purpose. During the second year more literary elements of vocabulary and style are introduced from materials in common use, both spoken and written. During the third year, further training in the commonly-used styles is given with special emphasis on the epistolary style, Chinese texts read in the Japanese manner, literature, and historical materials from earlier periods.

## INDONESIAN LANGUAGES

The courses offered are Bahasa Indonesia and Malay\* I, II and III, and Javanese I and II. Instruction in certain other Indonesian languages (Minangkabau, Sundanese, Balinese) can be arranged as required.

Bahasa Indonesia and Malay I is designed to give the student competence in the basic skills of speech, reading and composition, and to introduce him to some of the more important literary works written between 1920-39. Bahasa Indonesia and Malay II aims to develop a more active command of the language, and includes a detailed study of post 1945 literary developments in Indonesia. Emphasis is laid on the cultural and documentary aspects of the texts studied. Bahasa Indonesia and Malay III is devoted principally to the study of texts in the so-called classical Malay and other older forms of the language.

† The School of Oriental Studies is to become a Faculty of Oriental Studies in 1962.

\* For convenience, modern Malay and Bahasa Indonesia are grouped together. During the first two years, however, the major emphasis is laid on Bahasa Indonesia.

Javanese I is a course in the literary language, accepted as standard since the seventeenth century. Prescribed texts include selections from local chronicles and Javanese religious and ethical works. Javanese II is a course devoted to the forms of the language extant between the tenth and the sixteenth centuries. Prescribed texts include selections from Old Javanese historical works, court poems and renderings of the great Indian epics.

#### ORIENTAL CIVILIZATION

In order to acquaint the student with Asian culture, five special courses are presented. The introductory course in Oriental Civilization gives a general survey of the social forces which moulded the states of the Orient. It integrates the civilization of these various countries into the wider picture of Asian history and world history itself. In the more advanced second and third year courses the student is offered a choice between a Far Eastern and a Southeast Asian specialization. The Far Eastern courses deal in some detail with the history, institutions and thought of China and Japan. The Southeast Asian course, while not neglecting the continental countries of the area, is mainly concerned with Indonesia. In both regions, apart from political history, emphasis is also given to archaeology, literature, philosophy, art, religion and anthropology.

#### FOR THE PASS DEGREE

REQUIREMENTS FOR STUDENTS NOT ENROLLING FOR A SPECIALISM BUT TAKING ORIENTAL STUDIES UNITS TOWARDS THE PASS DEGREE OF BACHELOR OF ARTS.

All students taking a major in Chinese, Japanese or Bahasa Indonesia and Malay must also take the course in Oriental Civilization.

Students are not permitted to take Chinese I and Japanese I simultaneously; nor can Bahasa Indonesia and Malay I and Javanese I be taken simultaneously.

No student can enrol for Far Eastern Civilization I who has not passed the examination in Chinese I or Japanese I. No student can enrol for Southeast Asian Civilization I who has not passed the examination in Bahasa Indonesia and Malay I.

#### General Linguistics

All students enrolling for a language major at the School must, during their first year, attend a seminar in General Linguistics.

EXAMINATION: One two-hour paper.

#### Chinese I

Four hours of lectures and five hours of tutorials in modern Chinese a week throughout the year.

SYLLABUS: Grammar, learning of 1,000 characters, reading of texts, conversation.

#### BOOKS:

##### PRESCRIBED BOOKS

Chao, Y. R. *Mandarin Primer, an Intensive Course in Spoken Chinese*  
Harvard U.P., 1948

Simon, W. and Chao, T. C. *Structure Drill in Chinese (National Language)*  
Lund Humphries, 1945

Chao, Y. R. and Yang, L. *A Concise Dictionary of Spoken Chinese* Harvard U.P., 1952

Simon, W. *A Beginner's Chinese—English Dictionary of the National Language* Lund Humphries 2nd ed., 1958

Mathews, R. H. *A Chinese-English Dictionary* (Revised American Ed.) Harvard U.P., 1943

Students will be provided with photostat and cyclostyled material for purposes of study.

**EXAMINATION:** One three-hour paper and an oral examination.

### Chinese II

Four hours of lectures and four hours of tutorials in modern and classical Chinese a week throughout the year.

**SYLLABUS:** (i) *Colloquial language:* Reading of consecutive texts, conversation, use of Chinese dictionaries.

(ii) *Classical language:* Grammar, reading of classical texts. Learning of 2,000 additional characters.

#### BOOKS:

##### PRESCRIBED BOOKS

Liu, Y. C. *Fifty Chinese Stories* Selected from classical texts, romanized and translated into Modern Chinese Lund Humphries, 1960

*Mencius Book 1A and 1B* with commentary by Chu Hsi  
*Tz'u hai*

Students will be provided with photostat and cyclostyled material for purposes of study.

**EXAMINATION:** Two three-hour papers and an oral examination.

### Chinese III

Four hours of lectures and three hours of tutorials in modern and classical Chinese a week throughout the year.

**SYLLABUS:** (i) *Classical language:* Reading of selected texts from earliest times to Sung.

(ii) *Modern Chinese:* Reading of selected texts. Learning of 2,000 additional characters. Conversation.

##### PRESCRIBED BOOKS

*Hsien-Ch'in wen-hsüe-shih ts'an-k'ao tsi-liao* Peking, 1957

*Liang-Han wen-hsüe-shih ts'an-k'ao tsi-liao* Peking, 1959

Karlgren, B. *Grammata Serica Recensa* BMFEA 29, 1957

Students will be provided with photostat and cyclostyled material for purposes of study.

**EXAMINATION:** Two three-hour papers and an oral examination.

### Japanese I

Four hours of lectures and five hours of tutorials in colloquial Japanese a week throughout the year.

**SYLLABUS:** *Colloquial language:* Survey of grammar, learning of katakana, hiragana, and 800 Chinese characters, reading of texts and conversation.

## BOOKS:

## PRESCRIBED BOOKS

Bloch, B., and Jorden, E. H. *Spoken Japanese* Henry Holt & Company (Book I)

Rose-Innes, A. *Beginners' Dictionary of Chinese-Japanese Characters* Meiseisha, 1953

Students will be provided with photostat and cyclostyled material for purposes of study.

EXAMINATION: One three-hour paper and an oral examination.

## Japanese II

Four hours of lectures and four hours of tutorials in colloquial and literary Japanese a week throughout the year.

SYLLABUS: (i) *Colloquial language*: Reading of consecutive texts, conversation, continued study of Sino-Japanese characters, use of Japanese dictionaries.

(ii) *Written language*: Survey of grammar, reading of modern texts. Articles in newspapers and periodicals and government documents. Exercise in the use of Japanese reference works, bibliography. Learning of 1,000 additional Chinese characters. Rapid comprehensive drill by use of tape-recorded Japanese broadcasts.

## BOOKS:

## PRESCRIBED BOOKS

Katsumata, S. *Kenkyusha's New Japanese-English Dictionary* Kenkyusha Tokyo, 1954

Rose-Innes, A. *Beginner's Dictionary of Chinese-Japanese Characters* Meiseisha, 1953

Bloch, B. and Jorden, E. H. *Spoken Japanese* Henry Holt & Company (Book II)

Students will be provided with photostat and cyclostyled material for purposes of study.

EXAMINATION: Two three-hour papers and an oral examination.

## Japanese III

Four hours of lectures and three hours of tutorials in colloquial and literary Japanese a week throughout the year.

SYLLABUS: *Advanced Written Japanese*: Reading of historical and literary texts of early periods and difficult modern materials, advanced Japanese bibliography.

## BOOKS:

## PRESCRIBED BOOKS

Elisseef, S. and Reischauer, E. O. *Selected Japanese Texts for University Students* Harvard, 1947 (Vol. III)

Lehmann, W. P. and Faust, L. *A Grammar of Formal Written Japanese* Harvard, 1951

Shimmura, I. *Kōjien (Japanese Encyclopedic Dictionary)* Iwanami, 1955  
Especially prepared materials will be provided in addition.

EXAMINATION: Two three-hour papers and an oral examination.

**Bahasa Indonesia and Malay I**

Three hours of lectures and four hours of tutorials in Bahasa Indonesia a week throughout the year.

In the third term, an introductory seminar on modern Indonesian literature will be given.

- SYLLABUS: (i) phonemics and grammar;  
 (ii) translation and study of prescribed texts;  
 (iii) composition;  
 (iv) basic speech patterns; and  
 (v) background to modern Indonesian literature.

**BOOKS:**

## PRESCRIBED BOOKS

- Muis, A. *Salah Asuhan* Balai Pustaka, 1956  
 Iskandar, N. St. *Katak hendak djadi lembu* Balai Pustaka, 1936  
 Alisjahbana, S. T. *Lajar Terkembang* Balai Pustaka, 1955  
 Pané, A. *Kisha antara manusia* Balai Pustaka, 1953  
 Madjoindo, A. Dt. *Si Dulanak Betawi* Balai Pustaka, 1960  
 Hamzah, A. *Buah Rindu* Pustaka Rakjat, 1941  
 Hamzah, A. *Njanji Sunji* Pustaka Rakjat, 1954

## GRAMMARS AND DICTIONARIES

- Winstedt, R. O. *A Malay Grammar* O.U.P., 1925  
 Poerwadarminta, W. J. S. *Kamus Umum Bahasa Indonesia* Kementerian P.P.K., 1954  
 Winstedt, R. O. *An Unabridged Malay-English Dictionary* Kelly & Walsh, 1936  
 Wojowasito, Purwadarminta and Gaastra *Kamus Indonesia-Inggeris, Inggeris-Indonesia* 2 vols., Versluys, 1958

EXAMINATION: Two three-hour papers and an oral examination.

**Bahasa Indonesia and Malay II**

Three hours of lectures and three hours of tutorials in Bahasa Indonesia a week throughout the year.

- SYLLABUS: (i) study of prescribed texts with special reference to their literary and documentary aspects;  
 (ii) advanced grammar;  
 (iii) composition and translation; and  
 (iv) conversation

**BOOKS:**

## PRESCRIBED BOOKS

- Mihardja, A. K. *Atheis* Balai Pustaka, 1949  
 Sontani, U. T. *Tambera* Balai Pustaka, 1952  
 Tur, P. A. *Perburuan* Balai Pustaka, 1950  
 Idrus *Dari Ave Maria ke Djalan lain ke Roma* Balai Pustaka, 1953  
 Jassin, H. B. *Gema Tanah Air* Balai Pustaka, 1959  
 Rossidhy, A. *Ketemu didjalan, Tiga kumpulan sadjak* Balai Pustaka, 1956  
 Anwar, Ch. *Tiga menguak Takdir* Balai Pustaka, 1950

## GRAMMARS AND DICTIONARIES

Winstedt, R. O. *A Malay Grammar*

Peerwadarminata, W. J. S. *Kamus Umum Bahasa Indonesia* Kementerian P.P.K., 1954

Winstedt, R. O. *An Unabridged Malay-English Dictionary*

Wojowasito, Purwadarminta and Gaastra *Kamus Indonesia-Inggeris, Inggeris-Indonesia* 2 vols., Versluys, 1958

EXAMINATION: Two three-hour papers and an oral examination.

**Bahasa Indonesia and Malay III**

Three hours of lectures and three hours of tutorials in Bahasa Indonesia and older Malay a week throughout the year.

SYLLABUS: (i) study of prescribed texts from the older period of the language: students are expected to acquire a working knowledge of the Arabic script;

(ii) history of Malay literature; and

(iii) composition, translation and conversation.

## BOOKS:

## PRESCRIBED BOOKS

Winstedt, R. O. *A History of Malay Literature* JMBRAS 13, (1), 1935

Hooykaas, C. *Perintis Sastra* Wolters, 1951

*Hikajat Bajan Budiman* Balai Pustaka, 1956

*Hikajat Hang Tuah* Balai Pustaka, 1956

*Sedjarah Melaju* ed. Winstedt, JMBRAS 16, (1), 1938

Doorenbos, J. *De Geschriften van Hamzah Pansuri* Leiden Dissertation, 1933

*Hikajat Abdullah* Djambatan, 1953

Klinkert, H. C. *Drie Maleische Gedichten* Brill, 1886

*Pantun Melaju* ed. Winstedt, Malaya Publishing House, 1955

## GRAMMARS AND DICTIONARIES

As for Bahasa Indonesia and Malay II, with the addition of:

Wilkinson, R. J. *A Malay English Dictionary* London, 1957

Klinkert, H. C. *Nieuw Maleisch-Nederlandsch Woordenboek* Brill, 1947

EXAMINATION: Two three-hour papers and an oral examination.

**Javanese I**

Three hours of lectures and three hours of tutorials a week throughout the year.

SYLLABUS: (i) phonemics and grammar;

(ii) translation and study of prescribed texts in the modern language, i.e. post 1600;

(iii) comprehension; and

(iv) introduction to Javanese literature.

## BOOKS:

## PRESCRIBED BOOKS

- Babad Tanah Djawi* Meinsma J. J.'s-Gravenhage, 1941 (Condensation into prose with Dutch translation)  
*Babad Tanah Djawi* (Verse version) Balai Pustaka, 1939-41  
 Jasadipura ed. Kats. *Serat Rama* Balai Pustaka, 1925 (This is a modern version in verse of the Ramayana)  
 Jasadipura *Serat Dewarutji* Keluarga Bratakesawa, 1956

Relevant passages from these works will be stencilled and distributed as required. In addition specimen passages from modern periodicals will be studied.

## GRAMMARS AND DICTIONARIES

- W. J. S. Purwadarminta *Bausastra Djawi-Indonesia* (Javanese-Bahasa Indonesia) Balai Pustaka, 1948  
 W. J. S. Purwadarminta *Bausastra Djawi* (Javanese-Javanese) Wolters, 1939  
 Th. Pigeaud *Javaans-Nederlands Handwoordenboek* (Javanese-Dutch) Wolters, 1937  
 E. M. Uhlenbeck *Beknopte Javaansche Grammatica* (an abridged Javanese Grammar) Balai Pustaka, 1941  
 W. J. S. Purwadarminta *Sarining Paramasastra Djawa* (Essentials of Javanese Grammar) Noordhoff-Kolff, 1953

Since none of these works are in English, they will be regarded as reference works only in the first instance, and will be supplemented by notes from the lecturer.

EXAMINATION: Two three-hour papers.

## Javanese II

Three hours of lectures and three hours of tutorial a week throughout the year.

- SYLLABUS: (i) phonemics and grammar;  
 (ii) translation and study of prescribed texts in Old Javanese, *i.e.* between the tenth and the sixteen centuries;  
 (iii) comprehension;  
 (iv) history of Old Javanese literature.

## BOOKS:

## PRESCRIBED BOOKS

- Zoetmulder, P. J. *Sekar Sumawur* Obor, 1958  
 Pigeaud, Th. G. Th. *The Nagara-Kertagama* (by Rakawi Prapanca of Majapahit, 1365 A.D.) 3rd ed., B.K.I. Translation Series, No. 4, Nijhoff, 1961  
*Adiparwa* (I and II) K.P.P.K., Jogjakarta, 1958

Selection of relevant passages from other Parwas.

## GRAMMARS AND DICTIONARIES

- Wojowasito, S. *Kawicastra* Djambatan, 1960  
 Zoetmulder, P. J. *Bahasa Parwa* (I and II) October, 1954  
 Zoetmulder, P. J. *De Taal van het Adiparwa*. A. C. Nix & Co., 1950  
 Juynboll, H. H. *Oudjavaansch-Nederlandsche Woordenlijst* E. J. Brill, 1923

**EXAMINATION:** Two three-hour papers.

**Oriental Civilization**

Two hours of lectures and one hour of tutorials in Asian history and civilization a week throughout the year.

**SYLLABUS:** A general background course for Asian history and civilization; covering the human geography of the region and the history of its various peoples, with special attention to their thought, institutions and the interplay of cultural relations between them.

**BOOKS:**

- Basham, A. L. *The Wonder that was India* Sidgwick & Jackson, 1954  
 De Bary, T. (ed.) *Sources of the Chinese Tradition* Columbia U.P., 1960  
 De Bary, T. (ed.) *Sources of the Japanese Tradition* Columbia U.P., 1958  
 De Bary, T. (ed.) *Sources of the Indian Tradition* Columbia U.P., 1958  
 Demiéville, P. et al. *Aspects de la Chine* 2 vols., Presses Universitaires de France, 1959  
 E. O. Reischauer and J. K. Fairbank *East Asia—The Great Tradition* Allen & Unwin, 1960  
 Cressy, G. B. *Asia's Lands and Peoples* McGraw-Hill, 1944  
 FitzGerald, C. P. *China—A Short Cultural History* 2nd ed., Cresset, 1950  
 Fung Yu-lan *A Short History of Chinese Philosophy* Macmillan, 1948  
 Garratt, G. T. (ed.) *The Legacy of India* O.U.P., 1938  
 Goodrich, L. C. *A Short History of the Chinese People* Harper, 1943  
 Hall, D. G. E. *A History of Southeast Asia* Macmillan, 1955  
 Latimore, O. *The Inner Asian Frontiers of China* American Geographical Society, 1940  
 Sansom, G. B. *Japan—A short Cultural History* 2nd ed., Cresset, 1943  
 Sansom, G. B. *A History of Japan to 1334* Cresset, 1958  
 Trewartha, G. T. *Japan* Univ. of Wisconsin Press, 1947

Subject bibliographies will be provided for students during the course. Outline maps and mimeographed material will also be made available from time to time.

**EXAMINATION:** Two three-hour papers.

**Far Eastern Civilization I**

Chinese I or Japanese I must be passed before this unit is taken.

Two hours of lectures and one hour of tutorials in Chinese and Japanese history and civilization a week throughout the year.

**SYLLABUS:** The course will deal mainly with the structure of oriental society. The subjects covered will include: the family, clan, village; economic activities and institutions; social class (with particular attention to the role of the gentry); government and law.



## BOOKS:

- Chang Chung-li *The Chinese Gentry* Univ. of Washington Press, 1955  
 Escarra, J. *Le Droit chinois* Vetch & Sirey, 1936  
 Fei Hsiao-t'ung *Peasant Life in China* Kegan Paul, 1939  
 Fei Hsiao-t'ung *China's Gentry* Univ. of Chicago Press, 1953  
 Fried, M. H. *Fabric of Chinese Society* Atlantic Press, 1956  
 Hodous, L. *Folkways in China* Probsthain, 1929  
 Hsü, F. L. K. *Under the Ancestors' Shadow* Columbia U.P., 1948  
 Lang, O. *Chinese Family and Society* Yale U.P., 1946  
 Lin Yueh-hua *The Golden Wing* Kegan Paul, 1947  
 Maspero, H. *Les institutions de la Chine* Presses Universitaires de France, 1952  
 Yang, M. *A Chinese Village* Columbia U.P., 1945  
 Yang Lien-Sheng *Money and Credit in China* Harvard U.P., 1952  
 K. A. Wittfogel and Feng Chia-sheng *Chinese Society—Liao* American Philosophical Society, 1949

Additional reading references, mainly to periodical literature, will be provided during the year. Mimeographed material will be distributed from time to time.

EXAMINATION: Two three-hour papers.

### Far Eastern Civilization II

Two hours of lecture and one hour of tutorial in Chinese and Japanese history and civilization a week throughout the year.

SYLLABUS: The main emphasis will be on the history of Chinese and Japanese thought and institutions beginning, for China, with the post-classical period (i.e. from Han); and for Japan with the seventh century A.D. Movements, as well as individual thinkers, will be considered; and attention will be given to religious history, philosophy and political and economic ideas, and to political and social institutions.

## BOOKS:

## PRESCRIBED READING

## A. China:

- Bruce, J. P. *Chu Hsi and His Masters* London, 1923  
 Creel, H. G. *Chinese Thought from Confucius to Mao Tse-tung* London, 1954  
 Forke, A. *Lun Heng: Philosophical and Miscellaneous Essays of Wang Ch'ung* Berlin, 1906-11  
 Fung, Yu-lan. *History of Chinese Philosophy, Volume II* London, 1953  
 Granet, M. *La pensée chinoise* Paris, 1924  
 Henke, F. G. *The Philosophy of Wang Yang-ming* London, 1916  
 Huang, Siu-chi. *Lu Hsiang-shan* New Haven, 1944  
 Kracke, E. A. *The Civil Service in Early Sung China* Cambridge, Mass., 1953  
 Levenson, J. R. *Confucian China and its Modern Fate* London, 1958

- Levenson, J. R. *Liang Ch'i-ch'ao and the Mind of Modern China* Cambridge, Mass., 1953
- Lin, Yutang, *The Gay Genius: The Life and Times of Su Tung-p'o* New York, 1947
- Needham, J. *Science and Civilisation in China, Volume II History of Scientific Thought* Cambridge, 1956
- Waley, A. *Life and Times of Po Chü-i* London, 1949
- Watson, B. *Ssu-ma Ch'ien Grand Historian of China* New York, 1958
- Weber, M. *The Religion of China* Glencoe, 1951
- Woo, Kang *Les trois théories politiques du Tch'ouen ts'ieou interprétées par Tong Tchong-chou* Paris, 1932

**B. Japan:**

- Anesaki, M. *History of Japanese Religion* London, 1930
- Bellah, R. N. *Tokugawa Religion* Glencoe, 1957
- Boxer, C. R. *The Christian Century in Japan 1549-1650* Calif. U.P. (Berkeley), 1951
- Brown, D. *Nationalism in Japan.* Berkeley & Los Angeles, 1955
- Bunce, W. K. *Religions in Japan* Tokyo, 1955
- de Bary, T. (ed.) *Sources of Japanese Tradition* New York, 1958
- Gonthier, A. *Histoire des institutions japonaises* Brussels, 1956
- Hall, R. H. *Kokutai no Hongi* London, 1949
- Holtom, D. C. *Modern Japan and Shinto Nationalism* Chicago, 1947
- Norman, E. H. *Japan's Emergence as a Modern State* New York, 1940
- Norman, E. H. *Ando Shoeki and the Anatomy of Japanese Feudalism (T.A.S.J.)* Tokyo, 1949
- Sansom, G. B. *The Western World and Japan* London, 1950
- Sansom, G. B. *A History of Japan from 1334 to 1615* Cresset Press, 1961
- Smith, T. C. *Political Change and Industrial Development in Japan: Government and Enterprise 1868-1880* Stanford, 1955
- Yanaga, C. *Japan Since Perry* New York, 1949

**EXAMINATION:** Two three-hour papers.

### Southeast Asian Civilization I

Bahasa Indonesia and Malay I must be passed before this unit is taken.

Two hours of lectures and one hour of tutorials in Malayan and Indonesian history and civilization a week throughout the year.

**SYLLABUS:** The main emphasis of the course will be on Indonesia, but on Indonesia considered within the general context of Southeast Asia. It will cover the salient features of the geographical position and structure of the area, the migrations of peoples into it, and the general characteristics of their social life, religion and economy. Detailed attention will be paid to the spread of Indian influence, bringing with it Hindu and Buddhist religious ideas, literature and elements of material culture; the rise of kingdoms fertilized by the new ideas and the indigenous cultural response as it is reflected in the literature, archaeological remains, art, social structure and politics of the area. The course will cover the period up to the penetration of Islam to Indonesia and the conquest of Malacca by the Portuguese.

## BOOKS :

## PRESCRIBED BOOKS

- Hall, D. G. E. *A History of Southeast Asia* Macmillan, 1955  
 Harrison, B. *A Short History of S.E. Asia* Macmillan, 1955  
 Vlekke, B. *Nusantara, A History of Indonesia* van Hoeve, 1959  
 Schrieke, B. *Indonesian Sociological Studies* van Hoeve, vol. I, 1955, vol. II, 1957  
 van Leur, J. C. *Indonesian Trade and Society* van Hoeve, 1955  
 Quaritch Wales, H. G. *The Making of Greater India* B. Quaritch Ltd., 1955  
 Coedès *Les Etats Hindousies de l'Indonesie et l'Indochine* Paris, 1948  
 Elliot, Sir Charles *Hinduism and Buddhism*. Routledge, 1954 (relevant parts)  
 Stutterheim, W. *Studies in Indonesian Archaeology* Martinus Nijhoff, 1956

*Note:* Since a large proportion of works relating to Indonesia are in Dutch, a series of bilingual articles on various aspects of Indonesian life and culture, in Dutch and English, will be distributed. Through the study of these it is expected that the student will develop a proficiency in reading at least some of the extensive Dutch literature on his field of study.

**EXAMINATION :** Two three-hour papers.

### Southeast Asian Civilization II

Two hours of lectures and one hour of tutorial in Malayan and Indonesian history and civilization a week throughout the year.

**SYLLABUS :** This course will cover the period beginning with the European commercial expansion in Southeast Asia in the sixteenth century, up to the growth of nationalism and the end of European authority throughout this area, marked by the Japanese conquest during the Second World War. The main emphasis will not be on European activities, but on changes in the social, cultural and political structures of the Southeast Asian States during the period. Although main attention will be given to Indonesia, consideration will also be paid to the history and civilization of the continental Southeast Asian States, to their relations and interdependences, and to their national development in terms of their ethnological backgrounds.

## BOOKS :

- Arberry, A. J. *Sufism* Allen & Unwin  
 Boeke, J. H. G. *The Structure of Netherlands Indian Economy* Institute of Pacific Relations, 1942  
 Bousquet, G. H. *A French View of the Netherlands East Indies* O.U.P.  
 Bousquet, G. H. *L'Islam maghre bin (Introduction a l'etude de l'Islam Indonesien)* La Maison des Livres, 1938  
 De Josselin de Jong, P. E. *Minangkabau and Negri Sembilan. Socio-Political Structure in Indonesia* Nijhoff, 1951  
 Dobby, E. H. G. *Southeast Asia* London U.P., 1950  
 Du Bois, C. *Social Forces in Southeast Asia* Minnesota U.P., 1949  
 Furnivall, J. S. *Netherlands India, a Study of Plural Economy* C.U.P., 1944  
 Furnivall, J. S. *Colonial Policy and Practice: A Comparative Study of Burma and Netherlands India* C.U.P., 1948

- Geertz, C. *The Religion of Java* Glencoe Free Press, 1960  
 Gibb, A. A. R. *Mohammadanism* O.U.P., 1951  
 Hall, D. G. E. (ed.) *History and Historians of South-East Asia* (Vol. II. of *Historical Writings on the Peoples of Asia*) O.U.P.  
 Le May, R. *The Culture of South-East Asia—The Heritage of India* Allen & Unwin, 1954  
 Purcell, V. *The Chinese in South East Asia* O.U.P., 1948  
 Robequain, C. *Le Monde Malais* Payot, 1946  
 Sale, G. *The Koran* Frederick Warne  
 Snouck Hurgronje, C. *Mecca in the Latter Part of the 19th Century* Luzac, 1931  
 Ter Haar, B. *Adat Law in Indonesia* Institute of Pacific Relations, 1948  
 Wertheim *Indonesian Society in Transition*, 2nd edition Van Hoeve, 1960  
 Winstedt, R. *Malaya and its History* Hutchinson, 1949  
 Winstedt, R. *The Malays, a Cultural History* Routledge, 1950

EXAMINATION: Two three-hour papers.

### FOR THE DEGREE WITH HONOURS

HONOURS SCHOOL IN CHINESE STUDIES

HONOURS SCHOOL IN JAPANESE STUDIES

HONOURS SCHOOL IN SOUTHEAST ASIAN STUDIES

Students enrolling for Oriental Studies towards the Bachelor of Arts degree with Honours are required to choose one of the following three specialisms:—

#### *Far Eastern specialism with emphasis on China*

<i>First year</i>	Chinese I		Oriental Civilization
<i>Second year</i>	Chinese II	Japanese I	Far Eastern Civilization I
<i>Third year</i>	Chinese III	Japanese II	Far Eastern Civilization II
<i>Fourth year</i>	Honours year		

#### *Far Eastern specialism with emphasis on Japan*

<i>First year</i>	Japanese I		Oriental Civilization
<i>Second year</i>	Japanese II	Chinese I	Far Eastern Civilization I
<i>Third year</i>	Japanese III	Chinese II	Far Eastern Civilization II
<i>Fourth year</i>	Honours year		

Students are not permitted to take Chinese I and Japanese I simultaneously.

#### *Southeast Asian specialism*

<i>First year</i>	Bahasa Indonesia & Malay I		Oriental Civilization
<i>Second year</i>	Bahasa Indonesia & Malay II	Javanese I	S.E. Asian Civilization I
<i>Third year</i>	Bahasa Indonesia & Malay III	Javanese II	S.E. Asian Civilization II
<i>Fourth year</i>	Honours year		

Students are not permitted to take Bahasa Indonesia and Malay I and Javanese I simultaneously. (See also the notes on page 92.)

Each of the specialisms gives eight units towards the degree. The two remaining units must be taken outside the School and must be approved by the Head of the School. They should generally be taken in the first and second year.

All honours students are required to pass a reading test in the following languages before the end of the third year:—

*Far Eastern specialisms:* German and French

*Southeast Asian specialism:* Dutch and French

### **General Linguistics (Honours)**

As for the pass course in General Linguistics.

### **Chinese I (Honours)**

As for the pass course in Chinese I.

### **Chinese II (Honours)**

Syllabus, books and examination as for the pass course in Chinese II and, *in addition*, the following:

Seminar in Chinese bibliography, one hour alternating weeks.

EXAMINATION: One two-hour paper.

EXAMINATION (in translation to Chinese): One two-hour paper.

### **Chinese III (Honours)**

Syllabus, texts and examination as for the pass course in Chinese III and, *in addition*, the following:—

Seminar in advanced Chinese linguistics, one hour alternating weeks.

EXAMINATION: One two-hour paper.

Seminar in Japanese bibliography, one hour alternating weeks.

EXAMINATION: One two-hour paper.

EXAMINATION (in translation to Chinese): One two-hour paper.

### **Chinese (Honours Year)**

Lectures and tutorials in classical Chinese and literary Japanese.

Seminar in research methods.

Seminar in Chinese and Japanese history.

EXAMINATION: Six three-hour papers.

**Japanese I (Honours)**

As for the pass course in Japanese I.

**Japanese II (Honours)**

Syllabus, books and examination as for the pass course in Japanese II and, *in addition*, the following:—

Seminar in Japanese bibliography, one hour alternating weeks.

EXAMINATION: One two-hour paper.

EXAMINATION (in translation to Japanese): One two-hour paper.

**Japanese III (Honours)**

Syllabus, books and examination as for the pass course in Japanese III and, *in addition*, the following:—

Seminar in Chinese bibliography, one hour alternating weeks.

EXAMINATION: One two-hour paper.

EXAMINATION (in translation to Japanese): One two-hour paper.

**Japanese (Honours Year)**

Lectures and tutorials in literary Japanese and classical Chinese.

Seminar in research methods.

Seminar in Japanese and Chinese history.

EXAMINATION: Six three-hour papers.

**Bahasa Indonesia and Malay I (Honours)**

As for the pass course in Bahasa Indonesia and Malay I.

**Bahasa Indonesia and Malay II (Honours)**

Syllabus, books and examination as for the pass course in Bahasa Indonesia and Malay II and, *in addition*, the following:—

Seminar in Malayan and Indonesian bibliography, one hour alternating weeks.

EXAMINATION: One two-hour paper.

**Bahasa Indonesia and Malay III (Honours)**

Syllabus, books and examination as for the pass course in Bahasa Indonesia and Malay III and, *in addition*, the following:—

Seminar in comparative Indonesian linguistics, one hour alternating weeks.

EXAMINATION: One two-hour paper.

**Bahasa Indonesia and Malay (Honours Year)**

Lectures and tutorials in classical Malay and Javanese.

Course in Sanscrit or Arabic.

Seminar in research methods.

Seminar in Southeast Asian history.

**EXAMINATION:** Six three-hour papers.

**Javanese I (Honours)****Javanese II (Honours)**

As for the pass courses in Javanese I and Javanese II.

**Oriental Civilization (Honours)**

As for the pass course in Oriental Civilization.

**Far Eastern Civilization I (Honours)****Far Eastern Civilization II (Honours)**

As for the pass courses in Far Eastern Civilization I and Far Eastern Civilization II.

**Southeast Asian Civilization I (Honours)****Southeast Asian Civilization II (Honours)**

As for the pass courses in Southeast Asian Civilization I and Southeast Asian Civilization II.

**FOR THE DEGREE OF MASTER OF ARTS**

A student who has qualified for the Bachelor of Arts degree with at least second class honours in Chinese Studies, Japanese Studies, or Southeast Asian Studies, may proceed to the Master's degree by thesis or special assignments and examination. A candidate may be required to pass an oral examination.

**MASTER OF ARTS—QUALIFYING EXAMINATION**

A student who has qualified for a Bachelor of Arts pass degree with a major in Chinese Studies, Japanese Studies, or Southeast Asian Studies, from this or any recognized university may, with the approval of the Head of the Department, proceed to the Master's degree by first passing a qualifying examination.

The subjects for such an examination will be prescribed by the Head of the Department after taking into consideration the nature of the work already done and the student's specialized plans for advanced study.

## DEPARTMENT OF PHILOSOPHY

K. E. M. BAIER, M.A. MELB., D.PHIL. OXON.

*Professor and Head of the Department*

## INTRODUCTION

To study philosophy is to investigate fundamental problems which underlie the fields of the various special studies in a university course. These problems are not studied systematically below the university level. Furthermore, they cover a wide field. Hence, for students in their first year, the Department of Philosophy provides two alternative introductory units—one in Problems of Philosophy and one in Logic and Scientific Method. In the first of these, the introduction takes the form of a direct discussion, as thorough as time permits, of a small selection of philosophical problems as they arise from ordinary experience. In the second, there is a study of the principles involved in the criticism of arguments and in the drawing of conclusions in any systematic discipline. Both are so framed as to be of value to students in all Faculties.

From one or other of these starting points, a student may extend his work in philosophy in various directions to complete a major or sub-major. He or she may take the other introductory unit, or one or more of three further ones: History of Philosophy, in which the central problems of philosophy are followed up; Ethics and Politics, in which there is a study of certain key questions in moral and social philosophy; and History and Philosophy of Science, a unit designed to provide students with some understanding of the growth of science and the concepts and assumptions which science implies.

Because their other studies give students special interests, it is arranged that both Ethics and Politics and History and Philosophy of Science may be taken not only by students who have passed in a first year philosophy unit, but also by any one who has passed in any two other university subjects.

Any one who has passed at a sufficiently high standard in either first year unit (and otherwise completed the requirements for the first year) may enter the second year in the Honours School of Philosophy. In the third and fourth years, students in this School undertake a concentrated course comprising a series of special honours units designed to give a thorough grounding in the various branches of philosophy. Alternatively, philosophy may be combined with most other Arts subjects to make a combined honours course. The Department also provides opportunities for graduate students to work for the Degree of Master of Arts in Philosophy.

## FOR THE PASS DEGREE

Units in philosophy available for students taking a course for the Pass Degree are:

- Problems of Philosophy
- Logic and Scientific Method
- Ethics and Politics
- History of Philosophy
- History and Philosophy of Science.



Problems of Philosophy and Logic and Scientific Method are alternative first year units, either of which may form the first part of a major or sub-major. The second and third parts of a major may then be made up by selecting any *two* of the four remaining units. The second part of a sub-major may be made up by selecting any *one* of the four remaining units.

As well as forming parts of majors or sub-majors in this way, Ethics and Politics and History and Philosophy of Science may be incorporated into a course without the pre-requisite of a first year philosophy unit, so long as a pass has been obtained in at least two other university units.

Certain of the special honours units listed in the section on honours courses, especially Greek Philosophy, may, with the permission of the head of the Department, be made available for students for the Pass Degree, and may then count as the third part of a major. Where this is done, two majors may be taken in philosophy.

In each unit written class work will be prescribed, completion of which is a condition of entry for the annual examination. This examination consists, in each case, of one three-hour paper at the end of the year.

### Problems of Philosophy

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** An introduction to philosophy through an examination of certain philosophical problems. The emphasis will not be on a historical treatment of these problems but upon them as they arise directly from ordinary experience. Topics will be selected from the following: the relations between mind and body, the nature of a person; free will and determinism; perception, knowledge, and the ways in which views on these subjects may alter views about the nature of material things; moral decisions and the reasons that may be given for them; reason, the limitations of its use, and the relevance of mystical experience in philosophical enquiry.

#### BOOKS:

##### PRELIMINARY READING

Reeves, J. W. *Body and Mind in Western Thought* Penguin

##### PRESCRIBED BOOKS

There will be no general text-book. Specific reading will be prescribed from the following:—

Descartes, R. *Philosophical Writings* tr. Anscombe and Geach, Nelson  
(Second and Sixth Meditations, Third Set of Objections and Replies)

Locke, J. *Essay Concerning Human Understanding* Abridged ed., O.U.P.  
(Book II, chs. 23, 27)

Hume *A Treatise of Human Nature* O.U.P. (Book I, part IV, sect. VI)

Ryle, G. *The Concept of Mind* Hutchinson (Ch. 1)

Moore, G. E. *Ethics* H.U.L. (Ch. 6)

Campbell, C. A. "Is Free Will a Pseudo-problem?" *Mind*, Oct., 1951

Berkeley, G. "Three Dialogues between Hylas and Philonous" in *New Theory of Vision and Other Writings* Everyman

Ayer, A. J. *The Problem of Knowledge* Macmillan or Penguin (Ch. 3 and 5)

Russell, B. *The Problems of Philosophy* H.U.L. (Ch. 1 to 4)

Russell, B. "Mysticism and Logic" in *Mysticism and Logic and Other Essays* Allen and Unwin or Penguin

Mill, J. S. *Utilitarianism* Everyman

Sartre, J. P. *Existentialism and Humanism* Methuen

Plato "The Meno" in *Protagoras and Meno* tr. W. K. C. Guthrie, Penguin

or *Five Dialogues of Plato* Everyman

*Bhagavadgita* tr. C. Isherwood, Mentor Books

#### REFERENCE BOOKS

Edwards, P., and Pap, A. (ed.) *A Modern Introduction to Philosophy*  
The Free Press, Glencoe

Gibson, Q. *Facing Philosophical Problems* Cheshires

Hospers, J. *An Introduction to Philosophical Analysis* Routledge  
(Ch. 4 to 6)

Whiteley, C. H. *An Introduction to Metaphysics* Methuen

Further references will be given during the year.

**EXAMINATION:** One three-hour paper.

### Logic and Scientific Method

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** The rudiments of traditional and modern formal logic; formal logic and ordinary language; the nature of deductive systems; necessary and contingent truth; definition and classification; natural kinds; induction and probability; causation; framing and testing hypotheses; theories and laws.

#### BOOKS:

##### PRELIMINARY READING

Black, M. *Critical Thinking* Prentice-Hall

##### PRESCRIBED BOOKS.

Cohen, M., and Nagel, E. *Introduction to Logic and Scientific Method*  
Routledge

Copi, I. *Symbolic Logic* Macmillan

Barker, F. S. *Induction and Hypothesis* Cornell

Further references to books and articles will be given during the year.

**EXAMINATION:** One three-hour paper.

### Ethics and Politics

Either Problems of Philosophy or Logic and Scientific Method, or any two other units prescribed for the Degree of Bachelor of Arts, must be passed before this unit is taken.

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** An introductory course of social philosophy. Topics discussed will be selected from among the following: The nature of society; morality; custom; law; government; sovereignty; rights; natural rights; freedom; equality; justice; punishment; international relations; the examination of the subject matter, aims and methods of a science of politics; the various kinds of evaluation of political organizations, social practices and institutions; the nature and validation of moral judgments.

**BOOKS:**

## PRELIMINARY READING

Lippmann, W. *The Public Philosophy* Mentor Books

## PRESCRIBED BOOKS

Melden, A. I. *Ethical Theories* (A Book of Readings) Prentice-Hall, N.Y.  
 Benn, S. I., and Peters, R. S. *Social Principles and the Democratic State*  
 Allen & Unwin  
 Olafson, F. A. *Society Law, and Morality: Readings in Social Philosophy*  
 Prentice-Hall

## REFERENCE BOOKS

Nowell-Smith, P. H. *Ethics* Penguin  
 Hare, R. M. *The Language of Morals* Oxford, Clarendon Press  
 Baier, K. E. M. *The Moral Point of View* Cornell U.P.  
 Utley, T. E., and Maclure, J. S. (ed.) *Documents of Modern Political Thought* C.U.P.  
 Gibson, Q. B. *The Logic of Social Enquiry* Routledge  
 Hospers, J. *Human Conduct* Harcourt Brace

**EXAMINATION:** One three-hour paper.

**History of Philosophy**

Either Problems of Philosophy or Logic and Scientific Method must be passed before this unit is taken.

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** Descartes, Leibniz, Locke, Berkeley, Hume. (Students reading for an honours degree in Philosophy will do additional work in Leibniz.)

**BOOKS:**

## PRESCRIBED BOOKS

Descartes, R. *Descartes' Philosophical Writings* tr. Anscombe and Geach, Nelson, or tr. Kemp-Smith, Macmillan  
 Leibniz, G. *Leibniz Selections* ed. P. Wiener, Scribners  
 Locke, J. *Essay Concerning Human Understanding* Pringle-Pattison's abridged ed., O.U.P.  
 Berkeley, G. *Principles of Human Knowledge* Everyman  
 Hume, D. *Enquiries Concerning the Human Understanding* O.U.P.  
 Hume, D. *A Treatise of Human Nature* O.U.P.

## REFERENCE BOOKS

Kemp-Smith, N. *New Studies in the Philosophy of Descartes* Macmillan  
 Saw, R. *Leibniz* Penguin  
 Russell, B. *The Philosophy of Leibniz* Allen & Unwin  
 Joseph, H. W. B. *Philosophy of Leibniz* O.U.P.  
 O'Connor, D. J. *John Locke* Penguin  
 Warnock, G. J. *Berkeley* Penguin  
 Passmore, J. A. *Hume's Intentions* C.U.P.  
 Kemp-Smith, N. *The Philosophy of David Hume* Macmillan  
 Basson, A. H. *David Hume* Penguin

**EXAMINATION:** One three-hour paper.

### History and Philosophy of Science

Either Problems of Philosophy or Logic and Scientific Method, or any two other units prescribed for the degree of Bachelor of Arts, must be passed before this unit is taken.

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** The purpose of the historical part of this course is to provide an understanding of the growth mechanism of the evolving structure of science. It will also serve as illustrative material for the philosophical part. In the philosophical part, there will be discussion of the nature of the assumptions of science, of the meaning of its fundamental concepts and of the problems facing scientists. The topics covered will be as follows: Survey of Greek science; the transition from the Ptolemaic to the Copernican planetary system and from Aristotelian to Newtonian mechanics; temperature and heat; the discovery of specific heat and latent heat; the caloric theory of heat and the kinetic theory of heat; the role of observation, experiment, mathematics and other factors in shaping the course of science.

#### BOOKS:

##### PRELIMINARY READING

Butterfield, H. *The Origins of Modern Science* Bell  
Koestler, A. *The Sleepwalkers* Hutchinson

##### PRESCRIBED BOOKS

Kuhn, T. S. *The Copernican Revolution* Modern Library paperback  
Danto, A., and Morgenbesser, S. *Philosophy of Science* Meridian Books

##### REFERENCE BOOKS

Sambursky, S. *The Physical World of the Greeks* Routledge  
Cohen, B. I. *The Birth of a New Physics* Anchor Books  
Conant *Harvard Case Studies in Experimental Science—Case 3* Harvard  
Braithwaite, R. B. *Scientific Explanation* Cambridge

**EXAMINATION:** One three-hour paper.

### FOR THE DEGREE WITH HONOURS

#### HONOURS SCHOOL IN PHILOSOPHY

The course for the Degree with Honours in the School of Philosophy extends over four years.

In their first year, students are not expected to specialise in philosophy. However, in order to qualify for entry into the second year of the course, they must, in their first year, enrol either for Problems of Philosophy or for Logic and Scientific Method, together with three other units, one of which should preferably be a language other than English. All these units may be taken at the pass standard. In order to be admitted to the second year of the course, students will normally be required to have obtained at least a credit in the philosophy unit.

In the second year, students shall take three philosophy units and one other unit. One of the three philosophy units must be either Problems of Philosophy or Logic and Scientific Method, whichever was not taken in the first year. Another must be History of Philosophy and the third may be either Ethics and Politics or History and Philosophy of Science. There will be no additional fields of study prescribed beyond those for the Pass Degree in these units, but students will be examined at the honours standard at the end of the year and they will be graded with honours on the whole of the year's work.

In the third and fourth years, students for the honours degree shall take a series of special honours units, some of which will be available each year and some only in alternate years.

In the third year, students shall take the honours units in Logic and Contemporary Philosophy I, together with a selection from the following units which are offered only in alternate years:—

Political Philosophy	}	Available in 1962 and alternate years.
Aesthetics		
Special Subject		
Ethics	}	Available in 1963 and alternate years.
Kant		
Philosophical Psychology		
Philosophy of Science		
History of Ideas	}	Available from 1964 in alternate years.
Philosophy of Religion		

At the end of this year there will be an examination consisting of four three-hour papers, covering the work done during the year

In their fourth year, students shall take the honours unit Contemporary Philosophy II, Greek Philosophy, and a selection from those alternating units which have not been taken in the third year.

The selection from the alternating units will be made in order to suit the emphasis of the course as a whole. Where Ethics and Politics is taken in the second year, History and Philosophy of Science may be included as a Pass course in substitution for two of the alternating units in either the third or the fourth year. Where History and Philosophy of Science is taken in the second year, Ethics and Politics may be included as a pass course in substitution for Ethics and for Political Philosophy. Other modifications may be introduced to suit individual cases after discussion with the Head of the Department.

There will be a final honours examination at the end of the fourth year consisting of seven three-hour papers.

**Problems of Philosophy**  
**Logic and Scientific Method**  
**Ethics and Politics**  
**History of Philosophy**  
**History and Philosophy of Science**

Details of the above units for honours students will be the same as for the pass units described in the preceding section.

**Logic**

Two classes a week for honours students in their third year.

**SYLLABUS:** A study of certain more advanced logical topics selected from the following: Further work in formal logic; problems about logical necessity; a study of deductive systems and their application in science; the foundations of mathematics; theories of probability; the logic of the social sciences and its relation to that of the natural sciences.

**BOOKS:**

## REFERENCE BOOKS

- Strawson, P. F. *Introduction to Logical Theory* Methuen  
 Quine, W. Van O. *Methods of Logic* Henry Holt, N.Y.  
 Quine, W. Van O. *From a Logical Point of View* Harvard  
 Frege, G. *Philosophical Writings* tr. Geach and Black, Blackwell  
 Black, M. *The Nature of Mathematics* Routledge  
 Braithwaite, R. B. *Scientific Explanation* C.U.P.  
 Popper, K. *The Logic of Scientific Discovery* Hutchinson  
 Kneale, W. *Probability and Induction* O.U.P.  
 Gibson, Q. *The Logic of Social Enquiry* Routledge

Further references will be given during the year.

**EXAMINATION:** See page 100.

**Contemporary Philosophy I**

Two classes a week for honours students in their third year.

**SYLLABUS:** A study of some developments in philosophy from the late nineteenth century to the third decade of the present century. This course leads up to Contemporary Philosophy II.

**BOOKS:**

## PRESCRIBED BOOKS

- Bradley, F. H. *Appearance and Reality* O.U.P.  
 Bergson, H. *Introduction to Metaphysics* Macmillan  
 Moore, G. E. *Philosophical Studies* Kegan Paul  
 Moore, G. E. "A Defence of Common Sense" in *Contemporary British Philosophy, First Series* Allen & Unwin  
 Alexander, S. *Space, Time and Deity* Macmillan  
 Anderson, J. "The Knower and the Known" in *Aristotelian Society Proceedings, 1926-7* Harrison & Sons  
 Russell, B. *Logic and Knowledge* Allen & Unwin  
 Russell, B. *Our Knowledge of the External World* Allen & Unwin  
 Wittgenstein, L. *Tractatus Logico-Philosophicus* Routledge

## REFERENCE BOOKS

- Bradley, F. H. *The Principles of Logic* O.U.P.  
 Moore, G. E. *Some Main Problems in Philosophy* Allen & Unwin  
 Holt, E. B., and others *The New Realism* Macmillan  
 Russell, B. *Mysticism and Logic, and other essays* Allen & Unwin  
 Russell, B. *The Analysis of Mind* Allen & Unwin  
 Passmore, J. A. *A Hundred Years of Philosophy* Duckworth

Further and more detailed references will be given during the year.

**EXAMINATION:** See page 100.

**Ethics**

(This unit will not be available in 1962; it will be offered in 1963 and alternate years.)

One class a week for honours students in their third or fourth year.

**SYLLABUS:** A systematic study of the moral philosophy of Immanuel Kant.

**BOOKS:**

## PRESCRIBED BOOKS

Kant *Kant's Critique of Practical Reason and Other Writings in Ethics* tr. T. K. Abbott Longmans

## REFERENCE BOOKS

Beck, L. W. *A Commentary on Kant's Critique of Practical Reason* Chicago U.P.

Broad, C. D. *Five Types of Ethical Theory* Kegan Paul

Lindsay, A. D. *Kant* O.U.P.

Körner, S. *Kant* Penguin

Paton, H. J. *The Categorical Imperative* Hutchinson

Hare, R. M. *The Language of Morals* Oxford, Clarendon Press

Nowell-Smith, P. H. *Ethics* Penguin

Baier, K. E. M. *The Moral Point of View* Cornell U.P.

Singer, M. G. *Generalization in Ethics* Knopf

Aiken, H. D. *Reason and Conduct* Knopf

**EXAMINATION:** See page 100.

**Kant**

(This unit will not be available in 1962; it will be offered in 1963 and alternate years.)

One class a week throughout the year for honours students in their third or fourth year.

**SYLLABUS:** A study of Kant's *Critique of Pure Reason*

**BOOKS:**

## PRELIMINARY READING

Körner, S. *Kant* Penguin

## PRESCRIBED BOOKS

Kant *The Critique of Pure Reason* tr. Kemp-Smith, Macmillan

## REFERENCE BOOKS

Kant *Prolegomena* tr. Lucas, Manchester U.P.

Kemp-Smith, N. A. *A Commentary on Kant's Critique of Pure Reason* Macmillan

Paton, H. J. *Kant's Metaphysic of Experience* 2 vols., Allen & Unwin

Ewing, A. C. *A Short Commentary on Kant's Critique of Pure Reason* Methuen

Lindsay, A. D. *Kant* O.U.P.

Weldon, T. D. *An Introduction to Kant's Critique of Pure Reason* 2nd ed., O.U.P.

Martin, G. *Kant's Metaphysics and Theory of Science* tr. Lucas, Manchester U.P.

EXAMINATION: See page 100.

### Philosophical Psychology

(This unit will not be available in 1962; it will be offered in 1963 and alternate years.)

One class a week throughout the year, for honours students in their third or fourth year.

SYLLABUS: An examination of some mental concepts.

#### BOOKS:

##### REFERENCE BOOKS

- Ryle, G. *The Concept of Mind* Hutchinson  
 Russell, B. *The Analysis of Matter* Allen & Unwin  
 Wittgenstein, L. *Philosophical Investigations* Blackwell  
 Anscombe, G. E. M. *Intensions* Blackwell  
 Hampshire, S. *Thought and Action* Chatto & Windus  
 Strawson, P. F. *Individuals* Methuen

Additional references will be given during the course.

EXAMINATION: See page 100.

### Greek Philosophy

Two classes a week for honours students in their fourth year.

SYLLABUS: Pre-Socratic thinkers. Plato Aristotle.

#### BOOKS:

##### PRESCRIBED BOOKS

- Plato *Phaedo Republic Theaetetus Sophist Parmenides Timaeus*  
 Aristotle *Physics, Metaphysics*

##### REFERENCE BOOKS

- Burnet, J. *Early Greek Philosophy* Black  
 Burnet, J. *Greek Philosophy, Part I, Thales to Plato* Macmillan  
 Cornford, F. M. *Plato and Parmenides* Kegan Paul  
 Cornford, F. M. *Plato's Theory of Knowledge* Kegan Paul  
 Freeman, K. *Ancilla to the Pre-Socratic Philosophers* Blackwell  
 Freeman, K. *Companion to the Pre-Socratic Philosophers*  
 Hardie, W. F. R. *A Study in Plato* O.U.P.  
 Taylor, A. E. *Plato: The Man and His Work* Methuen  
 Ross, W. D. *Plato's Theory of Ideas* O.U.P.



- Ross, W. D. *Aristotle* Methuen  
 Taylor, A. E. *Aristotle* People's Books  
 Allan, D. J. *The Philosophy of Aristotle* H.U.L.  
 Collingwood, R. G. *The Idea of Nature* O.U.P.

EXAMINATION: See page 100.

### Contemporary Philosophy II

Two classes a week for honours students in their fourth year.

SYLLABUS: A study of some developments in philosophy from the third decade of the present century to the present time.

#### BOOKS:

##### PRESCRIBED BOOKS

- Carnap, R. *The Unity of Science Psyche Miniature Series*, tr. Black Kegan Paul  
 Ayer, A. J. *Language, Truth and Logic* Gollancz  
 Wittgenstein, L. *Philosophical Investigations* Blackwell  
 Wisdom, J. *Other Minds* Blackwell  
 Flew, A. G. N. (ed) *Logic and Language* Blackwell (Vols. I and II)  
 Ryle, G. *The Concept of Mind* Hutchinson  
 Strawson, P. F. *Individuals* Methuen

##### REFERENCE BOOKS

- Passmore, J. A. *A Hundred Years of Philosophy* Duckworth  
 Urmson, J. O. *Philosophical Analysis* Oxford  
 Warnock, G. J. *English Philosophy since 1900* Oxford  
 Lewis (ed.) *Contemporary British Philosophy*, Third Series Allen & Unwin  
 Feigl & Sellars, (ed.) *Readings in Philosophical Analysis* Appleton-Century-Crofts

Further references, especially to recent contributions to periodicals, will be given during the year.

EXAMINATION: See page 100.

### Political Philosophy

(This unit will be offered in 1962 and alternate years.)

One class a week throughout the year for honours students in their third or fourth year.

SYLLABUS: An examination of the concept of politics. The problems discussed will include those of the nature and function of the state; the nature of law; the existence of natural rights; justice; equality, freedom, property, and punishment; power, authority, sovereignty; the study of politics.

#### BOOKS:

##### REFERENCE BOOKS

- Benn, S. I. and Peters, R. S. *Social Principles and the Democratic State* Allan & Unwin  
 Gibson, Q. B. *The logic of Social Enquiry* Routledge  
 Mabbott, J. D. *The State and the Citizen* Hutchinson  
 Laslett, P. *Philosophy, Politics, and Society* Blackwell  
 Barker, E. *Principles of Social and Political Theory* Oxford, Clarendon Press

- Olafson, F. A. *Society, Law and Morality: Readings in Social Philosophy*  
Prentice-Hall
- Partridge, P. H. *Thinking about Politics* (Australian National University  
Inaugural Lecture)
- Hart, H. L. A. *The Concept of Law* O.U.P.

### Aesthetics

(This unit will be offered in 1962 and alternate years.)

A course of one lecture discussion a week. Although this course forms part of the Honours School in Philosophy, any student with an interest in the subject who has completed one year of his course may apply for permission to attend lectures.

**SYLLABUS:** A discussion of the main concepts employed in the appreciation and evaluation of works of art. The major aesthetic theories will be considered in this light.

**BOOKS:** Texts and references will be given during the course.

**EXAMINATION:** See page 100.

### Special Subject

(This unit will be offered in 1962 and alternate years.)

One class a week throughout the year for honours students in their third or fourth year.

**SYLLABUS:** Intensive study of one classical text, to be selected on the basis of the training and interests of the students enrolled and with a view to achieve the best balancing for their courses.

Text and references will be given at the beginning of the course.

**EXAMINATION:** See page 100.

*Note:* Philosophy of Science will be offered in 1963 and alternate years. Philosophy of Religion and History of Ideas will be offered in 1964 and alternate years.

## FOR THE DEGREE OF MASTER OF ARTS

Students who have qualified for the Degree of Bachelor of Arts with at least second class honours in the honours course in Philosophy may proceed to the Master's degree by thesis and oral examination. The subject for a thesis must be approved by the Head of the Department. Students may be required by the Head of the Department to attend seminars or discussion classes relevant to their thesis.

### MASTER OF ARTS—QUALIFYING EXAMINATION

Students who have qualified for the Pass Degree of Bachelor of Arts with at least a major in Philosophy from this University or its equivalent from any other recognized University may, with the approval of the Head of the Department, proceed to the Master's degree by first passing a qualifying examination.

The subjects for such an examination will be prescribed by the Head of the Department after taking into consideration the nature of the work already done and the student's particular interests in further study.

## DEPARTMENT OF POLITICAL SCIENCE

L. F. CRISP, M.A. OXON. AND ADEL.  
*Professor and Head of the Department*

The following units, details of which are given under the Faculty of Economics (*see* pages 139 to 146), are available as pass honours units for the Degree of Bachelor of Arts:—

**Political Science I**

**Political Science II**

**Political Science III**

**Political Science IV (Honours only)**

**International Relations**

**Public Administration**

## DEPARTMENT OF PSYCHOLOGY

C. A. GIBB, M.A., B.EC. SYD., PH.D. ILLINOIS  
*Professor and Head of the Department*

## INTRODUCTION

Psychology may be studied either as a single course, designed to give some insight into the objective and scientific study of human behaviour, or as a major in either an Arts or Science degree. The first year of the course is largely an introduction to the methods used in psychological science and to the type of problems with which it deals. However, a good deal of substantive information is included upon such subjects as motivation, perceiving, learning, remembering, thinking, individual differences, personality and elementary statistical procedures. Subsequent courses treat more specialized subject matter and offer training in more advanced techniques. Students in all courses in psychology participate in laboratory work.

A student with leanings towards the natural sciences will ordinarily take psychology as a major in a Bachelor of Science degree course. One whose interests incline him rather to social psychology will ordinarily pursue the Bachelor of Arts degree course with honours in psychology.

The Pass Degree courses are not planned with a view to providing specialized professional training. Students who wish to become practising psychologists will usually need to pursue an honours course and, in some circumstances, to proceed to postgraduate studies in psychology.

In general, a student who has an honours Bachelor's degree in Arts or Science may enrol directly for the degree of Doctor of Philosophy, but in Arts it is customary to do this by taking a Master of Arts degree first. The Pass Degree student with a major in psychology may enrol for a Master's degree in Arts or Science (depending upon the Faculty in which his first degree was taken) but may not enrol directly for the degree of Doctor of Philosophy.

### FOR THE PASS DEGREE

#### Psychology I

(General Introductory Course)

Three lectures a week, with laboratory work throughout the year, which provides an introduction to psychology by examining the central group of topics comprising general psychology.

**SYLLABUS:** An introduction to behaviour and methods of observing it. The biological and social bases of behaviour. Human heredity. Nervous system in man. Sensory receptor organs and the effectors. Perception. Motivation and emotion. Learning. Thinking, intelligence and ability. Nature and development of personality. Individual differences in abilities and personality. Psychological measurement. The individual in society.

**LABORATORY:** Three hours a week. Records are kept of success in performing and reporting practical work and these form an integral part of the examination. Attendance at these classes is compulsory.

Laboratory work emphasises training in methods of psychological investigation (including statistical methods).

#### BOOKS:

##### PRESCRIBED BOOKS

- Krech, D., and Crutchfield, R. S. *Elements of Psychology* Knopf, 1958  
 McGuigan, F. J. *Experimental Psychology* Prentice-Hall, 1960  
 Drever, J. *A Dictionary of Psychology* Penguin, 1952  
 University of Melbourne *Elementary Statistical Methods Notes*

**EXAMINATION:** Two three-hour papers, and assessment of laboratory work. Distinction and credit will be awarded on this examination where candidates show a wider and more detailed knowledge than is required of a pass candidate.

#### Psychology II

(Personality)

Three lectures a week, with laboratory work, throughout the year, the core of which is the description and measurement of personality.

**SYLLABUS—IIA:** Conceptions of personality. Analysis of personality constituents. Processes involved in personality formation. Theoretical approaches—perceptual, field theory, psychoanalysis, learning theory. Determining differences—biological, experiential, social. The impact of family and other groups. Prescription of roles. The assessment of the individual.

**LABORATORY—IIB:** Three hours a week (compulsory attendance). This part of the course is concerned with the measurement and evaluation of individual behaviour, particularly in terms of cognitive abilities, interests and attitudes, motivation and temperament traits. Direct experience will be obtained with such methods as: interview, standardized tests, questionnaires, rating scales, and projective devices. Relevant statistical procedures will be included.

**BOOKS:**

## PRESCRIBED BOOKS

**IIA Lecture course:**

- Cattell, R. B. *An Introduction to Personality Study* Hutchinson's University Library, 1950  
 Guilford, J. P. *Personality* McGraw-Hill, 1959

**IIB Laboratory course:**

- Cronbach, L. J. *Essentials of Psychological Testing* 2nd ed., Harper, 1959  
 Guilford, J. P. *Fundamental Statistics in Psychology and Education* 3rd ed., McGraw-Hill, 1958

**EXAMINATION:** Candidates for the Pass Degree in Arts will take two three-hour examinations on sections IIA and IIB of this course and, in addition, laboratory note-books will be assessed.

**Psychology III****(Social Psychology)**

Three lectures a week, with laboratory work, throughout the year, treating in some detail problems of behaviour in groups.

**SYLLABUS—IIIA:** Nature of social behaviour. Theoretical approaches to social psychology. Concepts of social psychology. The social-cultural context of behaviour. The processes of socialization. The group as a system of social interaction. Communication. Role differentiation. Leadership. Social structure. Inter-group relations. Research methods of social psychology. Applied social psychology.

**LABORATORY—IIIB:** Three hours a week (compulsory attendance). This part of the course is concerned with investigational methods in social psychology and group dynamics. Experiment. Observer methods. Attitude scales. Sociometric methods. The interview. Content analysis. The cross-cultural method. Relevant statistical procedures.

## PRESCRIBED BOOKS

**BOOKS:****IIIA Lecture course and IIIB Laboratory course:**

- Lindzey, G. (ed.) *Handbook of Social Psychology* 2 vols., Addison-Wesley, 1954  
 Sprott, W. J. H. *Human Groups* Pelican, 1958

**EXAMINATION:** Candidates for the Pass Degree in Arts will take three three-hour examinations on sections IIIA and IIIB of this course and, in addition, laboratory work will be assessed.

## FOR THE DEGREE WITH HONOURS

## HONOURS SCHOOL IN PSYCHOLOGY

In the case of the Degree with Honours in Psychology, there is no special or additional work in the first year. Each student will enrol for a normal first year of four units: Psychology I and three others. Distinction and credit will be awarded in Psychology I on the results of the final examination and on records of class work.

After electing Psychology honours at the beginning of second year the course will then normally be:

*In the Second Year:* (a) Psychology IIA and IIB as for the Pass Degree, with additional honours work;

(b) the second unit of a major or sub-major other than Psychology.

*In the Third Year:* (a) Psychology IIIA and IIIB as for the Pass Degree, with additional honours work;

(b) the third unit of a major or the second unit of a second sub-major other than Psychology.

*In the Fourth Year:* Psychology IV.

Of the ten units normally required for the Arts degree, the Psychology honours course (Psychology I, II, III, IV, with additional work in second and third years) accounts for five units, and five others are required. Three of these will normally be done in the first year. The other two may be so chosen as to constitute a second major or may be chosen to give two sub-majors. Which of these choices is made will ordinarily depend on the vocational plans of the student who is advised to discuss this matter with the Professor of Psychology.

**Psychology II (Honours)**

(i) As for the Pass Degree, three lectures a week, with laboratory work, throughout the year, the core of which is the description and measurement of personality (Psychology IIA and IIB).

(ii) Candidates for the Bachelor of Arts Degree with Honours in Psychology must during their second year elect one of the following sub-units (IIC or IID) in addition to the sub-units IIA and IIB.

**LABORATORY—IIC (Perceptual Processes):** Three hours a week. This course deals with such questions as: Dimensions of the phenomenal world; the phenomena of perception; perceptual development and differentiation; neuro-physiological factors in perception; psychophysical measurement; perception of objects and events; social perception.

**LABORATORY—SEMINAR—IID (Thinking and Language):** Three hours a week. Topics dealt with in this laboratory will be selected from the following: Basic processes involved in thinking—memory, imagination, conceptualization; communication; thinking and structure of language; language learning; thought processes in children, preliterate and disordered minds; productive thinking and problem solving.

## BOOKS :

## PRESCRIBED BOOKS

## IIA Lecture course:

Cattell, R. B. *An Introduction to Personality Study* Hutchinson's University Library, 1950

Guilford, J. P. *Personality* McGraw-Hill, 1959

## IIB Laboratory course:

Cronbach, L. J. *Essentials of Psychological Testing* 2nd ed., Harper, 1959

Guilford, J. P. *Fundamental Statistics in Psychology and Education* 3rd ed., McGraw-Hill, 1958

## IIC Laboratory in Perceptual Processes:

Dember, W. N. *The Psychology of Perception* Holt, Rinehardt & Winston, 1960

Osgood, C. E. *Method and Theory in Experimental Psychology* O.U.P., 1953

## IID Laboratory in Thinking and Language:

Piaget, J. *The Psychology of Intelligence* Routledge, 1951

Sluckin, W. *Minds and Machines* Pelican, 1954

Werthiemer. *Productive Thinking* Harper, 1945

**EXAMINATION:** Two three-hour examinations on sections IIA and IIB and, in addition, one three-hour paper in one of the sub-units IIC or IID. Laboratory note-books will be assessed.

**Psychology III (Honours)**

(i) As for the Pass Degree, three lectures a week with laboratory work, throughout the year, in Social Psychology and Group Dynamics (Psychology IIIA and IIIB).

(ii) Candidates for the Bachelor of Arts Degree with Honours in Psychology must during the third year also attend and satisfy requirements in the laboratory sub-unit IIIC described below.

**LABORATORY—IIIC (Motivation and Learning):** Six hours a week. This course devotes considerable attention to laboratory methods and techniques using both human and animal subjects. Topics will be selected from: Learnable drives and rewards. Emotion. Animal studies of learning. Human learning and retention. The psychophysiology of learning. Transfer of training. Learning and education.

## BOOKS :

## PRESCRIBED BOOKS

## IIIA Lecture course and IIIB Laboratory course:

Lindzey, G. (ed.) *Handbook of Social Psychology* 2 vols., Addison-Wesley, 1954

Sprott, W. J. H. *Human Groups* Pelican, 1958

## IIC Laboratory in Motivation and Learning:

Osgood, C. E. *Method and Theory in Experimental Psychology* O.U.P., 1953

Stevens, S. S. *Handbook of Experimental Psychology* Chapman & Hall, 1951

Hilgard, E. R. *Theories of Learning* 2nd ed., Appleton-Century-Crofts, 1956

**EXAMINATION:** Three three-hour examinations on section IIIA and IIIB and, in addition, one three-hour paper in the sub-unit IIIC. Laboratory work will be assessed.

#### Psychology IV (Honours)

Candidates for the Degree with Honours must devote their full time in fourth year to the study of psychology. The work of the honours year will consist of selected topics in psychology taken at an advanced level. There will be few formal lectures, and the work will be covered by directed reading, seminars and tutorials with laboratory work. Candidates will also be required to undertake original work on a selected research problem and to submit a report which must be satisfactory to the examiners.

**EXAMINATION:** Written examinations will be held from time to time throughout the year and laboratory work and research report will be assessed.

#### FOR THE DEGREE OF MASTER OF ARTS

A student who has qualified for the Bachelor of Arts degree with at least second class honours in psychology may, provided he satisfies the Head of the Department as to his knowledge of psychology, proceed to the Master's degree by thesis or examination or both.

#### MASTER OF ARTS—QUALIFYING EXAMINATION

A student who has qualified for a Pass Bachelor of Arts degree with a major in psychology from this or any recognized university may, with the approval of the Head of the Department, proceed to the Master's degree by first passing a qualifying examination.

The subjects for such an examination will be prescribed by the Head of the Department after taking into consideration the nature of the work already done and the student's specialized plans for advanced study.

#### FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will usually hold the honours degree of Bachelor of Science or the honours degree of Bachelor of Arts, though candidates with degrees of Master of Science or Master of Arts may be admitted to the programme.

In 1962 facilities exist in the Department for work towards the Degree of Doctor of Philosophy in the areas of social psychology, group dynamics, personality, counselling, development of thought processes, human learning, and perception.



## DEPARTMENT OF STATISTICS

E. J. HANNAN, B. COM. MELB., PH.D. A.N.U.  
*Professor and Head of the Department*

The following units, details of which are given under the Faculty of Economics (*see* pages 147 to 150), are available as units for the Degree of Bachelor of Arts:—

- Statistics I**
- Statistics II**
- Statistics III**
- Statistics IV**

Students wishing to take an honours degree will normally include in their courses the following units:—

- (a) Pure Mathematics I, II, III, IV;
- (b) Statistics II, III, IV;
- (c) Applied Mathematics I;
- (d) a course of up to three other approved subjects.

The units under (a) and (b) will be the honours units. The units under (d) should include one or two related to fields in which statistics is extensively applied (for example, economics, psychology, botany, zoology).

Admission to the fourth year depends on the attainment of a high standard, including distinction in the most important units, during the first three years of the course.

## GEOGRAPHY

## INTRODUCTION

Geography is concerned with the relationship between Earth and Man, and the interaction of the two in space. Because of the basic importance of the physical environment in this study a considerable proportion of the available time is spent on an examination of the surface of the land and the prevailing weather and climate that model this surface and play a part in the activities of Man upon it. On the other hand, the variety of social organization among different human groups has resulted in different modes of use of the available resources, and attention is also paid to these variations.

Pending the establishment of a full Department of Geography in the University, three units only are being offered in 1962. The first of these, Geography I, is designed to be comparable with the first-year units offered in other Australian universities. The emphasis in this unit is upon general world patterns of physical and social phenomena, their variations in space, and their interaction. These patterns are studied in greater detail as they appear in the Australasian region.

Geography II, which forms the second unit in the Geography sub-major, is subject to change of syllabus after 1962, but in this year at least it will be concerned with advanced work in biogeography, a discussion of world economic patterns, and detailed work on the regional and systematic geography of Australia. The other unit, Economic Geography, does not form part of the normal Geography sequence towards a major, and is available only to students who have already completed or are currently engaged in studying Economics II. This unit is especially concerned with the role of physical resources in the economic development of the countries of Asia and the Western Pacific. It will not be offered in 1963. It is anticipated that the full Geography major of three units will be available after 1962.

Students in the Faculty of Arts who intend to advance in Geography would find it advantageous to combine their course with Economics or Economic History, or with units from the History Department.

### FOR THE PASS DEGREE

#### Geography I

Two lectures a week, with tutorials, and three hours of laboratory work, throughout the year. Students will be required to complete all laboratory assignments and essays.

SYLLABUS: (i) *The Earth and Man*.

(a) an introduction to the earth as the habitat of Man, its natural features and their variations region by region;

(b) the distribution of population and the pattern of Man's activities examined in relation to the characteristics of the natural environment, on the one hand, and the culture of the occupying peoples on the other;

(c) a more detailed analysis of these patterns within Australasia.

(ii) *Laboratory*. An introduction to the study of maps, their analysis and their use in the field. A pass in practical work is required in order to qualify for a pass in the course.

(iii) *Field Work*. Students must participate in field excursions, which form an integral part of the course. There will be five full-day excursions during the session.

**DISTINCTION:** With the approval of the Head of Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

#### BOOKS:

##### PRELIMINARY READING

Andrews, J. *Australian Resources and their Utilisation* Parts i and ii.  
University of Sydney

Debenham, F. *The Use of Geography* E.U.P.

Wooldridge, S. W., and East, W. G. *The Spirit and Purpose of Geography*  
Hutchinson

## PRESCRIBED BOOKS

- Strahler, A. N. *Physical Geography* Wiley  
 James, P. E. *A Geography of Man* Ginn  
 Robinson, K. W. *Australia, New Zealand and the Southwest Pacific*  
 London U.P.  
 One of the following atlases: *The University Atlas* *The Oxford Atlas* or  
*The Faber Atlas*

## REFERENCE BOOKS

- Finch, V. C., Trewartha, G. T., Robinson, K. W., and Hammond *The Elements of Geography* McGraw Hill  
 Davis, D. H. *The Earth and Man* Macmillan  
 Russell, R. J., and Kniffen, F. B. *Culture Worlds* Macmillan  
 Debenham, F. *The World is Round* Rathbone Books  
 Gourou, P. *The Tropical World* Longmans  
 Kimble, G. T., and Good *Geography of the North Lands* Wiley  
 U.S. Department of Agriculture *Climate and Man*  
 Kimble, G. T. *The Weather* Penguin  
 Hare, F. K. *The Restless Atmosphere* Hutchinson  
 Critchfield, H. J. *General Climatology* Prentice-Hall  
 Kendrew, W. G. *Climatology* O.U.P.  
 Kendrew, W. G. *Climates of the Continents* O.U.P.  
 Cotton, C. A. *Geomorphology* Whitcombe & Tombs  
 Dury, G. H. *The Face of the Earth* Penguin  
 Thornbury, W. D. *Principles of Geomorphology* Wiley  
 Wooldridge, S. W., and Morgan, R. S. *An Introduction to Geomorphology*  
 Longmans  
 Cumberland, K. B. *Southwest Pacific* Whitcombe & Tombs  
 Cumberland, K. B., and Fox, J. W. *New Zealand, a regional view*  
 Whitcombe & Tombs  
*A Descriptive Atlas of New Zealand* N.Z. Government Printer  
*The Atlas of Australian Resources* Department of National Development  
 C.S.I.R.O. *The Australian Environment*  
 Polunin, N. *Introduction to Plant Geography* Longmans  
 Raisz, E. *General Cartography* McGraw Hill  
 Sylvester, D. *Map and Landscape* Philip

## LABORATORY MATERIAL

A number of topographical map sheets, which will be supplied by the Department, will be used for practical exercises. Students will be expected to supply their own pencils, instruments and paper.

EXAMINATION: Two three-hour papers for all students. Performance in essays and class work will be taken into account at the annual examinations.

**Geography II**

(This syllabus is subject to change after 1962.)

Two two-hour classes a week and three hours laboratory throughout the year. Students will be required to complete all laboratory assignments and essays.

SYLLABUS: (i) *Biogeography and Soil Geography*. An explanatory account of the world distribution of vegetation, animal life and soils. An introduction to the mapping of vegetation distribution and the analysis of plant and soil distribution from aerial photographs and field examination.

(ii) *Economic Geography*. The distribution of world population and economic development, the location of economic activity and the functioning of some major industries.

(iii) *Regional Geography of Australia*.

(iv) *Laboratory*. The practical work will be concerned with the analysis of maps and photographs as illustratory of the other portions of the course, and the construction of maps in the field and draughting room.

(v) *Field Work*. Students must participate in field excursions, which form an integral part of the course. There will be ten days spent in the field during the session, the majority of them during vacations.

DISTINCTION: With the approval of the Head of the Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

#### BOOKS:

##### PRELIMINARY READING

Hancock, W. K. *Australia* Australian Pocket Library

Kellogg, C. E. *The Soils that Support Us* Macmillan

Thatcher, W. S. *Economic Geography* E.U.P.

Osborn, F. *The Limits of the Earth* Faber

##### PRESCRIBED BOOKS

Dansereau, P. M. *Biogeography* Ronald Press

or Palunin, N. *An Introduction to Plant Geography* Longmans

U.S. Department of Agriculture *Soils and Men*

C.S.I.R.O. *The Australian Environment*

Robinson, K. W. *Australia, New Zealand and the Southwest Pacific*

Taylor, T. G. *Australia* Methuen

Hauser, P. M. *Population and World Politics* Free Press, Glencoe

Zimmerman, E. W. *World Resources and Industries* Harper

C.S.I.R.O. *Reports* (various titles)

Wadham, S., Wilson, R. K., and Wood, J. *Land Utilization in Australia*  
Melbourne U.P.

Atlas of Australian Resources

EXAMINATION: Two three-hour papers for all students. Performance in essays and class work will be taken into account at the annual examinations.

### Economic Geography

Economics II must be passed before, or taken concurrently with, this unit.

Two lectures a week, with tutorials, throughout the year.

SYLLABUS: A study of economic development in Southern and Eastern Asia and the Western Pacific. Influence of natural resources, climatic conditions and topography on economic activity; population movements and problems; types of agricultural development; processes of industrialization; transport; international trade; international investment; intergovernmental co-operation in developmental schemes.

**DISTINCTION:** With the approval of the Head of Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

**BOOKS:**

**PRELIMINARY READING**

Spate, O. H. K., and East, W. G. *The Changing Map of Asia* Methuen  
 Cressey, G. B. *Asia's Lands and Peoples* Whittlesey House  
 Spencer, J. E. *Asia East by South* Chapman & Hall

**PRESCRIBED BOOKS**

Ginsburg, N. (ed.) *The Pattern of Asia* Constable  
 Thompson, W. S. *Population and Progress in the Far East* Chicago U.P.  
 Dobby, E. H. G. *Southeast Asia* London U.P.  
 Shabad, T. *China's Changing Map* Methuen  
 Cressey, G. B. *Land of the 500 Millions* Whittlesey House  
 Spate, O. H. K. *India and Pakistan* Methuen  
 Trewartha, G. T. *Japan* McGraw-Hill

**EXAMINATION:** One three-hour paper for pass students, two three-hour papers for distinction students. Performance in essays and class work will be taken into account at the annual examination.

**FOR THE DEGREE WITH HONOURS**

**Geography I**

**Geography II**

**Economic Geography**

Details of the above units are as for the Pass Degree but honours students will be required to take them at distinction level. They will be expected to read more intensively in the same fields and may be required to attend additional tutorials.

**OTHER AVAILABLE UNITS**

Courses for the Degree of Bachelor of Arts may contain units from another Faculty provided they are units approved by the Faculty of Arts, and provided they are taken in accordance with the rules of the Faculty of Arts and the other Faculty concerned.

## *Degree Rules*

### COURSES OF STUDY (DEGREE OF BACHELOR OF ARTS) RULES

1. In these Rules, unless the contrary intention appears, "the Faculty" means the Faculty of Arts.

#### THE DEGREE OF BACHELOR OF ARTS

2. The Degree of Bachelor of Arts may be conferred either as a Pass Degree or as a Degree with Honours.

3. A candidate for the degree shall—

- (a) have matriculated or been admitted to provisional matriculation before he commences the course for the degree; and
- (b) pursue a course of study approved by the Faculty—
  - (i) in the case of a candidate for the pass degree—for at least three years; and
  - (ii) in the case of a candidate for the honours degree—for at least four years,

and pass examinations in accordance with these Rules.

4. Except as the Faculty otherwise determines a candidate shall be deemed to be pursuing the first year of his course until he has received credit towards the degree for at least two units of his course, thereafter to be pursuing the second year of his course until he has received credit towards the degree for at least six units of his course and thereafter to be pursuing the third year of his course until he has received credit towards the degree for ten units of his course and thereafter if he is a candidate for honours, to be pursuing the fourth year of his course.

5. A candidate shall, at the beginning of his course, submit for the approval of the Faculty his proposed course for the degree and shall thereafter also submit any proposed alterations to the course for the approval of the Faculty.

6. A candidate shall not be admitted to examination in any unit of the course unless he has attended such classes and performed such work in the unit as is required by the head of the department responsible for that unit.

#### THE PASS DEGREE

7. (1) Subject to these Rules, a candidate must pass examinations in at least ten units, which shall, except with the approval of the Faculty, be taken in three years.

(2) Except with the approval of the Faculty, a candidate shall take four units in the first year of his course and three units in each of the second and third years of his course.

(3) The course for the degree shall consist of—

- (i) three majors and one single unit;
- (ii) two majors and two sub-majors; or
- (iii) two majors, one sub-major and two single units.

8. A major shall consist of a sequence of three units, and a sub-major shall consist of a sequence of two units, as provided by these Rules.

9. Subject to these Rules, the units and the approved sequences of units are as follows:—

(a) Department of Classics—

<i>Majors</i>	..	..	Greek I (a or b), II and III Latin I, II and III
<i>Sub-Majors</i>	..	..	Greek I (a or b) and II Greek Studies A and B Latin I and II Latin Studies A and B
<i>Single Units</i>	..	..	Classical Civilization, Greek I (a or b), Greek Studies A, Greek Studies B, Latin I, Latin Studies A, Latin Studies B

(b) Department of Economics—

<i>Majors</i>	..	..	Economics I, II and III Statistics I, Public Finance and Economic Geography
<i>Sub-Majors</i>	..	..	Economics I and II

Candidates who have passed in the unit Economic Geography I before 1960 may take it together with the unit Economic Geography offered in 1960 and thereafter.

<i>Single Units</i>	..	..	Economics I and Agricultural Economics
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(c) Department of Economic History—

<i>Major</i>	..	..	Economic History I and II History of Economic Thought
<i>Sub-Major</i>	..	..	Economic History I and II
<i>Mixed Majors</i>	..	..	British History and Economic History I and II Economics I and Economic History I and II
<i>Mixed Sub-Major</i>	..	..	Economics I and Economic History I
<i>Single Units</i>	..	..	Economic History I, History of Economic Thought

(d) Department of English—

<i>Majors</i>	..	..	English Literature I, II and III Early English Literature and Language I, II and III
<i>Sub-Majors</i>	..	..	English Literature I and II English Literature I and III Early English Literature and Language I and II Modern English (comprising English Literature III followed by <i>either</i> Aus- tralian Literature <i>or</i> American Litera- ture)
<i>Mixed Sub-Majors</i>	..	..	As provided in paragraph (f) of this rule

*Single Units* .. .. English Literature I, Early English Literature and Language I, Australian Literature, American Literature

Candidates who take two majors in English shall not take any other unit specified in this paragraph. Modern English shall not be taken until a candidate has reached the second year of the course for the degree.

(e) **Geography—**

*Sub-Major* .. .. Geography I and II  
*Single Units* .. .. Geography I, Economic Geography

(f) **Department of History—**

*Majors* .. .. 1st Year: British History  
 Ancient History or  
 Modern History A.

2nd and

3rd Years: Any two of—

American History  
 Australian History  
 Indian History  
 Modern History B.

*Sub-Majors* .. .. 1st Year: British History  
 Ancient History or  
 Modern History A.

2nd Year: Any one of—

American History  
 Australian History  
 Indian History  
 Modern History B.

A candidate in his second or third year, who is not taking a major in history, may take any two history units as a sub-major.

*Single Units* .. .. A candidate in his first year may take  
 British History, American History or  
 Modern History A.

A candidate in his second or third year, who is not taking a major in history, may take any history unit.

*Mixed Majors* .. .. Any two history units and any one of—  
 Oriental Civilization  
 Economic History I  
 Ethics and Politics  
 History of Philosophy

*Mixed Sub-Majors* .. .. Australian History and Australian  
 Literature  
 American History and American  
 Literature

A mixed major may be taken subject to the approval of the head of the other department concerned. A candidate taking a mixed sub-major shall take Australian History in the second year of his course for the degree and Australian Literature in the third year, or American History in the second year and American Literature in the third year, as the case may be.



**(g) Department of Mathematics—**

<i>Majors</i> .. ..	Pure Mathematics I, II and III Applied Mathematics I, II and III
<i>Sub-Majors</i> .. ..	Pure Mathematics I and II Applied Mathematics I and II
<i>Single Units</i> .. ..	Pure Mathematics I Applied Mathematics I

**(h) Department of Modern Languages—**

<i>Majors</i> .. ..	French Language and Literature I, II and III German Language and Literature I, II and III Russian Language and Literature I, II and III
<i>Sub-Majors</i> .. ..	French Language and Literature I and II French Studies A and B German Language and Literature I and II German Studies A and B Russian Language and Literature I and II Russian Language and Literature II and III (where exemption is granted from Russian Language and Literature I) Russian Studies A and B
<i>Single Units</i> .. ..	French Language and Literature I French Studies A, French Studies B German Language and Literature I German Studies A, German Studies B German IA (see Rule 10 (c)), Russian Language and Literature I Russian Language and Literature II (where exemption is granted from Russian Language and Literature I), Russian Studies A, Russian Studies B

A candidate who passes, to the satisfaction of the Head of the Department of Modern Languages, a test similar to and of the same standard as the annual examination in Russian Language and Literature I, may proceed to Russian Language and Literature II without passing in Russian Language and Literature I. Such a candidate may take Russian Language and Literature II and Russian Language and Literature III as a sub-major or may take Russian Language and Literature II as a single unit.

**(i) School of Oriental Studies—**

<i>Majors</i> .. ..	Bahasa Indonesia and Malay I, II and III Chinese I, II and III Japanese I, II and III Oriental Civilization, Far Eastern Civilization I and II Oriental Civilization, Southeast Asian Civilization I and II
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<i>Sub-Majors</i> ..	..	Bahasa Indonesia and Malay I and II Chinese I and II Japanese I and II Javanese I and II Oriental Civilization and Far Eastern Civilization I Oriental Civilization and Southeast Asian Civilization I
<i>Single Units</i> ..	..	Oriental Civilization, Chinese I, Japanese I, Bahasa Indonesia and Malay I

Candidates who specialise in oriental studies shall take a course comprising two majors and a sub-major in oriental studies and two units other than those in this paragraph.

(j) **Department of Philosophy—**

<i>Majors</i> ..	..	<b>1st Year:</b> <i>Either</i> Problems of Philosophy <i>or</i> Logic and Scientific Method  <b>2nd and 3rd Years:</b> Any two of— Problems of Philosophy Logic and Scientific Method Ethics and Politics History of Philosophy History and Philosophy of Science A unit consisting of certain sections of the honours course approved by the Head of the Department of Philosophy
<i>Mixed Majors</i> ..	..	Statistics I, Statistics II, Logic and Scientific Method (provided that Pure Mathematics I and Economics I and Economics II are also taken) Statistics II, Statistics III, Logic and Scientific Method
<i>Sub-Majors</i> ..	..	<b>1st Year:</b> <i>Either</i> Problems of Philosophy <i>or</i> Logic and Scientific Method  <b>2nd Year:</b> Any one of— Problems of Philosophy Logic and Scientific Method Ethics and Politics History of Philosophy History and Philosophy of Science
<i>Mixed Sub-Majors</i> ..	..	Statistics I, Logic and Scientific Method (provided Economics I and Economics II are also taken) Statistics II, Logic and Scientific Method
<i>Single Units</i> ..	..	Problems of Philosophy Logic and Scientific Method Ethics and Politics History and Philosophy of Science

**(k) Department of Political Science—**

<i>Majors</i> .. .. .	Political Science I, II and III Political Science I, II and International Relations Political Science I, II and Public Administration Political Science I, Public Administration and Political Science II
<i>Sub-Majors</i> .. .. .	Political Science I and II Political Science and Public Administration
<i>Single Unit</i> .. .. .	Political Science I

A candidate who has passed the unit Political Science I as part of a course leading to a degree or diploma may form a major out of any three of the remaining units offered by the Department of Political Science.

**(l) Department of Psychology—**

<i>Major</i> .. .. .	Psychology I, II (Arts) and III (Arts)
<i>Sub-Major</i> .. .. .	Psychology I and II (Arts)
<i>Single Unit</i> .. .. .	Psychology I

**(m) Department of Statistics—**

<i>Majors</i> .. .. .	Statistics I, II and III
<i>Mixed Majors</i> .. .. .	Statistics I, Statistics II, Logic and Scientific Method (provided that Pure Mathematics I and Economics I and Economics II are also taken) Statistics II, Statistics III, Logic and Scientific Method Applied Mathematics I, Statistics II and III
<i>Sub-Majors</i> .. .. .	Statistics I and II Statistics II and III
<i>Mixed Sub-Majors</i> .. .. .	Statistics I, Logic and Scientific Method (provided Economics I and Economics II are also taken) Statistics II, Logic and Scientific Method
<i>Single Units</i> .. .. .	Statistics I, Statistics II

**(n) Science Units—**A candidate may, with the approval of the Faculty of Science, take not more than two science units, in addition to units in mathematics, psychology and statistics, as single units or as a sub-major if the Faculty is satisfied that the time-table of lectures and practical classes permits.

**(o)** In addition, courses for the Bachelor of Arts degree may contain units from another Faculty, being units approved by the Faculty of Arts, and taken, in sequence approved by the Faculty of Arts, in accordance with the Courses of Study Rules of the other Faculty concerned.

## 10. Notwithstanding anything contained in the last preceding rule—

- (a) a candidate may not take both Modern English and the major in English Literature;
- (b) neither Australian Literature nor American Literature may form part of a major in English; and
- (c) German IA may be taken as a single unit but may only be credited towards a degree in which a candidate subsequently completes a major or a sub-major in German.

11. (1) Except with the permission of the Faculty, the candidate shall not take the second year unit of any subject before he has passed in the first year unit of that subject or the third year unit of any subject before he has passed in the second year unit of that subject.

(2) Except with the permission of the Faculty, a candidate shall not proceed to any of the following units without first passing the prescribed prerequisites for that unit:—

<i>Unit</i>	<i>Prerequisite</i>
Agricultural Economics	Economics II is to be taken before or concurrently
Economic Geography ..	Economics II is to be taken before or concurrently
Ethics and Politics ..	<i>Either</i> Problems of Philosophy <i>or</i> Logic and Scientific Method <i>or</i> any two other units prescribed for the Degree of Bachelor of Arts
Far Eastern Civilization I	Chinese I <i>or</i> Japanese I
History and Philosophy of Science .. ..	<i>Either</i> Problems of Philosophy <i>or</i> Logic and Scientific Method <i>or</i> any two other units prescribed for the Degree of Bachelor of Arts
History of Economic Thought .. ..	Economics III <i>or</i> with the permission of the Faculty Economics II is to be taken before or concurrently
History of Philosophy ..	<i>Either</i> Problems of Philosophy <i>or</i> Logic and Scientific Method
International Relations ..	Political Science I and II
Public Administration ..	Political Science I
Public Finance ..	Economics II is to be taken before or concurrently
Southeast Asian Civilization I .. ..	Bahasa Indonesia and Malay I
Statistics II .. ..	Pure Mathematics I
Statistics III .. ..	Pure Mathematics II

12. Except with the approval of the Faculty a candidate shall not be admitted to the degree unless he has completed the ten units of the course for the degree within the period of eight years from the beginning of the academic year in which he passed the first of those units.

13. A candidate who has complied with the preceding provisions of these Rules may be admitted to the Pass Degree of Bachelor of Arts.

## THE DEGREE WITH HONOURS

14. (1) A candidate for the Degree with Honours shall pursue studies for a period of four years and pass the examinations specified by the Head of the Department concerned in an Honours School, or in a Combined honours course, approved by the Faculty.

(2) There shall be the following Honours Schools in the departments specified opposite to those Schools:—

<i>Honours Schools</i>	<i>Department</i>
Classical Studies .. .. .	Department of Classics
Greek Studies .. .. .	Department of Classics
Latin Studies .. .. .	Department of Classics
English .. .. .	Department of English
French .. .. .	Department of Modern Languages
German .. .. .	Department of Modern Languages
Russian .. .. .	Department of Modern Languages
History .. .. .	Department of History
Mathematics .. .. .	Department of Mathematics
Chinese Studies .. .. .	School of Oriental Studies
Japanese Studies .. .. .	School of Oriental Studies
Southeast Asian Studies .. .. .	School of Oriental Studies
Philosophy .. .. .	Department of Philosophy
Political Science .. .. .	Department of Political Science
Psychology .. .. .	Department of Psychology
Economics .. .. .	Department of Economics
Mathematical Statistics .. .. .	Department of Statistics

15. The Faculty may admit a candidate to an honours school on the recommendation of the head of the department responsible for that honours school.

16. A candidate shall take, in the first three years, such courses as are specified for the honours degree by the head of the department responsible for the honours course in the honours school to which the candidate is admitted.

17. (1) A candidate may be admitted to the fourth year of an honours school by the Faculty if he has reached a sufficiently high standard in the first three years of the honours course.

(2) Except with the permission of the Faculty, a candidate shall not be admitted to the fourth year if the Pass Degree of Bachelor of Arts has been conferred upon him at the end of the third year.

(3) The requirements for the fourth year of an honours school shall be such as are determined by the head of the department concerned and approved by the Faculty.

18. Except with the permission of the Faculty, a candidate for the Degree with Honours shall not attempt the fourth year more than once.

19. Except with the approval of the Faculty, a candidate for the Degree with Honours shall—

- (a) complete the first three academic years of the course within five years after the commencement of his course; and
- (b) complete the fourth year of the course within one year after he has completed the requirements of the Pass Degree.

20. A candidate who has complied with the provisions of these Rules relating to the Degree with Honours and has reached a standard satisfactory to the Faculty in the units of his course and in any other work that he is required to perform may be admitted to the Degree of Bachelor of Arts with Honours.

21. The Degree with Honours may be awarded with first class honours; second class honours, division A; second class honours, division B; or third class honours.

22. Where a candidate for the Degree with Honours desires to abandon the course for that degree and to supplicate, or proceed with the course, for the Pass Degree, the Faculty may determine what further work (if any) the candidate is to be required to complete in order to qualify for admission to the Pass Degree.

### COURSES OF STUDY (DEGREE OF MASTER OF ARTS) RULES

1. (1) Subject to this rule, a candidate is not eligible for admission to a course leading to the degree of Master of Arts unless—

(a) he has completed the course for the Degree of Bachelor of Arts with first class honours or second class honours, division A, and has satisfied the head of the appropriate department that he has an adequate knowledge in the field in which he proposes to work for the degree; or

(b) he has—

- (i) completed the course for the Pass Degree of Bachelor of Arts;
- (ii) except where the Faculty otherwise permits, subsequently pursued such further studies for at least two years as the Faculty approves; and
- (iii) at a preliminary examination, satisfied the Faculty of his ability to undertake the studies for the Degree of Master of Arts.

(2) The Faculty may, on such conditions as the Faculty determines, admit as a candidate for the Degree of Master of Arts a graduate in a Faculty other than the Faculty of Arts who satisfies the Faculty of Arts that he has qualifications comparable to those required of a candidate who is a Bachelor of Arts.

2. The studies for the preliminary examination for a candidate who has not completed the course for the Degree of Bachelor of Arts with Honours shall be determined by the Faculty on the advice of the head of the appropriate department, having regard to the candidate's proposed studies.

3. (1) Except with the approval of the Faculty, a candidate for the Degree of Master of Arts shall enrol with the Registrar not later than the end of the third week of the first term in each of the years of his candidature.

(2) At the time of the annual re-enrolment of a candidate the member of the academic staff appointed to be his supervisor shall report to the Dean on the progress of the candidate.

(3) If the Dean of the Faculty, after consultation with the head of the department concerned, considers that a candidate is not making satisfactory progress, he may recommend to the Faculty the cancellation of the candidate's enrolment, and the Faculty may cancel the enrolment of the candidate or take such other action as it thinks fit.

4. A candidate shall pursue the required studies and sit for examinations in one or, with the approval of the Faculty, in two of the following schools:—

Chinese Studies	German	Philosophy
Classics	History	Political Science
Economics	Japanese Studies	Psychology
English	Mathematical	Russian
French	Statistics	Southeast Asian
	Mathematics	Studies

or in such other field of study as the Faculty approves.

5. (1) Subject to the next succeeding sub-rule, a candidate shall pursue his studies for not less than one academic year.

(2) If a candidate is engaged in employment other than at a university, he may be required by the Faculty to pursue his studies for not less than two years.

6. (1) The form of examination in an honours school shall be determined by the head of the appropriate department and may include a thesis.

(2) The subject of a thesis shall be approved by the head of the appropriate department not later than the end of the first term of the year in which the candidate begins the studies for the degree.

7. The Faculty shall, on the recommendation of the head of the appropriate department appoint examiners for the degree, at least one of whom shall be an external examiner.

8. The Faculty may modify or vary the application of these Rules to a candidate for the Degree of Bachelor of Arts or Master of Arts who enrolled for the degree at the Canberra University College before 1960 or who enrolled for the degree of the University of Melbourne.

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# THE FACULTY OF ECONOMICS

## *The Economics Degree*

### THE PASS DEGREE

Any matriculated student is eligible to enrol for the course leading to the Degree of Bachelor of Economics. The course comprises ten units which a full-time student takes over three years.

The ten units of the course must include:

- (i) two majors (sequence of three units) and one sub-major (sequence of two units);
- (ii) the following six compulsory units:—  
Economics I, II and III; Political Science I, II; and Statistics I\*;
- (iii) *one* of the two units: Public Finance, Economic History I.

As the six compulsory units include one major (Economics) and one sub-major (Political Science), the student must choose his four remaining subjects so as to include a second major. The student has the widest possible choice for these four subjects from among the subjects taught both in this Faculty and in other faculties of the University. He may for example wish to take a major in History, Philosophy or Psychology, or a language such as Latin or Russian. His choice of subject is commonly guided by the career in business, public service or teaching for which he is preparing. The Sub-Dean will assist the student to make his choice.

The normal sequence of subjects a full-time student will take in his three years is—

Year.				
<i>First</i>	Economics I	Political Science I	X I	Statistics I
<i>Second</i>	Economics II	Political Science II	X II	
<i>Third</i>	Economics III	Public Finance <i>or</i> Economic History I	X III	

X = optional subject taken as major.

### THE DEGREE WITH HONOURS

The course for the Degree of Bachelor of Economics with Honours is a four-year course (for full-time students). During the first three years, students take the pass course, with additional distinction work in the more important units. In the fourth honours year they specialise in one or the four subjects of the Faculty: Economics, Political Science, Statistics or Economic History. Except with the permission of the Faculty, the fourth year must be taken full-time. Students wishing to enrol for the honours degree course are recommended to consult with the head of the department in which they plan to take

\* Anyone wishing to specialise in Statistics need not take Political Science II.



honours, as well as with the Sub-Dean, on the general structure of their course and on the units in which they should enrol for distinction in the first year. Admission to the fourth year depends on the achievement of a sufficiently high standard, including the attainment of distinction in the more important units, during the first three years of the course.

### HIGHER DEGREES

Graduates wishing to enrol for the Degree of Master of Economics should first consult with the head of the department in which they wish to take the degree.

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## *Details of Units and Book Lists*

### DEPARTMENT OF ECONOMICS

H. W. ARNDT, M.A., B.LITT. OXON.  
*Professor and Head of the Department*

B. D. CAMERON, M.Ec. SYD., PH.D. CANTAB.  
*Professor of Applied Economics*

### INTRODUCTION

Degree courses in economics can be taken either in the Economics or in the Arts Faculty. In the Economics Faculty, economics is studied with political science and statistics, as the core subjects of the degree course. These may be combined with a wide choice of units from among special economics subjects, economic history, accountancy, Arts subjects such as history, philosophy, psychology, mathematics or languages, and even subjects taught in Science or Law. In the Arts Faculty, the economics major can be combined with a similar variety of courses—but political science units are optional. In either Faculty, a three-year course in economics, leading to the Bachelor's degree (B.Ec. or B.A.), provides students with a sound intellectual training in a field which interests many as citizens and at the same time gives professional qualifications for careers in business, the public service, journalism and teaching.

The core of the economics course for the Pass Degree consists of three one-year courses—Economics I, II and III—in which the student studies the main branches of economic theory, the organization of business enterprise and the main problems of economic policy. Throughout, the course is closely related to Australian conditions, but much attention is given to international economics and the economic affairs of nations with whom Australia has important trade relations. In addition to the three central courses, there are one-year courses in Public Finance, History of Economic Thought, Economic Geography and Agricultural Economics.

The honours course in economics is a four-year course. Students are required to take the pass course with some additional honours work in the first three years and a fourth honours year in which they do advanced work in economics.

Graduates who have obtained a Bachelor's degree in economics at any recognized university may enrol at the University for the Master's degree (M.Ec. or M.A.) in economics for which they qualify by writing a research thesis under the supervision of members of the Department. First or second class honours graduates are permitted to proceed immediately to work on the thesis; others are required to take an advanced one or two year qualifying course in the main fields of economic theory.

## FOR THE PASS DEGREE

**Economics I**

## (Income and Monetary Theory)

Two or three lectures a week with tutorials throughout the year.

**SYLLABUS:** The theory of income and employment; principles of money and banking; prices, wages and interest; inflation; balance of payments and foreign exchange; policy for internal balance.

**DISTINCTION:** With the approval of the Head of the Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and to perform additional classwork. They will be expected to read more widely in the same field.

**BOOKS:**

## PRELIMINARY READING

Samuelson, P. A. *Economics* 4th ed., McGraw-Hill (Parts I and II)  
or Stonier and Hague *Textbook of Economic Theory* Longmans (Part II)

## PRESCRIBED BOOKS

Day, A. C. L. *Outline of Monetary Economics* O.U.P.  
Keynes, J. M. *The General Theory of Employment, Interest and Money*  
Macmillan  
Hansen, A. H. *A Guide to Keynes* McGraw-Hill  
Hansen, A. H. *Business Cycles and National Income* Norton  
Arndt, H. W. *The Australian Trading Banks* 2nd ed., Cheshire  
Sayers, R. S. *Modern Banking* 4th ed., O.U.P.  
Downing, R. I. *National Income and Social Accounts* Latest ed., Melb.  
U.P.  
*National Income and Expenditure* Latest issue, Govt. Printer, Canberra  
Wilson, T. *Inflation* Macmillan

**EXAMINATION:** For pass students: one three-hour paper in economic theory, one two-hour paper in Elementary Mathematics for Economics (see syllabus below). A pass in both papers is required.

For distinction students: an additional three-hour paper in economic theory.

Performance in essays and class work will be taken into account in the annual examination.

**Elementary Mathematics for Economics**

This is part of Economics I.

One lecture a week during First Term.

**SYLLABUS:** Elementary algebraic operations, functions, limits and series; the exponential function; logarithms and the logarithmic function. The meaning of differentiation and integration; differentiation and integration of the simple functions; maxima and minima.

**BOOKS:**

## PRELIMINARY READING

Sawyer, W. W. *Mathematician's Delight* Pelican

## PRESCRIBED BOOKS

Silvanus P. Thompson *Calculus Made Easy* Macmillan  
 or *Teach Yourself Calculus* E.U.P.  
*Teach Yourself Algebra* E.U.P.

## REFERENCE BOOKS

Tintner, G. *Mathematics and Statistics for Economists* Rinehart (PARTS I and II)  
 Rutherford, R. S. G. *Basic Mathematics for Students of Economics* U.C.B.

**EXAMINATION:** One two hour paper as part of the annual examination in Economics I. Students may sit for a two-hour paper in this subject at the end of the first term or again towards the close of second term. Students passing either of these papers will not be required to sit for the two-hour paper at the annual examination.

Students who have passed the Mathematics I examination in the New South Wales Leaving Certificate Examination since 1950 may apply in writing for exemption from this examination. (This does *not* apply to a pass in General Mathematics or Mathematics II.) Students who have previously passed a course in Pure Mathematics I at university level also may apply for exemption.

**Economics II**

(Theory of Value and Resource Allocation)

Two lectures a week with tutorials throughout the year.

**SYLLABUS:** Theory of allocation of resources; the operation of the price mechanism; consumer choice and market demand; cost of production and market supply; the theory of the firm; patterns of competition and monopoly; the pricing of factor services; the labour market; the theory of international trade; principles of trade policy.

**DISTINCTION:** With the approval of the Head of the Department, students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

**BOOKS:**

## PRELIMINARY READING

Samuelson, P. A. *Economics* 4th ed., McGraw-Hill (PARTS III and IV)  
 Beacham, A. *Economics of Industrial Organization* 2nd ed., Pitman  
 Davidson, F. G. *The Industrialization of Australia* Melb. U.P.

## PRESCRIBED BOOKS

Stonier and Hague *Textbook of Economic Theory* Longmans  
 Stigler, G. J. *The Theory of Price* Macmillan  
 Robinson, E. A. G. *Monopoly* C.U.P.  
 American Economic Association *Readings in Price Theory* Allen & Unwin  
 Andrews, P. W. S. *Manufacturing Business* Macmillan  
 Scitovsky, T. *Welfare and Competition* Allen & Unwin  
 Rothschild, K. W. *The Theory of Wages* Blackwell

**EXAMINATION:** One three-hour paper for pass students, two three-hour papers for distinction students. Performance in essays and class work will be taken into account in the annual examination.

### Economics III

Two lectures a week with tutorials throughout the year.

**SYLLABUS:** (i) Theories of economic fluctuations and growth. Problems of economic development in underdeveloped countries.

(ii) Advanced international economics: international monetary theory; policies for external balance; problems of international economic policy.

**DISTINCTION:** With the approval of the Head of the Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

#### BOOKS:

##### PRELIMINARY READING

Samuelson, P. A. *Economics* 4th ed., McGraw-Hill (Parts V and VI)  
Lewis, W. A. *The Theory of Economic Growth* Allen & Unwin

##### PRESCRIBED BOOKS

- (i) Meier, G. M., and Baldwin, R. E. *Economic Development: Theory History, Policy* Wiley  
or Higgins, B. *Economic Development* Norton  
Matthews, R. C. O. *The Trade Cycle* Cambridge Economic Handbooks  
or Hicks, J. R. *The Trade Cycle*. O.U.P.  
Lundberg, E. *Business Cycles and Economic Policy* Allen & Unwin  
Rostow, W. W. *The Stages of Economic Growth* C.U.P.  
Nurkse, R. *Problems of Capital Formation in Underdeveloped Countries* Blackwell
- (ii) Kindleberger, C. P. *International Economics* 2nd ed., Irwin  
or Behrman and Schmidt *International Economics* Rinehart  
Meade, J. E. *The Balance of Payments* O.U.P.  
*Trends in International Trade* (Report by a panel of experts) G.A.T.T., 1950-1958  
*Australian Balance of Payments* Latest issue, Commonwealth Statistician  
*Economic Survey of Australia* Latest issue, Govt. Printer, Canberra

**EXAMINATION:** One three-hour paper for pass students, two three-hour papers for distinction students. Performance in essays and class work will be taken into account in the annual examination.

### Agricultural Economics

Economics II must be passed before, or taken concurrently with, this unit.

Two lectures a week with tutorials throughout the year.

**SYLLABUS:** Agricultural production economics; returns to scale; risk and uncertainty, influences of tenure and credit, conservation and research methodology. Agricultural marketing and prices; supply and demand responses, cobweb phenomena, methods and efficiency of marketing. Agriculture in the national economy; agricultural support and stabilization measures; policies affecting trade in agricultural products.

**DISTINCTION:** With the approval of the Head of the Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

**BOOKS:**

## PRESCRIBED BOOKS

- Heady, E. O. *Economics of Agricultural Production and Resource Use* Prentice-Hall  
 Shepherd, G. S. *Agricultural Price Analysis* Iowa State College  
 Schultz, T. W. *The Economics Organization of Agriculture* McGraw-Hill  
 Allen, G. R. *Agricultural Marketing Policies* Blackwell  
 Shepherd, G. S. *Marketing Farm Products* Iowa State College Press  
 Bellerby, J. R. *Agriculture and Industry—Relative Income* Macmillan  
 G.A.T.T. *Trends in International Trade*  
 Williams, D. B. *Economic and Technical Problems of Australia's Rural Industries* Melb., U.P.  
 Shepherd, G. S. *Agricultural Price and Income Policy* Iowa State College Press  
*Report of the Dairy Industry Committee of Enquiry* Govt. Printer, Canberra

**EXAMINATION:** One three-hour paper for pass students, two three-hour papers for distinction students. Performance in essays and class work will be taken into account in the annual examination.

**Economic Geography**

Economics II must be passed before, or taken concurrently with, this unit. Details of this unit are given under the Faculty of Arts (see page 115).

**Public Finance**

Economics II must be passed before, or taken concurrently with, this unit.

Two lectures a week with tutorials throughout the year.

**SYLLABUS:** Public finance and economic policy; fiscal policy in relation to unemployment and inflation; the national debt; budgetary classification; government revenue and theory of taxation; government expenditure with special reference to social services; problems of federal finance.

**DISTINCTION:** With the approval of the Head of the Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

**BOOKS:**

## PRELIMINARY READING

- Prest, A. R. *Public Finance in Theory and Practice* Weidenfeld & Nicolson (Part I)

## PRESCRIBED BOOKS

- Dalton, H. *Principles of Public Finance* 4th ed., Routledge  
 Due, J. F. *Government Finance* Irwin  
 Blum, W. J., and Kalven, H. *The Uneasy Case for Progressive Taxation*. Chicago U.P.

Kaldor, N. *An Expenditure Tax* Allen & Unwin

Musgrave, R. A. *The Theory of Public Finance* McGraw-Hill

Prest, A. R. *Public Finance in Theory and Practice* Weidenfeld & Nicolson

Simons, H. C. *Personal Income Taxation* Chicago U.P.

*Budgetary Structure and Classification of Government Accounts* United Nations

*Government Accounting and Budget Execution* United Nations

*Commonwealth Grants Commission* Latest report, Govt. Printer, Canberra

*The Budget Speech* Govt. Printer, Canberra

Articles and documents as referred to in lectures.

**EXAMINATION:** One three-hour paper for pass students, two three-hour papers for distinction students. Performance in essays and class work will be taken into account in the annual examination.

### FOR THE DEGREE WITH HONOURS

#### Economics I

#### Economics II

#### Economics III

Details of the above units are as for the Pass Degree but honours students will be required to take them at distinction level. They will be expected to read more intensively in the same fields and may be required to attend additional tutorials.

#### Economics IV

This unit constitutes the fourth year course for honours degree students specializing in economics. Admission to the course requires approval by the Faculty.

The unit consists of:

- (i) a course of three hours a week of lectures and seminars in advanced economic theory;
- (ii) two hours of lectures, with tutorials, in one specialist economics unit or other unit approved by the Faculty;
- (iii) an assignment (essay or short thesis) as approved by the Head of the Department.

**SYLLABUS:** The course in advanced economic theory will deal with selected problems in some of the following branches of economic theory: Theory of market forms; welfare economics; production theory; theory of fluctuations and growth; monetary theory; international trade and payments.

**BOOKS:** To be prescribed.

**EXAMINATION:** Papers in advanced economic theory and two three-hour papers in the specialist unit. The assignment will form part of the examination.

#### Public Finance

#### Agricultural Economics

#### History of Economic Thought

Details of the above units are as for the Pass Degree but honours students will be required to take them at distinction level. They will be expected to read more intensively in the same fields and may be required to attend additional tutorials.

**DEPARTMENT OF ECONOMIC HISTORY**

G. S. L. TUCKER B.COM. MELB., PH.D. CANTAB.

*Professor and Head of the Department***INTRODUCTION**

Economic history and history of economic thought can be studied either in the Economics or in the Arts Faculty. In the Economics Faculty, in addition to the six compulsory units in economics, political science and statistics, students (other than those specializing in statistics) must take either Economic History I or Public Finance.

Although economic history is deserving of study in its own right, it may be particularly useful to those whose other interests lie in economics, history, or political theory and organization. Clearly it is an important part of general history; at the same time it helps to give perspective and depth to the social sciences. Thus, for example, it has a role to play in relation to economics, where it throws light on modern forms of economic organization, economic problems and policies by tracing the earlier processes of growth out of which they have evolved. In recent years the line of demarcation between economics and economic history has become increasingly difficult to define. This has followed from the resurgence of interest shown by economists in questions of economic development, which now provide a common field where each discipline can hope to learn from the other.

Similarly, history of economic thought may assist students to gain a better understanding of modern economic theory. It should also be interesting in that the writings of those who have made major contributions to the development of economics are studied in the original, rather than in text-book commentaries, so giving students a worthwhile opportunity to form their own interpretations and opinions.

The courses offered in 1962 by the Department will be the three units, Economic History I and II and History of Economic Thought. Details of syllabuses are set out below.

Graduates who have obtained a Bachelor's degree at any recognized university may be enrolled for the Master's degree (M.Ec. or M.A.) in economic history for which they qualify by writing a research thesis under the supervision of members of the Department. Provided their courses for the degree of Bachelor have included satisfactory work in economic history, first and second class honours graduates will be permitted to proceed immediately to work on the thesis; others will be required to take an advanced one or two-year qualifying course.

**FOR THE PASS DEGREE****Economic History I**

Two lectures a week with tutorials throughout the year.

**SYLLABUS:** (i) the economic development of modern Britain from about the mid-eighteenth century to 1914;



(ii) the economic development of the United States from about the mid-nineteenth century to 1939;

(iii) a survey of international economic conditions since 1919, including a discussion of the experience of the British economy in the inter-war period.

**DISTINCTION:** With the approval of the Head of the Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

**BOOKS:**

**PRELIMINARY READING**

- Ashton, T. S. *The Industrial Revolution 1760-1830* H.U.L.  
 Faulkner, H. U. *Economic History of the United States* Macmillan  
 Youngson Brown, A. J. *The American Economy* Allen & Unwin  
 Clapham, J. H. *A Concise Economic History of Britain from the Earliest Times to 1750* C.U.P.

**PRESCRIBED BOOKS**

- Ashton, T. S. *The Industrial Revolution 1760-1830* H.U.L.  
 Ashton, T. S. *An Economic History of England: The 18th Century* Methuen  
 Ashworth, W. *A Short History of the International Economy 1805-1950* Longmans  
 Ashworth, W. *An Economic History of England 1870-1939* Methuen  
 Court, W. H. B. *A Concise Economic History of Britain from 1750 to Recent Times* C.U.P.  
 John, A. H. *An Economic History of England 1800-1870* Methuen (when available)  
 Lewis, W. A. *Economic Survey 1919-1939* Allen & Unwin  
 U.S. Department of Commerce *Historical Statistics of the United States 1789-1945* Bureau of Census, Washington

One of the following:—

- Faulkner, H. U. *American Economic History* Harper  
 Kirkland, E. C. *A History of American Life* Crofts  
 Williamson, H. F. (ed.) *The Growth of the American Economy* Prentice-Hall  
 Wright, C. W. *Economic History of the United States* McGraw-Hill

**EXAMINATION:** One three-hour paper, with a second paper for distinction.

Performance in essays, tests and class work will be taken into account in the annual examination.

**Economic History II**

Economics I must be passed before this unit is taken.

Two lectures a week with tutorials throughout the year.

**SYLLABUS:** The economic history of Australia and the United States, with special emphasis in each case on the period since about 1850. (In 1963 a new syllabus will be introduced for this unit. The economic history of the United States will no longer be treated, having been transferred to Economic History I, and the greater part of the course in Economic History II will be concerned with the economic development of Australia. It may also include a comparative study of Australia and some other economies.)

**DISTINCTION:** With the approval of the Head of the Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

**BOOKS:**

## PRELIMINARY READING

- Crawford, R. M. *Australia* Hutchinson  
 Faulkner, H. U. *Economic History of the United States* Macmillan  
 Hancock, W. K. *Australia* Benn or Australian Pocket Library  
 Shann, E. *Economic History of Australia* C.U.P. or Georgian House  
 Shaw, A. G. L. *The Story of Australia* Faber  
 Youngston-Brown, A. J. *The American Economy* Allen & Unwin

## PRESCRIBED BOOKS

- Commonwealth Year Book* Recent issue, Govt. Printer, Canberra  
 Fitzpatrick, B. *The British Empire in Australia* Melb. U.P.  
 Shann, E. *Economic History of Australia* C.U.P. or Georgian House  
 U.S. Department of Commerce *Historical Statistics of the United States 1789-1945* Bureau of Census, Washington

One of the following:—

- Faulkner, H. U. *American Economic History* Harper  
 Kirkland, E. C. *A History of American Life* Crofts  
 Williamson, H. F. (ed.) *The Growth of the American Economy* Prentice-Hall  
 Wright, C. W. *Economic History of the United States* McGraw-Hill

A detailed list of reference books will be issued.

**EXAMINATION:** Two three-hour papers.

### History of Economic Thought

Economics III must be passed before or taken concurrently with this unit except that, with permission of the Faculty, it may be taken concurrently with Economics II.

Two lectures a week with tutorials throughout the year.

**SYLLABUS:** This subject is intended as an introduction to the history of economic theory in its relation to policy. While the major stages in the development of economics (in the technical sense) will be studied, the aim throughout will be to treat them against the background of their historical environment. Some particular subjects which may be discussed are:

- (i) "*Mercantilism*": the beginnings of "modern" economic thinking in the seventeenth century.
- (ii) *English "Classical" Theory and Policy*: the concept of the economic system as a whole, as developed during the eighteenth century (Cantillon, the Physiocrats). Adam Smith and economic liberalism. Central questions, c. 1800-1850: the theory of population (Malthus); economic progress and the Corn Laws (Ricardo); colonial development and the export of capital; Say's Law, economic crises and the business cycle.
- (iii) *Economic Nationalism* (List, David Syme).

(iv) "*Socialist*" Thought: radical opinion in Britain after 1815. Marx's theory of capitalist development.

(v) *Economic Theory and Policy in the Second Half of the Nineteenth Century and Later*: the theory of marginal utility. Controversies concerning scope and method; historical economics. Welfare economics at the turn of the century.

**DISTINCTION**: With the approval of the Head of the Department students may take this unit at distinction level. They may be required to attend additional tutorials for this purpose and will be expected to read more widely in the same field.

**BOOKS:**

PRELIMINARY READING

- Heimann, E. *History of Economic Doctrines* O.U.P.  
 Keynes, J. M. *Essays in Biography* New ed., Hart-Davies, 1951  
 Mill, J. S. *Autobiography* World's Classics or any other ed.

PRESCRIBED BOOKS

- Mun, Thomas *England's Treasure by Forraign Trade* Blackwell  
 Smith, Adam *The Wealth of Nations* Everyman or Modern Library or Methuen (University Paperback)  
 Sraffa, P. (ed.) *The Works and Correspondence of David Ricardo* C.U.P. (Vol. I)

No formal book on the history of economic thought is prescribed, but any of the following will be useful:—

- Heimann, E. *History of Economic Doctrines* O.U.P.  
 Roll, E. *A History of Economic Thought* Faber  
 Schumpeter, J. A. *Economic Doctrine and Method* Allen & Unwin

REFERENCE BOOKS

- La Nauze, J. A. *Political Economy in Australia* Melb. U.P.  
 Robbins, L. *The Theory of Economic Policy in English Classical Political Economy* Macmillan  
 Sweezy, P. M. *The Theory of Capitalist Development* Dobson or O.U.P.  
 Tucker, G. S. L. *Progress and Profits in British Economic Thought, 1650-1850* C.U.P.

**EXAMINATION**: One three-hour paper, with a second paper for distinction.

**FOR THE DEGREE WITH HONOURS**

**Economic History I**

**Economic History II**

**History of Economic Thought**

Details of the above units are as for the Pass Degree but honours students will be required to take them at distinction level. They will be expected to read more intensively in the same fields and may be required to attend additional tutorials.

## DEPARTMENT OF HISTORY

C. M. H. CLARK, M.A. MELB.  
*Professor and Head of the Department*

The following units, details of which are given under the Faculty of Arts (see pages 48 to 56) are available as pass or honours units for the Degree of Bachelor of Economics:—

**American History**  
**Australian History**  
**British History**  
**Modern History B**

## DEPARTMENT OF POLITICAL SCIENCE

L. F. CRISP, M.A. OXON AND ADEL.  
*Professor and Head of the Department*

## INTRODUCTION

Political science units may be taken towards either an Arts or an Economics degree. Five units are offered for a Pass Degree: Political Science I (the theory and practice of democratic parliamentary government in Great Britain and Australia); Political Science II (a comparative study of the theory and practice of government in the United States and Russia); Political Science III (a comparative study of Asian government, with special reference to Japan, India and China); Public Administration (the theory and practice of government in its administrative aspects); and International Relations. In each unit additional honours work involving a study of more theoretical issues is provided. A fourth honours year, Political Science IV, is offered for those seeking the Degree with Honours. In addition to the undergraduate courses in political science supervision is provided for preliminary studies and thesis work towards the Master's degree.

*Books for Political Science*

Students should not feel an obligation to purchase all books listed below. Those which should, if possible, be bought are those in the category "Prescribed Books", which students cannot expect to find available on demand in the Library. Even here, two students living and working close to each other might well economize by purchasing half the list each and sharing. Students may also wish and be able to purchase books for "Preliminary Reading" and for "Reference". Some former students possess copies and may be willing to sell. Unselfishly prompt use of the Library (including the National Library) should enable students to have reasonable access to these categories of books.

## FOR THE PASS DEGREE

**Political Science I**

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** A brief introduction to democratic theory, and to the scope and methods of political studies. A study of the general principles of the British and Australian constitutions, of the main political institutions of the two countries, and of public opinion, the party systems and the context of the major issues in contemporary British and Australian political life.

Students are required to submit written work during the course.

**BOOKS:**

PRELIMINARY READING

- Scott, J. D. *Life in Britain* Eyre & Spottiswoode  
 Carr, E. H. *The New Society* Macmillan  
 Lindsay, A. D. *Essentials of Democracy* O.U.P.  
 Greenwood, G. *Australia* Angus & Robertson  
 Sawyer, G. *Australian Government To-day* 7th ed., Melb. U.P.  
 Butler, D. *The Study of Political Behaviour* Hutchinson

PRESCRIBED BOOKS

- Wheare, K. C. *Modern Constitutions* O.U.P.  
 Le May, G. *British Government 1914-1953* Methuen  
 Jennings, W. I. *The Law and the Constitution* 5th ed., London, U.P.  
 Harrison, W. *The Government of Britain* 3rd ed., Hutchinson  
 or Jennings, W. I. *The British Constitution* 4th ed., C.U.P. paperback  
 Crisp, L. F. *The Parliamentary Government of the Commonwealth of Australia* 3rd ed., Longmans  
 Miller, J. D. B. *Australian Government and Politics* 2nd ed., Duckworth  
 Davies, A. F. *Australian Democracy* Longmans

REFERENCE BOOKS

- Jennings, W. I. *Cabinet Government* 3rd ed., C.U.P.  
 Jennings, W. I. *Parliament* 2nd ed., C.U.P.  
 Jennings, W. I. *Party Politics* 3 vols., C.U.P.  
 Laski, H. J. *Parliamentary Government in England* Allen & Unwin  
 Laski, H. J. *Reflections on the Constitution* Manchester U.P.  
 McKenzie, R. T. *British Political Parties* Heinemann  
 Greenwood, G. *The Future of Australian Federalism* Melb. U.P.  
 Overacker, L. *The Australian Party System* Yale U.P.  
 Eggleston, F. W. *Reflections of an Australian Liberal* Cheshire  
 Crisp, L. F. *The Australian Federal Labour Party* Longmans  
 Davis, S. R. (ed.) *The Government of the Australian States* Longmans  
 Detailed reading guides will be provided during the year.

**EXAMINATION:** Two three-hour papers.

**Political Science II**

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** A study of modern government in the U.S.A. and the U.S.S.R., including the general principles of the American and Russian governmental systems and constitutions, the main political institutions of the two countries, the party systems, public opinion and the context of the major issues in contemporary American and Russian political life.

Students are required to submit written work during the course.

**BOOKS:**

## PRELIMINARY READING

- Lerner, M. *America as a Civilization* Cape  
 Deutscher, I. *Stalin* O.U.P.  
 Hazard, J. *The Soviet System of Government* Chicago U.P.

## PRESCRIBED BOOKS

- Heffner, R. D. *A Documentary History of the United States* Mentor paperback  
 Irish, M., and Prothro, J. *The Politics of American Democracy* Prentice-Hall  
 Rossiter, C. *Parties and Politics in America* Cornell U.P. paperback  
 Brogan, D. W. *Introduction to American Politics* Hamish Hamilton  
 Fainsod, M. *How Russia is Ruled* Harvard U.P.  
 Scott, D. J. R. *Russian Political Institutions* Allen & Unwin

## REFERENCE BOOKS

- Gross, B. M. *The Legislative Struggle* McGraw-Hill  
 Wilson, W. *Congressional Government* Meridian  
 Rossiter, C. *The American Presidency* Hamish Hamilton  
 Lubell, S. *The Future of American Politics* Hamish Hamilton  
 Key, V. O. *Politics Parties and Pressure Groups* Crowell  
 Plamenatz, J. *German Marxism and Russian Communism* Longmans  
 Lenin *The State and Revolution*  
 Lenin *What is to be Done?*  
 Kuusinen, O. *Fundamentals of Marxism-Leninism*  
 Meyer, A. G. *Leninism* Harvard U.P.  
 Schapiro, L. *The Communist Party of the Soviet Union* Eyre & Spottiswoode

EXAMINATION: Two three-hour papers.

**Political Science III**

Two lectures and one tutorial class a week throughout the year.

SYLLABUS: A study of modern government in Japan, India and China. The aspects of government to be studied in each country will include the background, the development of institutions, the theory and practice of government, administrative machinery, political parties, and public opinion. Comparisons of the government and politics of the three countries will be made throughout the year.

Students will be required to submit written work throughout the year.

**BOOKS:**

## PRELIMINARY READING

- Wint, G. *Spotlight on Asia* 2nd ed., Penguin  
 Borton, H. J. *Japan's Modern Century* Ronald  
 Yanaga, C. *Japanese People and Politics* Wiley  
 Zinkin, T. *India Changes* Chatto & Windus  
 Panikkar, M. *The Afro-Asian States and Their Problems* Allen & Unwin  
 Wint, G. *Common sense about China* Gollancz paperback

## PRESCRIBED BOOKS

- Kahin, G. (ed.) *Major Governments of Asia* Cornell U.P.  
 Ike, N. *Japanese Politics* Knopf  
 Quigley, H. S., and Turner, J. E. *The New Japan* Minnesota U.P.  
 Brecher, M. *Nehru* O.U.P.  
 Morris Jones, W. H. *Parliament in India* Longmans  
 Tang, P. S. H. *Communist China Today* Thames & Hudson

## REFERENCE BOOKS

Reading guides will be distributed during the year.

EXAMINATION: Two three-hour papers.

**International Relations**

Political Science I and II must be passed before this unit is taken.

Two lectures and one tutorial class a week throughout the year.

SYLLABUS: An introduction to basic concepts in the theory of international relations, followed by a study of (a) problems in European diplomacy since 1919, (b) Asian international relations, especially since 1945, and (c) international organization, especially League of Nations and The United Nations.

Students are required to submit written work during the course.

## BOOKS:

## PRELIMINARY READING

- Carr, E. H. *Nationalism and After* Macmillan  
 Carr, E. H. *The Twenty Years' Crisis* Macmillan  
 Kennan, G. F. *American Diplomacy 1900-1950* Chicago U.P. (also paperback)

## PRESCRIBED BOOKS

There are no prescribed text-books. Detailed reading guides will be provided during the year.

## REFERENCE BOOKS

- Gathorne-Hardy, G. M. *A Short History of International Affairs 1920-1939* 4th ed., O.U.P.  
 or Carr, E. H. *International Relations between the two World Wars* Macmillan  
 Feis, H. *Churchill, Roosevelt, Stalin* Princeton U.P.  
 Wheeler-Bennett, J. W. *Munich, Prologue to Tragedy* Macmillan  
 Beloff, M. *The Foreign Policy of Soviet Russia* O.U.P. (Vols. I and II)  
 Bailey, T. A. *A Diplomatic History of the American People* 6th ed., Crofts  
 Nicholas, H. G. *The United Nations as a Political Institution* O.U.P.

EXAMINATION: Two three-hour papers.

**Public Administration**

Political Science I must be passed before this unit is taken.

Two lectures and one tutorial class a week throughout the year.

SYLLABUS: An introduction to the study of the executive and administrative arms of modern government, with attention to historical and comparative aspects of administration.

(a) The theory of organization and its application to public and private administration and management. The place of bureaucracy in industrial societies.

(b) Characteristics of some ancient systems of administration, with special reference to China.

(c) The administrative systems of Britain and the United States.

(d) Development and organization of public services in Australia, with particular reference to the economic functions of State and Federal governments. Organs of public enterprise and control.

Students are required to submit written work during the course.

#### BOOKS :

##### PRESCRIBED BOOKS

Spann, R. N. (ed.) *Public Administration in Australia* 2nd ed., N.S.W. Government Printer

Waldo, D. *The Study of Public Administration* Doubleday

Merton, R. K. et al. *Reader in Bureaucracy* Free Press

White, Leonard *Introduction to the Study of Public Administration* 5th ed., Macmillan

Mackenzie, W. J., and Grove, J. W. *Central Administration in Britain* Longmans

##### REFERENCE BOOKS

Simon, H. A. *Administrative Behaviour* 2nd ed., Macmillan

van der Sprenkel, O. B. *The Chinese Civil Service* A.N.U.

Miller, J. D. B. *Australian Government and Politics* 2nd ed., Duckworth

Davies, A. F. *Australian Democracy* Longmans

Chester, D. N., and Willson, F. M. *The Organization of British Central Government* Allen & Unwin

Parker, R. S. *Public Service Recruitment in Australia* Melb. U.P.

Marx, F. M. (ed.) *The Elements of Administration* 2nd ed., Prentice-Hall  
*Report of the (Boyer) Committee of Inquiry on Public Service Recruitment* Govt. Printer, Canberra

EXAMINATION : Two three-hour papers.

#### FOR THE DEGREE WITH HONOURS

The units for the Degree with Honours in political science comprise:

##### (a) *In the Arts Faculty*

Political Science I, II, III (Honours)

A second approved major

Four further units, including either an approved major or an approved submajor

Political Science IV (in the honours year)

##### (b) *In the Economics Faculty*

Political Science I, II, III (Honours)

Economics I, II, III

Statistics I; Economic History I or Public Finance

A further two units, to include or complete an approved submajor

Political Science IV (in the honours year)



**(c) In either Faculty**

- (i) The full course as selected shall be approved by the Head of the Department, who will ordinarily require either or both of the units International Relations and Public Administration to be included in the course. When approval of the course is given, the candidate will be informed of the minimum standard which he must achieve in each unit of the course.
- (ii) The Faculty may, at the conclusion of either the first or third full-time year (or its equivalent), upon the advice of the Head of the Department, refuse to allow a candidate to proceed further towards a Degree with Honours.
- (iii) A student who has not undertaken the honours course in his first year but at its conclusion wishes to enter for the Degree with Honours must make special application to the Faculty. If such permission is given, the Head of the Department shall prescribe the further work in which he must be satisfied before the candidate shall be deemed to have completed the first three years of the honours course and be allowed to proceed to the fourth year of the course (i.e. Political Science IV).

A pass student who wishes to take the distinction section of Political Science I may do so with the approval of the Head of the Department. A Pass Degree student shall not be admitted to take the distinction section of a second or third year unit unless he has passed the earlier units in the subject with credit.

**Political Science I (Honours)**

Lectures as for the Pass Degree, together with one honours class each week throughout the year. Honours candidates will undertake written work distinct from that of the pass course.

**SYLLABUS:** (i) as for the Pass Degree; and  
 (ii) a study of the theory of democracy, including a consideration of the meaning and application of such concepts as liberty, rights, equality, authority, obligation, justice, liberalism, conservatism and socialism in the context of modern democratic theory and practice.

**BOOKS:**

- (i) As for the Pass Degree.
- (ii) There are no set text-books. Reading guides will give detailed references to documents, periodicals and books.

The following are important reference books:—

- Lindsay, A. D. *The Modern Democratic State* O.U.P.  
 Mabbott, J. D. *The State and the Citizen* Grey Arrow paperback  
 Lipson, Leslie *The Great Issues of Politics* 2nd ed., Prentice-Hall  
 Spitz, David *Democracy and the Challenge of Power* Columbia  
 Ebenstein, W. *Today's 'Isms'* Prentice-Hall paperback  
 Sabine, G. H. *A History of Political Theory* 3rd ed., Harrap

**EXAMINATIONS:** Two three-hour papers as for the Pass Degree and a third three-hour paper upon the subject matter of the honours work.

**Political Science II (Honours)**

Lectures as for the Pass Degree, together with one honours class each week throughout the year. Honours candidates will undertake written work distinct from that of the pass course.

**SYLLABUS:** (i) as for the Pass Degree; and  
 (ii) a study of American and Marxist political theory. The American section of the work will consider major contributions to the development of the theory of American democracy. The Marxist section will include a study of the relation of Marxist theory to Russian conditions and to the theories of Lenin, Trotsky and Stalin, particularly as they bear on the proletarian revolution, and the dictatorship of the proletariat.

**BOOKS:**

(i) As for the Pass Degree.

(ii) Recommended for reference in relation to the honours work:

Hamilton, A. and others *The Federalist Papers* Blackwell

Padover, S. K. (ed.) *Thomas Jefferson on Democracy* Mentor paperback

Tocqueville, A. de *Democracy in America* Vintage paperback

Hofstadter, R. *The American Political Tradition* Vintage paperback

Wright Mills, C. *The Power Elite* O.U.P. paperback (N.Y.)

Marx, K. *Selected Works* 2 vols.

Trotsky, L. *The Revolution Betrayed* Doubleday

Cole, G. D. H. *The Meaning of Marxism* Gollancz

Marcuse, H. *Soviet Marxism* Routledge

**EXAMINATION:** Two three-hour papers as for the Pass Degree and a third three-hour paper upon the subject-matter of the honours work.

**Political Science III (Honours)**

Lectures as for the Pass Degree, together with one honours class each week throughout the year. Honours candidates will undertake written work distinct from that of the pass course.

**SYLLABUS:** (i) as for the Pass Degree; and  
 (ii) a study, in the context of various Asian countries, of imperialism and its political effects and aftermath; of the political problems of economic development; and of the place of elites and social differentiation in politics.

**BOOKS:**

(i) As for the Pass Degree.

(ii) Recommended for reference in relation to the honours work:

Strachey, J. *The End of Empire* Gollancz

Hoselitz, B. F. (ed.) *The Progress of Underdeveloped Areas* Chicago U.P.

Lewis, W. A. *The Theory of Economic Growth* Allen & Unwin

Zinkin, M. *Development for Free Asia* Chatto & Windus

Myrdal, G. *An International Economy* Harper

**EXAMINATION:** Two three-hour papers as for the Pass Degree and a third three-hour paper upon the subject-matter of the honours work.

### Political Science IV (Honours)

This unit will embrace the fourth (honours) year. Only those students proceeding to the honours degree who have satisfied the Faculty in the first three years of the course will be entitled to enrol for it.

The subject-matter of this unit will include advanced work in the fields of both political institutions and political theory. Candidates will be required to undertake, *inter alia*, extended written work.

### International Relations (Honours)

Lectures as for the Pass Degree, together with one honours class each week throughout the year. Honours candidates will undertake written work distinct from that of the pass course.

SYLLABUS: (i) as for the Pass Degree; and

(ii) theories of sovereignty and imperialism; theoretical issues in international relations since the Second World War; communism as an international force in Europe and Asia.

BOOKS:

(i) As for the Pass Degree.

(ii) Reading guides covering the special honours topics will be supplied.

EXAMINATION: Two three-hour papers as for the Pass Degree and a third three-hour paper upon the subject-matter of the honours work.

### Public Administration (Honours)

Lectures as for the Pass Degree, together with one honours class each week throughout the year. Honours candidates will undertake written work distinct from that of the pass course.

SYLLABUS: (i) as for the Pass Degree; and

(ii) the causes and results of the growth of large-scale administration in the modern state; the problems of bureaucracy in public and private life; theories of state intervention in economic and social affairs.

BOOKS:

(i) As for the Pass Degree.

(ii) Recommended for reference in relation to the honours work:

Merton, R. K. et al. *Reader in Bureaucracy* Free Press

Gerth, H. H. and Mills, C. W. (eds.) *From Max Weber Essays in Sociology* Routledge

Milward, G. E. (ed.) *Large-scale Organization* Macdonald & Evans

Bendix, R. *Work and Authority in Industry* Wiley

Lockwood, D. *The Blackcoated Worker* Allen & Unwin

Wright Mills, C. *The Power Elite* O.U.P. paperback (N.Y.)

Strauss, E. *The Ruling Servants* Allen & Unwin

Myrdal, Gunnar *Economic Theory and Under-developed Regions* Duckworth

Hanson, A. H. *Public Enterprise and Economic Development* Routledge

EXAMINATION: Two three-hour papers as for the Pass Degree and a three-hour paper upon the subject-matter of the honours work.

## DEPARTMENT OF STATISTICS

E. J. HANNAN, B.COM. MELB., PH.D. A.N.U.

*Professor and Head of the Department*

### INTRODUCTION

The statistics course for the Pass Degree is divided into three parts which will ordinarily be taken in successive years.

The first part, Statistics I, studies the basic methods of statistics and their application in the social sciences, and particularly in economics, as well as the sources of Australian economic statistics. It is taken by all students proceeding to the Degree of Bachelor of Economics and is also frequently taken by Arts students specialising in economics.

The two remaining parts, Statistics II and III, provide a study both of the mathematical theory and the practice of statistics. Together with Statistics I these two units provide a major in the Faculty of Economics while Statistics I and Statistics II together form a sub-major. Statistics II and III may also be taken as a sub-major (without taking Statistics I) by Arts students majoring in Pure Mathematics. They can also be combined with mathematics subjects to form a major. In Statistics III two options will be available for the later part of the course. One of these is suitable for students who are interested primarily in the applications of statistics in the social sciences while the other is designed for students whose interests are in natural science.

In Statistics III in 1962 the practical work will include some lectures and practice on a high speed computer.

It is hoped in the future to provide also an introduction to statistical methods for natural sciences, which will parallel Statistics I.

Students proceeding to a Degree with Honours in the Faculties of Economics or Arts may pursue their studies of statistics further in the final honours year unit, Statistics IV. Additional lectures will also be given to students sitting for distinction in Statistics I, II and III.

### FOR THE PASS DEGREE

#### Statistics I

Two lectures and one tutorial a week, with practical work as prescribed.

**SYLLABUS:** Published statistics and their limitations; graphical presentation of data; national income and social accounts; averages and dispersion; demographic measures; index numbers, frequency and probability distributions; the normal distribution; sampling and sample surveys; estimation of population proportion or mean and associated significance tests; the chi-square test; contingency tables; simple regression and correlation; elements of multiple regression; elementary analysis of economic time series.

#### BOOKS:

##### PRELIMINARY READING

Huff, D. *How to lie with Statistics* Norton

## PRESCRIBED BOOKS

Karmel, P. H. *Applied Statistics for Economists* Pitman  
*National Income and Expenditure* Govt. Printer, Canberra

## REFERENCE BOOKS

Downing, R. I. *National Income and Social Accounts* Melb. U.P.  
 Hoel, P. G. *Elementary Statistics* Wiley  
 Mills, F. C. *Statistical Methods* 3rd ed., Henry Holt  
*Demography* Govt. Printer, Canberra  
*Monthly Review of Business Statistics* Govt. Printer, Canberra  
*Labour Report* Govt. Printer, Canberra  
 Additional references will be named during the year.

EXAMINATION: Two three-hour papers. Before admission to the examination, candidates must have satisfactorily completed the practical work.

**Statistics II**

Pure Mathematics I must be passed before this unit is taken.

Three lecture and two practice classes a week.

SYLLABUS: Probability theory; discrete probability distributions; continuous probability distributions; testing hypotheses and decision making; industrial inspection sampling; frequency distributions; elementary sampling theory; theory of sample surveys; control charts; chi-square distributions and chi-square test; significance tests for variance; Student's *t*-distribution; elements of analysis of variance; randomized block experiments and Latin squares; factorial experiments; bivariate probability distributions; correlation and regression; analysis of covariance.

## BOOKS:

## PRESCRIBED BOOKS

Hoel, P. G. *Introduction to Mathematical Statistics* 2nd ed., Wiley  
 Students who intend to proceed to Statistics III may replace Hoel's book by either  
 Brunk, H. D. *An Introduction to Mathematical Statistics* Ginn & Co.  
 or Fraser, D. A. S. *Statistics, an Introduction* Wiley  
 Lindley, D. V., and Miller, J. C. V. *Cambridge Elementary Statistical Tables* C.U.P.

## REFERENCE BOOKS

Moroney, M. J. *Facts from Figures* Penguin  
 Cochran, W. G. *Sampling Techniques* Wiley  
 Fisher, R. A. *Statistical Methods for Research Workers* Oliver & Boyd  
 Fisher, R. A. *The Design of Experiments* Oliver & Boyd  
 Additional references will be named during the year.

EXAMINATION: Two three-hour papers. Before admission to the examination, candidates must have satisfactorily completed the practical work.

**Statistics III**

Pure Mathematics II and Statistics II must be passed before this unit is taken.  
 Three lectures a week with three hours of tutorial or practice classes.

In Third Term there will be two alternative syllabuses. Option A is intended primarily for social scientists, and economists in particular. Option B is intended for students who are interested in applications of statistics in the natural sciences.

**SYLLABUS:** Characteristic functions, continuity theorem, limit theorems of probability; the derivation of the common sampling distributions; the general theory of inference, statistical decisions, theory of estimation, testing hypotheses, sequential methods of analysis, nonparametric methods; regression and correlation; the analysis of time series, stationary processes, elements of the spectral theory, autoregressive processes, regression for time series.

*Option A.* Theory and technique of sample surveys. Multivariate analysis; Hotelling's T, the elements of multivariate analysis of variance, the classification of observations, multiple systems of regression and canonical correlation.

*Option B.* The design and analysis of experiments.

**PRACTICAL WORK:** Part of the work in Third Term in 1962 will consist of some lectures and practice on a high-speed computer.

**BOOKS:**

PRESCRIBED BOOKS

*One of*

Anderson, R. L., and Bancroft, T. A. *Statistical Theory in Research* McGraw Hill

Brunk, H. D. *An Introduction to Mathematical Statistics* Ginn & Co.

Fraser, D. A. S. *Statistics, an Introduction* Wiley

Mood, A. N. *An Introduction to the Theory of Statistics* McGraw-Hill

*Option A.*

Cochran, W. G. *Sampling Techniques* Wiley

*Option B.*

Cochran, W. G., and Cox, G. M. *Experimental Designs* Wiley

REFERENCE BOOKS

Cramer, H. *Mathematical Methods of Statistics* Princeton U.P.

Hogg, R. V. and Craig, A. T. *Introduction to Mathematical Statistics* Macmillan

Kendall, M. G. and Stuart, A. *The Advanced Theory of Statistics* Griffin (Vol. I)

Kendall, M. G. *The Advanced Theory of Statistics* Griffin (Vol. II)

*Option A*

Anderson, T. W. *Introduction to Multivariate Statistical Analysis* Wiley

Koopmans, T. C. and Hood, W. C. *Studies in Econometric Method* Wiley

Hansen, M. H., Hurwitz, W. N. and Madow, W. G. *Sample Survey Methods and Theory* Wiley

*Option B*

Kempthorne, O. *The Design and Analysis of Experiments* Wiley

Scheffe, H. *The Analysis of Variance* Wiley

Additional references will be named during the year.

**EXAMINATION:** Two three-hour papers and a practical test. Before admission to the examination, candidates must have satisfactorily completed the practical work.

## FOR THE DEGREE WITH HONOURS

**Statistics I****Statistics II****Statistics III**

Details of the above units are as for the Pass Degree but honours students will be required to take them at distinction level. They will be expected to read more intensively in the same fields and will be required to attend additional lectures. There will be an additional paper in each year for students attempting distinction.

**Statistics IV (Honours)**

Pure Mathematics III must be passed before this unit is taken.

The unit forms the fourth year course for honours degree students specializing in statistics. Admission to the course requires approval by the Faculty.

The unit consists of a course of approximately four hours of lectures and three hours of seminars or practice classes in advanced statistics each week throughout the year. In addition the student will be required to take one other unit, which will be approved by the Faculty, and shall prepare a short thesis on a subject to be approved by the Head of the Department.

**SYLLABUS:** This unit will deal with advanced aspects of some of the following subjects: Probability theory, especially stochastic processes; the general theory of inference; nonparametric methods; sequential methods of analysis; statistical quality control; the analysis of time series; multivariate analysis, especially the consideration of multiple systems of regression; the theory and technique of sample surveys.

Emphasis will be placed on the applications of the techniques studied to problems of economic interest.

**BOOKS:** Text-books will be prescribed during the course.

**EXAMINATION:** Three three-hour papers on the subjects of the lectures in advanced statistics.

**ACCOUNTANCY****INTRODUCTION**

There is as yet no Department of Accountancy in the School of General Studies, but the Department of Economics provides two one-year units in Accountancy which can be taken as an approved sub-major towards the Degree of Bachelor of Economics. The University hopes to establish a full Department of Accountancy, with special emphasis on government and public authority accounting, in the next few years.

## FOR THE PASS DEGREE

**Accountancy I**

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** The purposes and uses of accounting for business enterprises, non-profit organizations, trusteeships, and governments; an introduction to the theory of accounting; techniques of collection, recording, and verification of accounting data; preparation, presentation, analysis and interpretation of accounting reports.

**BOOKS:**

## PRELIMINARY READING

Goldberg, L. and Hill, V. R. *Elements of Accounting* Melb. U.P.  
Goldberg, L. *An Outline of Accounting* Law Book Co.

## PRESCRIBED BOOKS

Goldberg, L. and Hill, V. R. *Elements of Accounting* Melb. U.P.  
Goldberg, L. *An Outline of Accounting* Law Book Co.  
Fitzgerald, A. A. (ed.) *Accounting Stage I* 3rd ed., Butterworth  
*Accountancy Exercises—First Year* (obtainable from Student Administration section)

## REFERENCE BOOKS

Fitzgerald, A. A. *Analysis and Interpretation of Financial and Operating Statements* 2nd ed., Butterworth  
Irish, R. A. *Auditing* Law Book Co.  
Baxter, W. T. (ed.) *Studies in Accounting* Law Book Co.  
Fitzgerald, A. A. *Current Accounting Trends* Butterworth  
United Nations, Department of Economic Affairs *Government Accounting and Budget Execution, Part I*

**EXAMINATION:** Two three-hour papers.

**Accountancy IIB**

Two lectures and one tutorial class a week throughout the year.

**SYLLABUS:** The theory and practice of management-control accounting for various kinds of business activities (merchandising, manufacturing, service industries); internal control; branch, departmental and other forms of responsibility accounting; retrospective cost accounting; standard costing; budgetary control; absorption costing; variable costing; joint and by-product costing; differential costs; hire-purchase and instalment-purchase accounting; preparation, presentation, analysis and interpretation of accounting reports as an aid to management.

Students who have not, in Accountancy I, completed a practice set involving the setting up and keeping of a complete, though small, set of books under the double entry system in accordance with a specified list of transactions are required to complete practice set No. 2 (*Accountancy Exercises—First Year*) before the end of First Term. Students are advised that a considerable portion of this work should be done before the beginning of the academic year.

**BOOKS:**

## PRELIMINARY READING

Vatter, W. J. *Management Accounting* Prentice-Hall (esp. Chs. 1-6)



## PRESCRIBED BOOKS

- Lang, T., McFarland, W. B. and Schiff, M. *Cost Accounting* Ronald  
 Vatter, W. J. *Managerial Accounting* Prentice-Hall  
 Fitzgerald, A. A. (ed.) *Accounting, Stage I* 3rd ed., Butterworth  
 Edey, H. C. *Business Budgets and Accounts* Hutchison  
 Fitzgerald, A. A. *Analysis and Interpretation of Financial and Operating  
 Statements* Butterworth  
*Accountancy Exercises—Advanced* (obtainable from Student Administra-  
 tion Section)

## REFERENCE BOOKS

- Fitzgerald, A. A. and Schumer, L. A. *Classification in Accounting* Butter-  
 worth  
 Fitzgerald, A. A. *Current Accounting Trends* Butterworth  
 Baxter, W. T. (ed.) *Studies in Accounting* Law Book Co.  
 Thomas, W. E. *Readings in Cost Accounting, Budgeting and Control*  
 South-Western Publishing Co.  
 Fiske, W. P. and Beckett, J. A. *Industrial Accountants' Handbook* Prentice-  
 Hall  
 Solomon, V. L. *Principles and Practice of Mechanised Accounting*  
 Butterworth  
 Gillespie, C. *Accounting Procedure for Standard Costs* Prentice-Hall  
 Clark, J. M. *The Incidence of Overhead Costs* Accountants' Publishing Co.  
 Scott, W. D. *Cost Accounting* Law Book Co.  
 Scott, W. D. *Business Budgeting and Budgetary Control* Law Book Co.  
 Solomons, D. (ed.) *Studies in Costing* Law Book Co.  
 Kohler, E. *A Dictionary for Accountants*—Prentice-Hall  
 Garner, S. P. *Evolution of Cost Accounting to 1925* Alabama U.P.  
 Cadmus, B. and Child, A. J. E. *Internal Control Against Fraud and Waste*  
 Prentice-Hall  
 Sanders, T. H. *Cost Accounting for Control* McGraw-Hill  
 Blocker, J. G. *Cost Accountancy* McGraw-Hill  
 Brown, S. R. *Costs and Prices* Law Book Co.  
 Devine, C. T. *Cost Accounting and Analysis* Macmillan  
 Bell, H. F. *Retail Merchandise Accounting* 2nd ed., Ronald  
 N.A.A. Research Series, Nos. 23 *Direct Costing* and 28 *Presenting  
 Information to Management*  
 N.A.A. Bulletin *How Standard Costs are Being Used Currently*  
 Lamperti, F. A. and Thurston, S. B. *Internal Auditing for Management*  
 Prentice-Hall  
 Matz, A., Curry, O. J. and Frank, G. W. *Cost Accounting* South-Western  
 Publishing Co.  
 Lang, T. (ed.) *Cost Accountants' Handbook* Ronald  
 N.R.G.D.A. *Standard Expense Centre Accounting Manual* National  
 Retail Dry Goods Association

EXAMINATION: Two three-hour papers.

## OTHER AVAILABLE UNITS

Courses for the Degree of Bachelor of Economics may contain units from another Faculty provided they are units approved by the Faculty of Economics, and provided they are taken in accordance with the rules of the Faculty of Economics and the other Faculty concerned.

## *Degree Rules*

### COURSES OF STUDY (DEGREE OF BACHELOR OF ECONOMICS) RULES

1. In these Rules, unless the contrary intention appears, "the Faculty" means the Faculty of Economics.

2. The Degree of Bachelor of Economics may be conferred as a Pass Degree or as a Degree with Honours.

3. (1) A candidate at the beginning of his first year shall secure the approval of the Faculty for the proposed choice and order of the units of his degree course and shall thereafter secure the approval of the Faculty to any proposed alterations of the course originally approved.

(2) The number of units that a candidate may take in any year shall be determined by the Faculty.

4. A candidate shall not be admitted to examination in any unit of the course unless he has attended such classes and performed such work in the appropriate units of the course as is required by the head of the appropriate department.

#### THE PASS DEGREE

5. A candidate for the Pass Degree shall—

- (a) have matriculated or been admitted to provisional matriculation before he commences the course for the degree; and
- (b) pursue his studies for at least three years after admission to the course and pass examinations in accordance with these Rules.

6. (1) The units of the course for the Pass Degree shall be chosen from—

(a) the following units in the Faculty of Economics:—

Economics I	International Relations
Economics II	Political Science I
Economics III	Political Science II
Accountancy I	Political Science III
Accountancy II A	Economic History I
Accountancy II B	Economic History II
Statistics I	Public Finance
Statistics II	Industrial Relations
Statistics III	Agricultural Economics
Public Administration	Economic Geography
History of Economic Thought; and	

(b) such units, being courses provided by another Faculty, as the Faculty approves.

(2) A unit referred to in the last preceding sub-rule shall be taken in accordance with the Courses of Study Rules of the Faculty by which the course is provided.

7. The course for the degree shall consist of ten units and shall include at least two approved majors and one approved sub-major, which shall be taken in approved sequences.

8. (1) Subject to the next succeeding sub-rule, the course for the degree shall include the following units:—

- ✓(a) Economics I, Economics II, Economics III;
- ✓(b) an approved sub-major in Political Science;
- ✓(c) Statistics I;
- ✓(d) Economic History I or Public Finance.

(2) Where a candidate takes a major in Statistics—

- (a) Pure Mathematics II may be substituted for the second unit of a sub-major taken by the candidate in Political Science; and
- (b) the course taken by the candidate for the degree need not include Economic History I or Public Finance.

(3) The following sequences are, subject to the conditions specified in this and the next two succeeding sub-rules, approved sequences for the degree:—

(a) *Majors*—

- (i) Economics I; Economics II; and Economics III;
- (ii) Political Science I; Political Science II; and *one of*—
  - (A) Political Science III;
  - (B) Public Administration; and
  - (C) International Relations;
- (iii) Statistics I, Statistics II, and Statistics III;
- (iv) Statistics I, Public Finance; and *either*
  - (A) Agricultural Economics; *or*
  - (B) History of Economic Thought;
- (v) Economic History I; Economic History II; and *one of*—
  - (A) Australian History;
  - (B) American History; and
  - (C) Modern History (A or B);
- (vi) Economic History I; Economic History II; and History of Economic Thought;
- (vii) Political Science I; Political Science II; and *either*—
  - (A) Modern History (A or B); *or*
  - (B) Australian History;
- (viii) Majors from other Faculties approved by the Faculty of Economics and taken in accordance with the Courses of Study Rules of the Faculty concerned.

(b) *Sub-Majors*—

- (i) Political Science I; and *either*—
    - (A) Political Science II; *or*
    - (B) Public Administration;
  - (ii) Statistics I; and *either*—
    - (A) Statistics II; *or*
    - (B) Public Finance;
  - (iii) Accountancy I; Accountancy II A *or* Accountancy II B;
  - (iv) Economic History I; and Economic History II;
  - (iva) Economic History I; and History of Economic Thought;
  - (v) Economic Geography I; and Economic Geography;
- (This sub-major may be taken only by candidates who have passed Economic Geography I before 1960.)
- (vi) Sub-majors from other Faculties approved by the Faculty of Economics and taken in accordance with the Courses of Study Rules of the Faculty concerned.

(3A) A candidate taking the major Political Science I, Political Science II and Political Science III may take the units Public Administration and International Relations as a sub-major.

(4) Public Administration may be taken only as a second or third year unit after Political Science I has been taken, and International Relations may be taken only as a third year unit after Political Science I and II have been taken.

9. Except with the permission of the Faculty—

(a) a candidate shall not take the second year unit of any subject before he has passed in the first year unit of that subject, or the third year unit of any subject before he has passed in the second year unit of that subject; and

(b) a candidate may only enrol for the following units subject to the following conditions:—

(i) Pure Mathematics I must be passed before Statistics II is taken;

(ii) Pure Mathematics II must be passed before Statistics III is taken;

(iii) Economics II must be passed before, or taken concurrently with, Public Finance, Industrial Relations or Economic Geography;

(iv) Political Science I must be passed before Public Administration is taken.

10. (1) With the permission of the head of the department in which a unit is taken, a candidate may enrol for distinction in a unit, and if his work attains a sufficient standard, he may be awarded a pass with credit, distinction or high distinction in that unit.

(2) A candidate who does not enrol for distinction in a unit may be awarded a pass with credit if his work attains a sufficient standard in that unit.

11. Except with the permission of the Faculty, a candidate must receive credit towards the degree for the ten units that constitute the course for the degree within a period of eight years from the beginning of the academic year in which he passes the first such unit.

12. A candidate who has complied with the preceding provisions of these Rules may be admitted to the Pass Degree of Bachelor of Economics.

#### THE DEGREE WITH HONOURS

13. Unless admitted to advanced status, a candidate for the Degree with Honours shall pursue his studies for at least four years after admission to the course.

14. (1) A candidate for the Degree with Honours may be awarded honours in one of the following honours courses:—

(a) Economics (to be taken in the Department of Economics);

(b) Economic History (to be taken in the Department of Economic History);

(c) Political Science (to be taken in the Department of Political Science);  
or

(d) Statistics (to be taken in the Department of Statistics).

(2) A candidate who has been awarded honours in one course may, with the approval of the Faculty, be awarded honours in a second course after satisfactorily completing one further year's work as specified by the head of the department responsible for his second honours course.

15. The Faculty may admit a candidate to an honours course on the recommendation of the head of the department in which the honours course is proposed to be taken.

16. A candidate for the Degree with Honours shall, in the first three academic years, take such courses as are approved by the Faculty for the Pass Degree together with such additional work as is specified by the head of the department responsible for the honours course to which he is admitted.

17. (1) A candidate may be admitted to the fourth year by the Faculty if he has reached a sufficiently high standard in the first three years of his degree course.

(2) Except with permission of the Faculty, a candidate shall not be admitted to the fourth year if the Pass Degree of Bachelor of Economics has been conferred upon him at the end of his third year.

(3) Except with the permission of the Faculty, a candidate for the Degree with Honours shall take the fourth year as a full-time student.

18. Except with the permission of the Faculty, the honours year must be taken in the year immediately following the year in which the student completes the requirements for the Pass Degree.

19. A candidate in the fourth year shall take the honours course and shall also submit a thesis in the field of his honours work as specified by the head of the department.

20. Except with the permission of the Faculty, a candidate for the Degree with Honours shall not attempt the honours year more than once.

21. The Degree with Honours shall be awarded with first class honours, second class A honours, second class B honours and third class honours.

22. A candidate who has complied with the provisions of these Rules relating to the Degree with Honours and who has reached a standard satisfactory to the Faculty in the units of his course and any other work that he is required to perform may be admitted to the Degree of Bachelor of Economics with Honours.

#### COURSES OF STUDY (DEGREE OF MASTER OF ECONOMICS) RULES

1. In these Rules, unless the contrary intention appears, "the Faculty" means the Faculty of Economics in the School of General Studies.

2. A person is not eligible for admission by the Faculty as a candidate for the Degree of Master of Economics unless—

(a) he is approved as a candidate for the degree by the Head of the Department in which he proposes to enrol; and

(b) he has—

(i) completed the course for the Degree of Bachelor of Economics at the University; or

(ii) completed the course for some other degree at the University, being a degree approved by the Faculty; or

(iii) completed the course for a degree approved by the Faculty at some other university approved by the Faculty.

3. Subject to the next succeeding rule, a candidate for the Degree of Master of Economics shall, for a period of one year, undertake research, or pursue a course of study, approved by the Faculty, under such supervision as the Faculty determines, or both undertake such research and pursue such a course of study.

4. (1) Except with the approval of the Faculty, a candidate who has not completed the course for the Degree of Bachelor of Economics at the University with first class honours or second class honours shall, before undertaking research or pursuing a course of study in accordance with the last preceding rule, satisfy the Faculty, by pursuing a preliminary course of study prescribed by the Faculty and passing a preliminary examination in respect of that course of study, that he is suitably qualified to undertake research or pursue a course of study for the Degree of Master of Economics in accordance with that rule.

(2) The preliminary course of study referred to in the last preceding sub-rule shall be pursued by the candidate—

- (a) subject to the next succeeding paragraph—for a period of one year;  
or
- (b) if the Faculty, on the recommendation of the Head of the Department in which the candidate proposes to enrol, so directs—for a period of two years.

(3) Where a candidate is directed by the Faculty to pursue a preliminary course of study for a period of two years, the Faculty may prescribe as part of that course that the candidate shall enrol for and pass examinations at a specified standard in two of the units prescribed for the Degree of Bachelor of Economics.

5. (1) A candidate shall obtain the approval of the Faculty to the topic of his research or study for the degree, and to his proposed supervisor, at least nine months before he presents the results of his research or study for examination.

(2) A candidate shall submit the results of his research or study for examination in the form of a thesis or, with the approval of the Faculty on the recommendation of the supervisor, in the form of a series of papers or reports.

(3) A candidate shall not submit for examination—

- (a) any work in respect of which he has already qualified for a degree at the University or at any other university; or
- (b) except with the permission of the Faculty, any work he has previously submitted for such a degree.

6. (1) A thesis or the other results of research or study submitted by a candidate shall be examined by at least two examiners, of whom at least one shall be an examiner external to the University.

(2) A candidate may be required to pass an oral examination on the subject of his research or study.

(3) A candidate who complies with the requirements of these Rules and whose research or study is adjudged by the Faculty to be of sufficient merit may be admitted to the Degree of Master of Economics.

#### COURSES OF STUDY (DIPLOMA IN PUBLIC ADMINISTRATION) RULES

NOTE.—This diploma course is available only to students who enrolled for it at Canberra University College in 1960 or in an earlier year.

1. In these Rules, unless the contrary intention appears, "the Faculty" means the Faculty of Economics.

2. A candidate for the Diploma in Public Administration shall—

- (a) have matriculated or been admitted to provisional matriculation before he commences the course for the diploma;
- (b) have enrolled for the diploma at the Canberra University College not later than the last day of September 1960; and
- (c) unless he has been admitted to advanced status, pursue his studies for at least two years after admission to the diploma and pass examinations in accordance with these Rules.

3. A candidate shall not be admitted to examination in any subject of the course unless he has attended such lectures and classes and performed such work as is required by the Departments responsible for the subjects taken by the candidate.

4. A candidate shall pass the annual examinations in the following subjects in the Faculty of Economics:—

- (1) British History or Economic History 1
- (2) Political Science I
- (3) Economics I
- (4) Public Administration
- (5) Economics II
- (6) Political Science II
- (7) Public Administration II
- (8) Public Finance.

5. A candidate who has previously taken a degree in the University may be granted credit towards the Diploma for not more than four of the subjects specified in the last preceding rule if he passed those subjects as part of his degree course.

6. Where a candidate who has previously taken a degree in the University has passed as part of his degree course more than four of the subjects specified in rule 4 of these Rules, he shall, in lieu of subjects so passed in excess of four, pass an equivalent number of subjects chosen from the following subjects:—

- (1) Political Science III
- (2) International Relations
- (3) Economics III
- (4) Constitutional Law I
- (5) Constitutional Law II
- (6) Industrial Relations
- (7) Statistics I.

7. The choice of subjects referred to in the last preceding rule and the order in which all the subjects of a course containing any such subjects may be taken shall be approved by the Faculty.

8. A candidate may enrol for distinction in any subject taken by him for the Diploma and may be awarded any prize subject to any course of Study Rules or Prize Rules that apply to that subject.

9. A candidate who began the course for the Diploma in Public Administration at the Canberra University College before the first day of January, 1960, under the Rules or Regulations of that College with respect to that Diploma, and who has completed the course for the Diploma at the University in accordance with those Rules or Regulations shall, if the Faculty approves, be deemed to have passed the examinations and otherwise complied with the provisions of these Rules.

## THE FACULTY OF LAW

### *The Law Degree*

The Faculty of Law offers courses for the Degrees of Bachelor of Laws (both the Pass Degree and the Degree with Honours) and Master of Laws. The undergraduate course is of four years' duration for full-time students, and correspondingly longer for part-time students. It is necessary for a candidate for the Degree with Honours to pass a Final Honour Examination in addition to complying with the rules for a pass degree.

The course for the primary degree is concerned with fundamental legal principles from the viewpoint of lawyers in Victoria and New South Wales and comprises twenty-one subjects. By studying a small number of additional units for the Degree of Bachelor of Arts, it is possible to undertake a combined Arts/Law course, leading to the acquisition of the two degrees. The combined course would normally take five years to complete full-time.

Classes are small compared with those in the large universities and this circumstance, combined with the advantageous staff-student ratio, allows for a high proportion of seminar and tutorial type classes. There exists a separate Law section within the General Studies Library, and the collection is steadily being increased. Students are required to participate in a Moot Court programme. Students' interests include a Law Society through which various supplementary activities are carried on.

The Council of Legal Education of Victoria has agreed to place the Degree of Bachelor of Laws of the Australian National University on substantially the same footing with regard to admission to practice in Victoria as the similar degree of the University of Melbourne. This means that a Bachelor of Laws of the Australian National University may qualify for admission in Victoria, by serving articles for one year after graduation, and passing in a number of additional subjects which are not included in the curriculum for the degree either at the Australian National University or at the University of Melbourne. The postgraduate subjects may be taken externally from the University of Melbourne. Articles may be served in Victoria or, by arrangement, in any other State or in the Australian Capital Territory. After admission, graduates may also have their names entered on the High Court Register, thus entitling them to practise in the Federal jurisdictions, including the Australian Capital Territory. Negotiations are in progress to obtain recognition of the A.N.U. degree as a professional qualification in New South Wales.

While the Law course is primarily designed as a training for professional qualification and hence has a high content of practical legal subjects, it is not forgotten that the law is a learned profession, and an attempt is made to give students some idea of the broad background and purpose of the law by an admixture of general perspective subjects, such as Jurisprudence and Public International Law. The value of legal training is not confined to those intent on professional practice, but is meeting increasing recognition in other spheres, such as government, the public service and the higher levels of business.



## *Details of Subjects and Book Lists*

### INTRODUCTION

The course for the Pass Degree of Bachelor of Laws comprises twenty-one subjects, one of which is non-legal. A student will usually take four subjects in his first year—Introduction to Legal Method, Legal History, Contracts, and one subject chosen from a group of Arts subjects consisting of Australian History, Logic and Scientific Method, Political Science I, and Problems of Philosophy. He will usually take five subjects in his second year—Torts, Criminal Law, Property I, Constitutional Law I, and Remedies. In the third and fourth years twelve subjects will be taken, these being Property II, Trusts, Mercantile Law, Company Law, Taxation, Succession, Constitutional Law II, Jurisprudence, Conflict of Laws, Evidence, and two subjects chosen from groups of subjects.

The course for the Degree with Honours will be as for the Pass Degree, together with a Final Honour Examination. The award of the honours degree will take into account the standard attained by a student in the whole of the course and in the Final Honour Examination.

Students will be expected to use a considerable part of the summer and spring vacations in studying their subjects. In some subjects, vacation readings are specified in the following details; in others, lists of readings may be posted on the notice boards. Where essays are required to be done during the vacation, particulars will be posted on the notice boards.

Student participation in Law classes is an important adjunct of legal training and classes cannot fulfil their purpose if attendance is inadequate. Accordingly, students are expected to attend classes regularly. Unsatisfactory class work could result in a student being excluded from the examinations.

A student in any subject who has not handed in prescribed written work or who has not attended a satisfactory number of classes may be excluded from the examination in that subject.

The provisions in the details as to the number of classes are included for general guidance only, and may be modified without notice if the necessity arises.

The attention of prospective students is particularly drawn to the Faculty requirement that students should be able to express themselves clearly in English. Clear thinking and clear expression are essential for lawyers and, accordingly, if a first year student displays a poor standard of English, the Faculty may have to consider the advisability of allowing him to proceed with the course.

In the following lists of books efforts have been made to ensure that the references are, wherever appropriate, to the latest edition. It may be that an edition of a prescribed book later than that referred to in the book list has been published since this Handbook went to press. In that event students should obtain the later edition.

In most subjects the Law Faculty issues roneoed copies of cases and materials. Lecturers will advise students as to the availability of these notes during the year.

#### **Australian History**

*See page 50.*

**Company Law**

Fifty classes.

**SYLLABUS:** A study of the various legal forms available for group trading or investment including syndicate, partnership, unit trusts, chartered corporations, statutory corporations, registered companies, building societies and co-operative companies. The emphasis will be on registered companies and students will consider the process of their formation; their capital structures; their powers; the rights, powers and duties of promoters, directors and shareholders; the regulation of company securities; taxation; and winding up. There will also be some treatment of the law relating to unincorporated non-profit associations.

**BOOKS:**

## PRESCRIBED BOOKS

- Gower, L. C. B. *Principles of Modern Company Law* 2nd ed., Stevens, 1957  
*Companies Act, 1936-1958* (N.S.W.)  
 or *Uniform Companies Act* (if in force)  
*Partnership Act, 1892* (N.S.W.)  
*Companies Act 1958* (Vic.)  
 or *Uniform Companies Act* (if in force)  
*Partnership Act 1958* (Vic.)  
*Income Tax and Social Services Contribution Assessment Act 1936-1960*  
 (C'wealth)  
*Companies Ordinance 1954-1961* (A.C.T.)

## REFERENCE BOOKS

- O'Dowd, B. P., and Menzies, D. I. *Victorian Company Law and Practice*  
 Law Book Co., 1940  
 Charlesworth, J. *Company Law* 4th or 6th ed., Stevens  
 Buckley, H. B. *The Companies Acts* 12th ed., 1949, or 13th ed., 1957,  
 Butterworth  
 Pennington, R. *Principles of Company Law* Butterworth, 1959  
 Palmer, F. B. *Company Law* 20th ed., Stevens, 1959  
 Lindley on *Partnership* Latest ed., Sweet & Maxwell  
 Ford, H. A. J. *Unincorporated Non-Profit Associations* Clarendon Press,  
 1959

**EXAMINATION:** One three-hour paper.

**Comparative Law**

Fifty classes.

**SYLLABUS:** Purpose and method of study of comparative law. Roman law and its influence on modern legal systems. Comparative treatment of selected topics in continental law—in particular French and German law—and in the common law.

**BOOKS:**

## PRELIMINARY READING

- Gutteridge, J. *Comparative Law* 2nd ed., C.U.P., 1949  
 Lawson, F. H. *A Common Lawyer Looks at the Civil Law* Michigan  
 U.P., 1955

## REFERENCE BOOKS

- Wolff, H. J. *Roman Law* Norman, 1951  
 Von Mehren, A. T. *The Civil Law System* Prentice-Hall, 1957  
 Amos, M. S. and Walton, F. P. *Introduction to French Law* O.U.P., 1935  
*Manual of German Law* H.M. Stationery Office, 1950, 1952  
 Williams, I. *The Sources of Law in the Swiss Civil Code* O.U.P., 1923  
 Gsovski, V. *Soviet Civil Law* Michigan U.P., 1948  
 Lawson, F. H. *Negligence in the Civil Law* O.U.P., 1950  
 Schlesinger, R. B. *Comparative Law, Cases and Materials* 2nd ed.,  
 Brooklyn Foundation Press, 1958

EXAMINATION: One three-hour paper.

**Conflict of Laws**

Fifty classes.

SYLLABUS: The rules of Conflict of Laws as applied by the courts in Australia.

## BOOKS:

## PRESCRIBED BOOKS

- Cheshire, G. C. *Private International Law* 6th ed., O.U.P., 1961

## REFERENCE BOOKS

- Dicey, A. V. *Conflict of Laws* 7th ed., Stevens, 1958  
 Cook, W. W. *The Logical and Legal Basis of the Conflict of Laws* Harvard  
 U.P., 1942  
 Cowen, Z. *Bilateral Studies American-Australian Private International Law*  
 Oceana Publications, 1957  
 Wolff, M. *Private International Law* 2nd ed., O.U.P., 1950

EXAMINATION: One three-hour paper.

**Constitutional Law I**

Sixty classes.

SYLLABUS: A study of the main principles of the constitutional law of the United Kingdom and the application of those principles in the Australian constitutional system. Examination of the powers, duties and liabilities of administrative authorities.

## BOOKS:

## PRELIMINARY READING

- Jennings, W. I. *The Law and the Constitution* 5th ed., London U.P.

## REFERENCE BOOKS

- Dicey, A. V. *Law of the Constitution* 10th ed., Macmillan (Dicey's own  
 text and E. C. S. Wade's Introduction)  
 Wade, E. C. S. and Phillips, G. G. *Constitutional Law* 6th ed., Longmans  
 Friedmann, W. G. *Principles of Australian Administrative Law* Melb.  
 U.P.  
 Hood Phillips, O. *The Constitutional Law of Great Britain and the Com-  
 monwealth* 2nd ed., Sweet & Maxwell  
 Griffith, J. A. G. and Street, H. *Principles of Administrative Law* 2nd ed.,  
 Pitman

Keir, D. L. and Lawson, F. H. *Cases in Constitutional Law* 4th ed., O.U.P.

de Smith, S. A. *Judicial Review of Administrative Action* Stevens

Wheare, K. C. *The Constitutional Structure of the Commonwealth* O.U.P.

Yardlee, D. C. M. *Introduction to British Constitutional Law* Butterworth

Schwartz, B. *Introduction to American Administrative Law* Pitman

Robson, W. A. *Justice and Administrative Law* 3rd ed., Stevens

Allen, C. K. *Law and Orders* 2nd ed., Stevens

*Report of the Committee on Ministers' Powers* (1932) Cmd. 4060

*Report of the Committee on Administrative Tribunals and Enquiries* (1957)

EXAMINATION: One three-hour paper.

### Constitutional Law II

Sixty classes.

SYLLABUS: A study of the constitution of the Commonwealth of Australia, and its judicial interpretation. The Australian federal structure will be treated from a comparative point of view.

#### BOOKS:

##### PRELIMINARY READING

Sawer, G. *Australian Government To-day* 5th ed., Melb. U.P.

Shaw, A. G. L. *The Story of Australia* Faber & Faber

*Cambridge History of the British Empire* (Vol. 7, pt. I, pp. 395-453)

McMullin, A. *An Introduction to the Australian Federal Parliament*  
Angus & Robertson

##### PRESCRIBED BOOKS

*The Commonwealth of Australia Constitution Act and the Statute of Westminster Adoption Act 1942* Govt. Printer

Sawer, G. *Australian Constitutional Cases* 2nd ed., Law Book Co.

##### REFERENCE BOOKS

Wynes, W. A. *Legislative, Executive and Judicial Powers in Australia* 2nd ed., Law Book Co.

Nicholas, H. S. *The Australian Constitution* 2nd ed., Law Book Co.

*Report of the Royal Commission on the Commonwealth Constitution* (1929) Govt. Printer

*Report from the Joint Committee on Constitutional Review* (1959) Govt. Printer

Else-Mitchell, R. *Essays on the Australian Constitution* 2nd ed., Law Book Co.

Sawer, G. *Federalism: An Australian Jubilee Study* Cheshire

Cowen, Z. *Federal Jurisdiction in Australia* O.U.P.

Sawer, G. *Australian Federal Politics and Law* Melb. U.P.

Odgers, J. R. *Australian Senate Practice* 2nd ed., Govt. Printer

Quick, J. and Garran, R. R. *The Annotated Constitution of the Australian Commonwealth* Angus & Robertson, 1901

Corwin, E. S. *The Constitution of the United States of America: Annotated* 12th ed., U.S. Govt. Printing Office

Douglas, W. O. *We the Judges* Double Day

Varcoe, F. P. *The Distribution of Legislative Power in Canada* Carswell

Laskin, B. *Canadian Constitutional Law* 2nd ed., Carswell

EXAMINATION: One three-hour paper.

**Contracts**

Sixty classes.

**SYLLABUS:** Definition of contract. Formation of contracts (including the principles governing offer and acceptance, consideration, form, capacity of parties, reality of consent, and illegality). Operation of contracts. Interpretation of contracts. Discharge of contracts. Remedies for breach of contract. General principles of the Law of Agency.

**BOOKS:****PRESCRIBED BOOKS**

Cheshire, G. C. and Fifoot, C. H. S. *The Law of Contract* 5th ed., Butterworth, 1960

**REFERENCE BOOKS**

Anson, W. R. *Principles of English Law of Contract* 21st ed., O.U.P., 1959

Grismore, G. C. *Law of Contracts* Bobbs-Merrill, 1947

Wilson, J. F. *Law of Contract* Sweet & Maxwell, 1957

Stoljar, S. *Law of Agency* Sweet & Maxwell, 1961

**EXAMINATION:** One three-hour paper.

**Criminal Law**

Sixty-five classes.

**SYLLABUS:** A study of the general principles of the criminal law as developed in England and now applied in New South Wales, Victoria and the Australian Capital Territory. A study of the procedure governing criminal proceedings in New South Wales, Victoria and the Australian Capital Territory.

**BOOKS:****PRELIMINARY READING**

Kenny, C. S. *Outlines of Criminal Law* 17th ed., C.U.P., 1958 (Books I and II)

**PRESCRIBED BOOKS**

Kenny, C. S. *Outlines of Criminal Law* 17th ed., C.U.P., 1958 (Books I and II)

Turner, J. W. C. and Armitage, A. L. *Cases on Criminal Law* C.U.P., 1953

*Crimes Act, 1900* (N.S.W.)

*Criminal Appeal Act, 1912* (N.S.W.)

*Justices Act, 1902-1958* (N.S.W.)

*Crimes Act 1914-1960* (C'wealth)

**REFERENCE BOOKS**

Williams, G. L. *Criminal Law* Stevens, 1953

Barry, J. V., Paton, G. W. and Sawyer, G. *Introduction to the Criminal Law in Australia* Macmillan, 1948

Hamilton, H. M., and Addison, G. C. *Criminal Law and Procedure* 6th ed., Law Book Co.

**EXAMINATION:** One three-hour paper.

**Domestic Relations**

Fifty classes.

**SYLLABUS:** (i) *Marriage*: formation and annulment of marriage; the place of the family in society; the changing relationship of husband and wife.

(ii) *The Broken Marriage*: forms of matrimonial relief; the matrimonial offences; the bars to relief; alimony; variation of settlements; custody of children; separation agreements; maintenance of deserted wives and children; action for damages.

(iii) *Parent and Child*: legitimacy, legitimation, adoption, guardianship.

(iv) *Procedure in Matrimonial Causes*: a study of the basic procedure peculiar to matrimonial causes.

**BOOKS:**

## PRESCRIBED BOOKS

Bromley, P. M. *Family Law* Butterworth, 1957  
*Matrimonial Causes Act 1959* (C'wealth)  
*Matrimonial Causes Rules 1961* (C'wealth)

## REFERENCE BOOKS

Joske, P. E. *Laws of Marriage and Divorce in Australia* 4th ed., Butterworth, 1961  
 Jackson, J. *Formation and Annulment of Marriage* Sweet & Maxwell, 1951  
 Litherland, F. C. *Maintenance of Deserted Wives and Children* 2nd ed., Law Book Co.

**EXAMINATION:** One three-hour paper, and one practical problem on procedure during the year.

**Evidence**

Seventy-five classes.

**SYLLABUS:** General principles of the Law of Evidence; the collection and presentation of evidentiary material. An advanced study of civil procedure at common law in the courts of New South Wales and civil procedure in the courts of Victoria and the Commonwealth. A study of common law pleading in the Supreme Court of New South Wales.

**BOOKS:**

## PRESCRIBED BOOKS

Cockle, E. *Leading Cases and Statutes on the Law of Evidence* 9th ed., Sweet & Maxwell, 1957  
 Noakes, G. D. *An Introduction to Evidence* 2nd ed., Sweet & Maxwell, 1956  
 or Cross, R. *Evidence* Butterworth, 1959  
*Common Law Procedure Act, 1899-1958* (N.S.W.)  
*District Courts Act, 1912-1958* (N.S.W.)  
*Small Debts Recovery Act, 1912-1957* (N.S.W.)  
*Rules of the District Court*  
*Rules of the Supreme Court of New South Wales*  
*County Court Act 1958* (Vic.)  
*Justices Act 1958* (Vic.)  
*Supreme Court Act 1958* (Vic.)

*Rules of the County Court*  
*Rules of the Supreme Court of Victoria*  
*Judiciary Act 1903-1959 (C'wealth)*  
*Rules of the High Court*  
*Australian Capital Territory Supreme Court Act 1955-1959 (C'wealth)*  
*Rules of the Australian Capital Territory Supreme Court*  
*Evidence Act 1958 (Vic.)*  
*Evidence Act, 1898-1954 (N.S.W.)*  
*Evidence Act 1905-1956 (C'wealth)*  
*State and Territorial Laws and Records Recognition Act 1901-1950*  
 (C'wealth)

## REFERENCE BOOKS

Phipson, S. L. *Law of Evidence* 9th or later ed., Eweet & Maxwell  
 Stephen, J. F. *Law of Evidence* N.S.W., ed., Macmillan  
 Walker, R. G. *Supreme Court Practice* 4th ed., Law Book Co.  
 Jacobs, P. A. *County Court Practice* Law Book Co.  
 Stephen, H. J. *Principles of Pleading in Civil Actions* Stevens, Sweet &  
 Maxwell, 1860  
 Bullen, E., and Leake, S. M. *Precedents of Pleading* 3rd ed., Stevens, 1868  
 Bullen, E., and Leake, S. M. *Precedents of Pleading* 11th ed., Sweet &  
 Maxwell, 1959  
 Odgers, W. B. *Principles of Pleading and Practice* 16th ed., Stevens, 1957

EXAMINATION: One three-hour paper

**Industrial Law**

Fifty classes.

**SYLLABUS:** A study of the law relating to the master and servant relationship in industry, trade unions, industrial conciliation and arbitration, protection of the employee against injury and workers compensation.

**BOOKS:**

## REFERENCE BOOKS

Cooper, Mansfield. *Outlines of Industrial Law* 3rd ed., Butterworth, 1958  
 Gayler, J. L. *Industrial Law* English U.P., 1955  
 Citrine, N. A. *Trade Union Law* Stevens, 1950  
 Portus, L. J. *The Development of Australian Trade Union Law* Melb. U.P., 1958  
 Anderson, K., and Beach, B. W. *Workers Compensation—Victoria* Butterworth, 1957  
 Nolan, J. R., and Cohen, K. A. *Industrial Laws, Annotated* 2nd ed. by C. P. Mills, Butterworth, 1957  
 Sykes, E. I. *Strike Law in Australia* Law Book Co.

EXAMINATION: One three-hour paper.

**Introduction to Legal Method**

Fifty classes.

**SYLLABUS:** The course provides a general introduction to the study of law. It includes the following: An elementary analysis of the legal system; sources of law, custom, precedent, statutes, subordinate legislation; judicial method; statutory interpretation.

**BOOKS:**

## PRELIMINARY READING

- Williams, G. L. *Learning the Law* Stevens  
 Jenks, E. *The Book of English Law* Murray, 1953.  
 Hanbury, H. G. *English Courts of Law* Oxford H.U.L.  
 Lawson, F. H. *Rational Strength of English Law* Stevens  
 Baalman, J. *Outline of Law in Australia* Law Book Co.

## PRESCRIBED BOOKS

- Williams, G. L. *Learning the Law* Stevens  
 Osborn *Concise Law Dictionary*  
*Acts Interpretation Act 1901-1957* (C'wealth)  
 or *Interpretation Act, 1897* (N.S.W.)  
 or *Acts Interpretation Act 1958* (Vic.)

## REFERENCE BOOKS

- Allen, C. K. *Law in the Making* O.U.P., 1958  
 Austin, J. *Lectures on Jurisprudence* Methuen  
 Hohfeld, W. N. *Fundamental Legal Conceptions* O.U.P., 1923  
 Dias, R. W. M., and Hughes, G. B. J. *Jurisprudence* Butterworth, 1957  
 Paton, G. W. *A Text-book of Jurisprudence* Oxford, Clarendon Press

**EXAMINATION:** One three-hour paper.

**Jurisprudence**

Fifty classes.

**SYLLABUS:** The schools of jurisprudence; the nature and definition of law; law and the State; law and justice; the ends of law. Fundamental juristic conceptions. An analysis of legal conceptions and a functional survey of their operation; the theory of legal method.

The classes will be in the nature of a supplement to, and a criticism of, the prescribed books and materials. A knowledge of these books will be presumed. Students are required to submit an essay at the beginning of the first term. Essay subjects will be announced before the end of third term in the previous academic year.

**BOOKS:**

## PRELIMINARY READING

- Salmond, J. W. *Jurisprudence* 11th ed., Sweet & Maxwell, 1957  
 Hunter, W. A. *Introduction to Roman Law* 9th ed., Sweet & Maxwell, 1934

## PRESCRIBED BOOKS

- Paton, G. W. *A Textbook of Jurisprudence* 2nd ed., O.U.P., 1951  
 or Friedmann, W. G. *Legal Theory* 4th ed., Stevens, 1960  
 or Allen, C.K. *Law in the Making* 6th ed., O.U.P., 1958



## REFERENCE BOOKS

- Stone, J. *The Province and Function of Law* Assocn. General Publications Pty. Ltd., 1946
- Dias, R. N. M., and Hughes, G. B. J. *Jurisprudence* Butterworth, 1957
- Holmes, O. W. *The Common Law* Little, Brown, 1938
- Maine, H. S. *Ancient Law* Murray, 1916
- Modern Theories of Law* London School of Economics, 1933
- Jones, J. W. *Historical Introduction to the Theory of Law* O.U.P., 1940
- Austin, J. *The Province of Jurisprudence Determined and the Uses of the Study of Jurisprudence* (with an Introduction by H. L. A. Hart) Weidenfeld & Nicolson, London, 1954
- Austin, J. *Jurisprudence* 2 vols., ed. Campbell, Murray, 1873
- Pound, R. *Interpretations of Legal History* C.U.P., 1930
- Patterson, E. W. *Jurisprudence: Men and Idea of the Law* Foundation Press, 1953
- Cairns, H. *Legal Philosophy—from Plato to Hegel* Johns Hopkins Press, 1949
- Cohen, M. R., and Cohen, F. S. *Readings in Jurisprudence and Legal Philosophy* Prentice-Hall, 1951
- Kelsen, H. *General Theory of Law and State* Harvard U.P., 1949

EXAMINATION: One three-hour paper.

## Legal History

Fifty classes.

SYLLABUS: A study of the historical background of legal institutions of New South Wales, Victoria and the Commonwealth of Australia. This will involve a study of the development of English judicial institutions from the Norman Conquest to the present day and an historical survey of adjective law. The second half of the course will consist of an introduction to modern civil procedure. This will include an introductory study of common law and equitable procedure (including common law pleading) in New South Wales as well as a study of the Judicature Act system.

## BOOKS:

## PRELIMINARY READING

Windeyer, W. J. V. *Lectures on Legal History* 2nd or 3rd ed., Law Book Co.

## PRESCRIBED BOOKS

- Plucknett, T. F. T. *Concise History of the Common Law* 4th or 5th ed., Butterworth
- or Potter, H. *Historical Introduction to English Law* 2nd or 3rd ed., Sweet & Maxwell
- Maitland, F. W. *Forms of Action at Common Law* C.U.P., 1936

## REFERENCE BOOKS

- The Annual Practice*
- Common Law Procedure Act, 1899-1958* (N.S.W.)
- District Courts Act, 1912-1958* (N.S.W.)
- Justices Act, 1902-1958* (N.S.W.)
- Rules of the Supreme Court of New South Wales*

- Rules of the District Court*  
*Supreme Court Act 1958 (Vic.)*  
*County Court Act 1958 (Vic.)*  
*Rules of the Supreme Court of Victoria*  
*Rules of the County Court*  
*Judiciary Act 1903-1960 (C'wealth)*  
*Rules of the High Court*  
*Australian Capital Territory Supreme Court Act 1955-1959 (C'wealth)*  
*Rules of the Australian Capital Territory Supreme Court*  
 Walker, R. G. *Supreme Court Practice* 4th ed., Law Book Co.  
 Jacobs, P. A. and Wardle, H. N. *County Court Practice* Law Book Co.  
 Holdsworth, W. S. *History of English Law* Methuen (Vols. I-XIII)  
 Holdsworth, W. S. *Essays in Law and History* O.U.P., 1946  
 Holdsworth, W. S. *Historical Introduction to the Land Law* O.U.P., 1946  
 Jenks, E. *Short History of English Law* Methuen, 1928  
 Levy-Ullmann, H. *The English Legal Tradition* Butterworth, 1939  
 Plucknett, T. F. T. *Legislation of Edward I* O.U.P., 1949  
 Pollock, F. and Maitland, F. W. *History of English Law* 2nd ed., C.U.P.  
 Radcliffe, G. R. V. and Cross, R. *The English Legal System* 1st or 2nd ed., Butterworth  
 Sutton, R. *Personal Actions at Common Law* Butterworth, 1939  
 Webb, T. P. *Imperial Law* O.P.  
 Maitland, F. W. *Constitutional History of England* C.U.P.  
 Fifoot, C. H. S. *History and Sources of the Common Law* Stevens, 1949  
 Adams, G. B. and Stephens *Select Documents of English Constitutional History* Macmillan, 1930  
 Kiralfy, A. K. *A Source Book of English Law*  
 Selden Society publications, as referred to in lectures  
 Stephenson, C. and Marcham, F. G. *Sources of English Constitutional History* Harrap

EXAMINATION: One three-hour paper.

### Mercantile Law

Fifty classes.

SYLLABUS: The course will include a study of the law of New South Wales, Victoria and the Australian Capital Territory relating to sale of goods; hire purchase agreements; negotiable instruments; insurance; carriage by land and sea; chattel securities; bankruptcy.

#### BOOKS:

##### REFERENCE BOOKS

- Millard, G. W., and Helmore, B. A. *Personal Property and Mercantile Law in New South Wales* Law Book Co.  
 William, J. *Principles of the Law of Personal Property* 18th ed., Sweet & Maxwell, 1926  
 Charlesworth, J. *Principles of Mercantile Law* 8th ed., Stevens, 1955  
 Dean, A. *Hire Purchase Law in Australia* 2nd ed., Law Book Co., 1938  
 Else-Mitchell, R., and Parsons, R. *Hire Purchase Law* 3rd ed., Law Book Co., 1960

- Byles, J. B. *Bills of Exchange* 21st ed., Sweet & Maxwell, 1955  
 Riley, B. B. *The Law Relating to Bills of Exchange in Australia* Law Book Co., 1953  
 Coppel, E. G. *Law Relating to Bills of Sale* Law Book Co., 1935  
 McDonald, E. F., Henry and Meek *Australian Bankruptcy Law and Practice* 3rd ed., Law Book Co., 1953  
 Chalmers, M. *Sale of Goods* Butterworth, 13th ed., 1957  
 Atiyah, P. S. *Sale of Goods* Pitman, 1957  
 Paton, G. *Bailment in the Common Law* Stevens, 1952  
 Benjamin, J. *The Law of Sale of Personal Property* 8th ed., Sweet & Maxwell, 1950  
 MacGillivray, E. J. *Insurance Law* 4th ed., Sweet & Maxwell, 1953  
*Common Carriers Act, 1902* (N.S.W.)  
*Factors (Mercantile Agents) Act, 1923* (N.S.W.)  
*Hire Purchase Agreements Act, 1960* (N.S.W.)  
*Sale of Goods Act, 1923-1953* (N.S.W.)  
*Usury, Bills of Lading and Written Memoranda Act, 1902-1934* (N.S.W.)  
*Carriers and Innkeepers Act 1958* (Vic.)  
*Goods Act 1958* (Vic.)  
*Hire Purchase Act 1959* (Vic.)  
*Instruments Act 1958* (Vic.)  
*Bankruptcy Act 1924-1959* (C'wealth)  
*Bills of Exchange Act 1909-1936* (C'wealth)  
*Life Insurance Act 1945-1953* (C'wealth)  
*Marine Insurance Act 1909* (C'wealth)  
*Sea Carriage of Goods Act 1924* (C'wealth)

EXAMINATION: One three-hour paper.

### Political Science I

See page 139.

### Problems of Philosophy

See page 96.

### Property I

Sixty classes.

SYLLABUS: The course is concerned primarily with the basic principles and rules underlying the law of property, both real and personal, with particular emphasis on their historical development. It includes a study of legal and equitable estates and interests in land, considered with regard to their nature, commencement, duration, extinction and enjoyment, and includes a survey of the general law of landlord and tenant and an introduction to the study of the transfer of real property. It also includes a study of legal principles governing non-commercial dealings with personal property.

#### BOOKS:

##### PRELIMINARY READING

- Holdsworth, W. S. *Historical Introduction to the Land Law* O.U.P., 1927  
 Hargreaves, A. D. *Introduction to the Principles of Land Law* 3rd ed., rev. 1956, Sweet & Maxwell

## PRESCRIBED BOOKS

- Harrison, W. N. *Cases on Land Law* Law Book Co., 1958  
 and either  
 Cheshire, G. C. *Modern Real Property* 7th ed., 1954 or 8th ed., 1958,  
 Butterworth  
 or Megarry, R. E., and Wade, H. W. R. *The Law of Real Property* 1st ed.,  
 1957 or 2nd ed., 1959, Stevens  
*Conveyancing Act*, 1919-1954 (N.S.W.)  
*Real Property Act*, 1900-1956 (N.S.W.)  
*Landlord and Tenant Act*, 1899-1958 (N.S.W.)  
*Registration of Deeds Act*, 1897 (N.S.W.)  
*Limitation of Actions Act* 1958 (Vic.)  
*Property Law Act* 1958 (Vic.)  
*Transfer of Land Act* 1958 (Vic.)  
*Landlord and Tenant Act* 1958 (Vic.)

## REFERENCE BOOKS

- Helmores, B. A. *Law of Real Property in New South Wales* Law Book  
 Co., 1961  
 Williams, J. *Principles of the Law of Real Property* 23rd or earlier ed.,  
 Sweet & Maxwell  
 Challis, H. W. *Real Property* Butterworth  
 Paton, G. W. *Bailment in the Common Law* Sweet & Maxwell, 1952  
 Millard, G. W., and Helmore, B.A. *Personal Property and Mercantile Law*  
*in New South Wales* 6th ed., 1957, Law Book Co.  
 Maitland, F. W. *Forms of Action at Common Law* C.U.P.  
 Pollock, F., and Maitland, F. W. *History of English Law* C.U.P.  
 Holdsworth, W. S. *History of English Law* Methuen

EXAMINATION: One three-hour paper.

**Property II**

Fifty classes.

SYLLABUS: A continuation of the principles discussed in Property I at an advanced level, covering particularly future interests, settlements and trusts for sale, mortgages, contracts for the sale of land, the investigation of title, transfers, the construction of deeds, and public-law aspects of property. The course will include a study of general law and Torrens system conveyancing both in New South Wales and in Victoria.

## BOOKS:

## PRELIMINARY READING

- Lawson, F. H. *Introduction to the Law of Property* O.U.P. 1958

## PRESCRIBED BOOKS

- Harrison, W. N. *Cases on Land Law* Law Book Co., 1958  
 and either  
 Cheshire, G. C. *Modern Real Property* 7th ed., 1954, or 8th ed., 1958  
 Butterworth  
 or Megarry, R. E. and Wade, H. W. R. *The Law of Real Property* 1st ed.,  
 1957 or 2nd ed., 1959 Stevens  
 Odgers, C. E. *Construction of Deeds and Statutes* 3rd ed. 1952 or 4th ed.  
 1960 Sweet & Maxwell

*Conveyancing Act, 1919-1954* (N.S.W.)  
*Real Property Act, 1900-1956* (N.S.W.)  
*Registration of Deeds Act, 1897* (N.S.W.)  
*Property Law Act 1958* (Vic.)  
*Settled Land Act 1958* (Vic.)  
*Transfer of Land Act 1958* (Vic.)

## REFERENCE BOOKS

Helmore, B. A. *Law of Real Property in New South Wales* Law Book Co., 1961  
 Fox, P. M. *Transfer of Land Act* Law Book Co., 1959  
 Voumard, L. *The Sale of Land* Law Book Co., 1939  
 Baalman, J. *The Torrens System in New South Wales* Law Book Co., 1951  
 Wiseman, H. *Transfer of Land* Law Book Co., 2nd ed., 1931  
 Hogg, J. E. *Deeds Registration in Australasia* Stevens, 1908  
 Evatt, H. V., and Beckenham, J. G. *Conveyancing Precedents* 3rd ed., Law Book Co.  
 Stuckey, G. P., and Needham, G. D. *The Conveyancing Acts* Law Book Co., 1953  
 Piesse, E. L. *The Elements of Drafting* Law Book Co. (any edition)  
 Vance, E. S. *Examination of Title* Law Book Co., 1941  
 Baalman, J., and Wells, T. le M. *Land Titles Office Practice* 3rd ed., 1952 Law Book Co.  
 Ruoff, T. B. F. *An Englishman Looks at the Torrens System* Law Book Co., 1957  
 Australian Encyclopaedia of Forms and Precedents Butterworth  
 George, E. F. *Sale of Land* Sweet & Maxwell, 1952  
 Walford, E. O. *Contracts and Conditions of Sale of Land* 2nd ed., 1957 Sweet & Maxwell  
 Williams, W. J. *Title* 2nd ed., 1957 Butterworth

EXAMINATION: One three-hour paper. Students may be required to demonstrate their proficiency in drafting to the satisfaction of the lecturer before they can sit for the annual examination.

**Public International Law**

Fifty classes.

SYLLABUS: The nature, sources and history of public international law; the main general principles of public international law; settlement of disputes, supra-national and international organizations, especially the United Nations.

## BOOKS:

## PRELIMINARY READING

Brierly, J. L. *The Law of Nations* 5th ed., O.U.P.  
 Starke, J. G. *Introduction to International Law* 4th ed., Butterworth

## PRESCRIBED BOOKS

Green, L. C. *International Law through the Cases* 2nd ed., Stevens

## REFERENCE BOOKS

Oppenheim, F. L. *International Law* 8th ed., by Lauterpacht, Longmans  
 Schwarzenberger, C. *A Manual of International Law* 4th ed., 2 vols., Stevens  
 Briggs, H. W. *The Law of Nations* 2nd ed., Appleton

- St. Korowicz, M. *An Introduction to International Law* Nijhoff  
 Stone, J. *Legal Controls of International Conflict* Maitland  
 Kelsen, H. *The Law of the United Nations* Stevens  
 Sohn, L. *Cases on United Nations Law* Foundation Press

EXAMINATION: One three-hour paper.

### Remedies

Twenty-five classes.

SYLLABUS: History and nature of equity and relationship of equity to the common law. A study of the equitable remedies, including injunction, specific performance, account, rectification and rescission. Equity practice in New South Wales. The study of legal remedies will be mainly concerned with quasi-contractual remedies.

#### BOOKS:

##### PRELIMINARY READING

Maitland, F. W. *Lectures on Equity*

##### REFERENCE BOOKS

- Hanbury, H. G. *Modern Equity* Stevens (any recent edition)  
 Snell, E. H. T. *Principles of Equity* Sweet & Maxwell (any recent edition)  
 Ashburner, W. *Principles of Equity* Butterworth, 2nd ed., 1933  
 Keeton, G. W. *Introduction to Equity* Pitman (any recent edition)  
 Stuckey, G. P. and Irwin, C. D. *Parker's Practice in Equity* Law Book Co., 2nd ed., 1949  
 Miller, E. S. and Horsell, J. F. *Equity Forms and Precedents*  
 Winfield, P. H. *Quasi-Contracts* Sweet & Maxwell, 1952  
 Munkman, J. H. *Quasi-Contracts* Pitman, 1950  
 Jackson, R. M. *History of Quasi-Contracts in English Law* C.U.P., 1936  
*Equity Act, 1901-1957* (N.S.W.)  
*Supreme Court Act 1958* (Vic.)  
*Rules of the Supreme Court of New South Wales*  
 Fry, E. *Specific Performance of Contracts* 6th ed., Stevens, 1921  
 Kerr, W. W. *Injunctions* 6th ed., Sweet & Maxwell, 1927  
 Kerr, W. W. *Fraud and Mistake* 7th ed., Sweet & Maxwell, 1952  
 Sheridan, L. A. *Fraud in Equity* Pitman, 1957

EXAMINATION: One three-hour paper.

### Succession

Thirty classes.

SYLLABUS: A study of the law relating to wills, intestate succession and the administration of the estates of deceased persons in New South Wales, Victoria and the Australian Capital Territory.

#### BOOKS:

##### PRESCRIBED BOOKS

- Wills, Probate and Administration Act, 1898-1954* (N.S.W.)  
*Administration and Probate Act 1958* (Vic.)  
*Wills Act 1958* (Vic.)  
*Administration and Probate Ordinance 1929-1960* (A.C.T.)

## REFERENCE BOOKS

- Parry, D. H. *Law of Succession* 3rd. or 4th ed., Sweet & Maxwell  
 Bailey, S. J. *Law of Wills* Pitman  
 Theobald, H. S. *Law of Wills* Stevens  
 Tristram, T. H. and Coote, H. C. *Probate Practice* Butterworth  
 Vasey, G. B. *Administration and Probate Act* Law Book Co.

EXAMINATION: One three-hour paper.

**Taxation**

Fifty classes.

SYLLABUS: A study of the law relating to taxation with special reference to income taxation.

## BOOKS:

## PRESCRIBED BOOKS

- Income Tax and Social Services Contribution Assessment Act 1936-1960  
 (C'wealth)

## REFERENCE BOOKS

- Gunn, J. A. L. *Income Tax Laws of Australia* Latest ed., Butterworth  
 Challoner, N. E. and Collins, C. M. *Income Tax Law and Practices* Law  
 Book Co.  
 Hannan, J. P. *Principles of Income Taxation* Law Book Co.  
*Taxation in Australia* Harvard World Tax Series, 1958 *Taxation Service*  
 Law Book Co.

EXAMINATION: One three-hour paper. Students may be required to demonstrate their proficiency in dealing with exercise work to the satisfaction of the lecturer before they can sit for the annual examination.

**Torts**

Fifty classes.

SYLLABUS: A study of the general principles of the law of torts as developed in England and now applied in New South Wales, Victoria and the Australian Capital Territory.

## BOOKS:

## PRESCRIBED BOOKS

- Fleming, J. G. *The Law of Torts in Australia* 2nd ed., Law Book Co., 1961  
 Wright, C. A. *Cases on the Law of Torts* 2nd ed., Butterworth, 1958

## REFERENCE BOOKS

- Salmond on Torts* 12th ed., Sweet & Maxwell, 1957  
*Winfield on Tort* 6th ed., Sweet & Maxwell, 1954  
 Clerk, J. F. and Lindsell, W. H. B. *Law of Torts* 11th ed., Sweet &  
 Maxwell, 1954  
 Prosser, W. L. *Handbook of the Law of Torts* 2nd ed., West Publishing  
 Co., 1955  
 Street, H. *The Law of Torts* 2nd ed., Butterworth, 1959  
 Pollock, F. *Law of Torts* 15th or later ed., Stevens  
 Morison, W. L. *Cases on Torts* Law Book Co.

EXAMINATION: One three-hour paper.

**Trusts**

Fifty classes.

**SYLLABUS:** A study of the general principles governing the establishment and administration of private and charitable trusts, created *inter vivos* or by will and a study of the legislation of New South Wales, Victoria and the Australian Capital Territory affecting the administration of trusts. A study of laws governing Federal gift duty, New South Wales stamp duty, Victorian stamp duty, Federal income tax, Federal estate duty, and Victorian probate duty so far as they affect donors, donees, settlors, trustees and beneficiaries.

**BOOKS:**

## PRESCRIBED BOOKS

- Ford, H. A. J. *Cases on Trusts* Law Book Co., 1959  
*Taxation affecting Trusts* Reprints of articles in Melbourne University Law Review, Volume 1  
*Conveyancing Act, 1919-1954* (N.S.W.)  
*Stamp Duties Act, 1920-1959* (N.S.W.)  
*Trustee Act, 1925-1942* (N.S.W.)  
*Administration and Probate Act 1958* (Vic.)  
*Property Law Act 1958* (Vic.)  
*Stamps Act 1958* (Vic.)  
*Trustee Act 1958* (Vic.)  
*Trustee Ordinance 1957* (A.C.T.)  
*Estate Duty Assessment Act 1914-1957* (C'wealth)  
*Gift Duty Assessment Act 1941-1957* (C'wealth)  
*Income Tax and Social Services Contribution Assessment Act 1936-1960* (C'wealth)

## REFERENCE BOOKS

- Underhill, A. *Law of Trusts and Trustees* Butterworth  
 Jacobs, K. S. *Law of Trusts in New South Wales* Butterworth  
 Nicholas, H. S. and Harrington, H. E. *Trustee Acts of New South Wales, and Supplement*

**EXAMINATION:** One three-hour paper.

**MOOT COURT**

A Moot Court is held during nineteen weeks in the year. It is at present held in the Court of Petty Sessions, Canberra, on Wednesday evenings. Students are assigned to argue cases, while others are required to act as solicitors and research assistants. Students are required to participate as assigned. A Moots Handbook is obtainable from the Moots Secretary of the Law Faculty.

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## *Degree Rules*

### COURSES OF STUDY (DEGREE OF BACHELOR OF LAWS) RULES

1. In these Rules, unless the contrary intention appears, "the Faculty" means the Faculty of Law.

2. The Degree of Bachelor of Laws may be conferred as a Pass Degree or as a Degree with Honours.

#### THE PASS DEGREE

3. A candidate for the Pass Degree of Bachelor of Laws shall—

- (a) have matriculated or been admitted to provisional matriculation before he commences the course for the degree; and
- (b) unless he has been admitted to advanced status, pursue his studies for at least four years and pass examinations in accordance with these Rules.

4. The subjects for the examination shall be as follows:—

- First Year:*
- (1) Introduction to Legal Method
  - (2) Legal History
  - (3) Contracts
  - (4) One subject chosen from the following group:—
    - (a) Australian History
    - (b) Logic and Scientific Method
    - (c) Political Science I
    - (d) Problems of Philosophy

- Second Year:*
- (5) Torts
  - (6) Criminal Law
  - (7) Property I
  - (8) Constitutional Law I
  - (9) Remedies (Equitable and Legal)

*Third and*

- Fourth Years:*
- (10) Property II
  - (11) Trusts
  - (12) Mercantile Law
  - (13) Company Law
  - (14) Taxation
  - (15) Succession
  - (16) Constitutional Law II
  - (17) Jurisprudence
  - (18) Conflict of Laws
  - (19) Evidence
  - (20) One subject chosen from the following group:—
    - (a) Public International Law;
    - (b) Comparative Law.
  - (21) One subject chosen from the following group, not being a subject chosen from the group specified in paragraph (20):—
    - (a) Industrial Law;
    - (b) Domestic Relations;
    - (c) Comparative Law.

5. The Faculty may determine the order and number of subjects in which a candidate may present himself for examination from time to time.

6. (1) Except with the permission of the Faculty, a candidate shall not present himself for examination in more than four subjects when pursuing the first year of the course, in more than five subjects when pursuing the second year of the course or in more than seven subjects when pursuing the third or fourth year of the course.

(2) For the purposes of this rule, a candidate shall be deemed to be pursuing the first year of the course until he has received credit for three subjects of the course, thereafter to be pursuing the second year until he has received credit for seven subjects of the course, thereafter to be pursuing the third year until he has received credit for thirteen subjects of the course and thereafter to be pursuing the fourth year.

7. A candidate shall not be admitted to examination in a subject of his course unless he has, to the satisfaction of the Faculty, attended such classes and performed such work in that subject as the Faculty determines.

8. The Faculty may, in special circumstances, hold a special examination for a candidate in a subject.

9. If a candidate's performance in the examination for a subject is of sufficient merit, he may be awarded a Pass, Credit or Distinction.

10. A candidate who has complied with the preceding provisions of these Rules may be admitted to the Pass Degree of Bachelor of Laws.

#### THE DEGREE WITH HONOURS

11. A candidate for the Degree of Bachelor of Laws with Honours shall comply with the rules for the Pass Degree of Bachelor of Laws and shall, in addition, pass a Final Honour examination.

12. (1) The Final Honour examination shall consist of two parts, Part A and Part B.

(2) Part A shall be constituted by the examinations of the third and fourth years in Jurisprudence, Constitutional Law II and Conflict of Laws.

(3) Part B shall comprise papers entitled Law I, II and III, which shall be based on all or any of the subjects included in the course for the Pass Degree of Bachelor of Laws.

(4) Part B shall be held not earlier than twelve weeks after the date of the last examination in Part A.

13. (1) A candidate shall not be admitted to Part B of the Final Honour examination unless, in the opinion of the Faculty, he has attained a satisfactory standard in the course leading to the Pass Degree of Bachelor of Laws.

(2) Except when the Faculty otherwise allows, a candidate for honours shall take Part B of the Final Honour examination in the year immediately following that in which he completes the course leading to the Pass Degree of Bachelor of Laws.

(3) Except with the permission of the Faculty, a candidate for honours shall not be permitted to attempt Part B of the Final Honour examination more than once.

14. (1) There shall be three classes of honours—first class, second class and third class.

(2) Candidates who have been so classified and who have qualified for the Pass Degree of Bachelor of Laws may be admitted to the Degree of Bachelor of Laws with Honours.

#### ADMISSION TO STATUS

15. (1) The Faculty may grant to a candidate who has performed work or passed a subject at another university in Australia, or at another university outside Australia approved by the Faculty, being work performed, or a subject passed, after matriculation at that university, such credit for that work or subject towards the Pass Degree of Bachelor of Laws as the Faculty determines.

(2) Where the Faculty so grants credit to a candidate, the Faculty shall determine the further subjects, not being less than six, that the candidate shall take to satisfy the requirements of these Rules for the degree.

(3) A candidate to whom this rule applies shall not be admitted to the Degree of Bachelor of Laws with Honours unless he has passed the Final Honour examination in accordance with rules 11 to 13 (inclusive) of these Rules.

#### COURSES OF STUDY (DEGREE OF MASTER OF LAWS) RULES

1. In these Rules, unless the contrary intention appears, "the Faculty" means the Faculty of Law.

2. (1) A candidate for the Degree of Master of Laws shall be—

- (a) a graduate in law with honours of a university in Australia, or of a university outside Australia approved by the Faculty; or
- (b) a graduate in law of a university in Australia, or of a university outside Australia approved by the Faculty, or a qualified legal practitioner, who has satisfied the Faculty of his ability to pursue the studies for the Degree of Master of Laws.

(2) Except when the Faculty otherwise directs, a candidate referred to in paragraph (b) of the last preceding sub-rule shall be required to satisfy the Faculty of his ability by passing a preliminary examination, the nature and scope of which shall be determined by the Faculty in the light of the candidate's proposed studies.

3. (1) Subject to the next succeeding sub-rule, a candidate shall pursue studies for at least one academic year.

(2) Where a candidate is engaged in employment other than university studies, he may be required by the Faculty to pursue studies for at least two academic years.

4. (1) A candidate shall submit a thesis on a topic approved by the Faculty.

(2) Except with the permission of the Faculty, a full-time candidate shall submit his thesis within three years, and a part-time candidate within five years, from the date on which he is accepted as a candidate for the degree.

5. (1) The thesis submitted by a candidate shall be referred to at least two examiners, of whom at least one shall be an examiner who is not a member of the academic staff of the University.

(2) A candidate may be orally examined on the subject of his thesis.

(3) A candidate who satisfactorily completes the requirements of these Rules and whose thesis is adjudged by the Faculty to be of sufficient merit may be admitted to the Degree of Master of Laws.

## THE FACULTY OF SCIENCE

### *The Science Degree*

#### THE PASS DEGREE

Any matriculated student is eligible to enrol for the course leading to the Degree of Bachelor of Science. It is highly desirable, however, that students should possess a sound basic grounding in physics and chemistry before commencing such a course. This is important, not only for students intending to specialise in physics or chemistry but also for those intending to study geology or the biological sciences. The course for the Pass Degree comprises eight units, four of which are taken in the first year, two in the second year, and two in the third year. Any course followed must be approved by the Faculty. The detailed rules are set out on pages 210 to 214.

When selecting units for study, a student should bear in mind that (a) he cannot study the second-year unit of a subject (except in Statistics) unless he has completed the first-year unit in that subject, and (b) certain second-year units have prerequisites, e.g. Physics I is a prerequisite for Chemistry II. The Student Adviser will advise the student in making his choice.

#### THE DEGREE WITH HONOURS

Students who attain a sufficient standard in the first three years of their course may be admitted to the fourth (honours) year to become candidates for the Degree with Honours. The work of the honours year will consist of advanced work in the selected subject, details of which are given under the individual departments.

#### HIGHER DEGREES

Facilities for postgraduate work leading to the Degree of Master of Science or Doctor of Philosophy are available in all departments. Details of the requirements for postgraduate degrees are given under the individual departments. A number of postgraduate scholarships are available.

#### NON-DEGREE STUDENTS.

Students not proceeding to a degree may be admitted to classes under certain conditions. See page 16.

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# *Details of Units and Book Lists*

## DEPARTMENT OF BOTANY

L. D. PRYOR, D.Sc. ADEL.

*Professor and Head of the Department*

### INTRODUCTION

Botany, or as it is often called, plant science, involves the comprehensive study of plants. Attention is given to their form and function, relationship to the environment, their development, derivation, classification, diseases and matters affecting inheritance. The close relationship of botanical study to other scientific disciplines is emphasized, in particular those with chemistry, zoology and geology. Considerable attention is given to field work and to the experimental approach in the study of plants.

Knowledge of botany is essential for those entering professional fields such as agriculture, veterinary science, forestry and pharmacy, and is frequently linked with biochemistry, geology and zoology in scientific research.

The main research interests at present are in the fields of ecology, experimental taxonomy, physiology of photosynthesis, flowering and growth, mycology and genetics. The Department has initiated research in most of these fields in *Eucalyptus*.

Apart from the professions mentioned, trained botanists find opportunities for applied and fundamental research in institutions such as those dealing with land use and conservation, and in industries dealing with fertilizers, plant disease control and the selection and breeding of plants for economic use.

### FOR THE PASS DEGREE

#### **Botany I**

Three lectures a week and compulsory laboratory work throughout the year, with field excursions.

**SYLLABUS:** (i) *The Flowering Plant*: Morphology, anatomy and an outline of systematics.

(ii) *Introduction to the Plant Kingdom*: structure and reproduction in the various phyla illustrated by a few specific examples from each group.

(iii) *Physiology*: an outline of plant physiology with reference to both flowering and non-flowering plants.

(iv) *Cytology and Genetics*: Elementary cytology and genetics and an introduction to the theory of evolution.

(v) *Ecology*: Preliminary plant ecology with reference to some plant communities in the Australian Capital Territory and southern New South Wales.

**LABORATORY:** Four and a half hours a week with field work as arranged. Details of instruments and practical notebooks required are available in the Botany Department. Collection, preservation and submission of 50 specimens of vascular plants is required.

**BOOKS:**

## PRESCRIBED BOOKS

- Robbins, W. W., Weier, T. E., and Stocking, C. R. *Botany, An Introduction to Plant Science* 2nd ed., Wiley, 1956  
 Weier, T. E., Stocking, C. R., and Tucker, J. M. *Botany, A Laboratory Manual* 2nd ed., Wiley, 1957

## REFERENCE BOOKS

- McLuckie, J., and McKee, H. S. *Australian and New Zealand Botany Assoc. Gen. Pub.*, 1954  
 Simpson, G. G., Pittendrigh, C. S., and Tiffany, L. H. *Life, An Introduction to Biology* Harcourt Brace  
 James, W. O. *Plant Physiology* 5th ed., O.U.P., 1955  
 Bonner, J., and Galston, A. W. *Principles of Plant Physiology* Freeman, 1952  
 Willis, J. C. *Dictionary of Flowering Plants and Ferns* C.U.P., 1948  
 Black, J. M. *Flora of South Australia* 2nd ed., Govt. Printer, S. Australia  
 Dobzhansky, T. *Genetics, Evolution and Man* Wiley

**EXAMINATION:** One three-hour written paper and one practical test of three hours.

**Botany II**

Four lectures a week with laboratory and field work throughout the year.

**SYLLABUS:** Emphasis will be given the ecology of the angiosperms and gymnosperms especially by reference to their physiology, anatomy, morphology, cytology and genetics, microbiological and soil relationships. Plant taxonomy will be taken to a stage adequate for ecological study. The collection and submission of a substantial number of specimens is required.

Physiology in selected aspects: growth and development, mineral nutrition, photosynthesis, respiration, translocation and water relationships, genetics and cytology.

**BOOKS:**

## PRESCRIBED BOOKS

- Bonner, J., and Galston, A. W. *Principles of Plant Physiology* Freeman 1952  
 Sinnott, E. W., Dunn, L. C., and Dobzhansky, T. *Principles of Genetics* McGraw-Hill  
 Willis, J. C. *Dictionary of Flowering Plants and Ferns* C.U.P., 1948  
 Esau, K. *Anatomy of Seed Plants* Wiley

## REFERENCE BOOKS

- Thomas, M., Ranson, S. L., and Richardson, J. A. *Plant Physiology* 4th ed., Churchill, 1956  
 White, M. J. D. *The Chromosomes* Methuen  
 Weaver, J. E., and Clements, F. E. *Plant Ecology* McGraw-Hill  
 Rendle, A. B. *Classification of Flowering Plants* C.U.P. (Vols. 1 & 2)

- Daubenmire, R. F. *Plants and Environment* Wiley  
 Leeper, G. W. *Introduction to Soil Science* M.U.P.  
 Black, J. M. *Flora of South Australia* Govt. Printer, Adelaide (Parts I-IV)  
 Hill, R., and Whittingham, C. P. *Photosynthesis* Methuen, 1955  
 Braun-Blanquet, J. J. *Plant Sociology* McGraw-Hill  
 Garratt, S. D. *Biology of the Root Infecting Fungi* C.U.P.  
 Bentham, G. *Flora Australiensis* Reeve

EXAMINATION: Two three-hour written papers. Practical tests may be required.

### Botany III

Chemistry I must be passed before this unit is taken.

Four lectures a week with laboratory and field work throughout the year.

SYLLABUS: Advanced physiology and ecology in selected aspects.

Evolutionary studies in both higher and lower plant groups in aspects such as reproduction, structure and distribution.

Mycology and plant pathology.

#### BOOKS:

##### PRESCRIBED BOOKS

- Thomas, M., Ranson, S. L., and Richardson, J. A. *Plant Physiology* Churchill, 1958  
 Baldwin, E. *Dynamic aspects of Biochemistry* 2nd ed., C.U.P.

##### REFERENCE BOOKS

- Audus, L. J. *Growth Substances* 2nd ed., Leonard Hill, London, 1959  
 Lilly, V. G., and Bartlett, H. L. *Physiology of the Fungi* McGraw-Hill, 1951  
 Heslop Harrison, J. *New Concepts in Flowering-Plant Taxonomy* Heinemann, 1953  
*The Australian Environment* 3rd ed., Melb. U.P., 1960  
 Stebbins, G. L. *Variation and Evolution in Plants* Columbia U.P., 1950  
 Esau, K. *Plant Anatomy* Wiley & Sons  
 Eames, A. J. *Morphology of Vascular Plants* McGraw-Hill  
 Fogg, E. C. *Metabolism of the Algae* Methuen, London, 1953  
 Bessey, E. A. *Morphology and Taxonomy of the Fungi* Constable, London, 1950  
 Smith, G. M. *Cryptogamic Botany* 2nd ed., McGraw-Hill (Vols. 1 & 2)  
 Ingold, C. T. *Dispersal in Fungi* O.U.P.  
 Bower, F. O. *Primitive Land Plants*  
 Walker, J. C. *Plant Pathology* McGraw-Hill, New York, 1950  
 Rabinowitch, E. *Photosynthesis* Interscience, 1945-1956  
 Davies, D. P. *Intermediary metabolism in plants* C.U.P., 1961  
 Bonner, J. *Plant Biochemistry* Academic Press  
 Curtis, O. F., and Clark, D. G. *Introduction to Plant Physiology* McGraw-Hill  
 Went, F. W. *The Experimental Control of Plant Growth* Chronic Botanica

EXAMINATION: Three three-hour papers. Students must have completed satisfactorily the laboratory and field work prescribed during the year.

### FOR THE DEGREE WITH HONOURS

Students who have attained an adequate standard in the first three years of the course may be admitted to the fourth (honours) year. The candidate will be guided in the selection of a suitable course by a supervisor who will direct his research project. An approved course of study in specialized topics will be approved and must be followed. Candidates must submit a concise report of the method and results of their investigation in the form of a thesis.

Appropriate examinations will be arranged and the classification for honours will be based on the results of these together with a report by the supervisor.

Students will be required to pass a test conducted by the Department of Botany in translation of a scientific text from German, French or Russian into English. Courses in science languages will be available in the Department of Modern Languages which may be attended by candidates for the degree of Bachelor of Science. Candidates are advised to attend the course during the third year of their course so that they will be prepared to undertake the test either before they enter, or at the beginning of, their fourth year. No exemption from the test will be granted, but attendance at the course is not compulsory.

### FOR THE DEGREE OF MASTER OF SCIENCE

Candidates will be required to pursue a course of study and original research. The choice of the field of research will be decided in consultation with the Head of the Department. Candidates who do not hold the Degree of Bachelor of Science with Honours will be required to take a written examination and an oral test at the end of their first year of study and must attain a sufficient standard at these examinations to be allowed to continue the course.

A supervisor will be appointed for each candidate to advise upon the course of study and direct the research project.

Candidates will submit a thesis embodying the results of their research, together with a critical review of the cognate literature, including that in foreign languages.

A candidate for the Degree of Master of Science will be required to satisfy the Head of the Department of his knowledge of a science language by passing a test conducted by the Department of Botany in translation of a scientific text from German, French or Russian into English. Courses in science languages will be available in the Department of Modern Languages and candidates are advised to undertake their test at the earliest possible stage of their candidature. Exemption from the test will not be granted except to those candidates who have passed the test conducted by the Department as part of the honours course for the Degree of Bachelor of Science with Honours of this University. Attendance at the course is not compulsory.

### FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will usually hold the Degree of Bachelor of Science with Honours.

In 1962 research facilities in certain fields of botany will be available.



## DEPARTMENT OF CHEMISTRY

A. N. HAMBLY, M.Sc., DIP.ED. MELB., F.R.A.C.I.  
*Professor and Head of the Department*

### INTRODUCTION

The chemistry course continues the studies of physical and inorganic chemistry that have been commenced in the secondary school, and develops these, along with organic chemistry, for the three years of the pass course.

Chemistry I is an essential unit in the majority of Science courses. As is usual in the experimental sciences, the subject matter of the course is illustrated in lecture demonstrations, and by the practical work performed by the students in the laboratories.

Tutorial discussions are an integral part of the course for the first and second years. In the third year, the whole of the student's time is devoted to the theory and practice of chemistry, and he is required to acquaint himself with a wide range of the relevant literature and of the experimental techniques.

Those students who have completed three years for the Pass Degree at a high standard may be admitted to the fourth year for the Degree of Bachelor of Science with Honours. In this year, students take selected, specialized courses of study, and undertake a project of original investigation. Other students may be admitted to the two-year course of research for the Degree of Master of Science. Those who have graduated Bachelor of Science with Honours, or have obtained the Degree of Master of Science, may in turn be admitted to courses of research for the Degree of Doctor of Philosophy.

Research in the Department is at present concentrated in the fields of spectroscopy applied to problems of molecular structure, the organic chemistry of products from Australian plants, synthesis of novel heterocyclic systems, physico-chemical problems of protein synthesis and studies of mixed crystal systems.

During 1962 work on the inheritance of eucalyptus oil type and on inorganic complexes will be commenced.

Chemistry can offer an entry into many interesting and satisfying occupations: Teaching in secondary or tertiary education; industrial, government or academic research; control of operations in chemical manufacture, or in providing information and patent services.

### FOR THE PASS DEGREE

#### Chemistry I

Three lectures a week with four hours of laboratory work a week during three terms. Students will be allotted to a tutorial class which will meet once a week. Some previous knowledge of chemistry will be assumed. The following syllabus provides a general guide to the topics to be discussed.

**SYLLABUS:** (i) *General Chemistry:* Atomic structure and the theory of valency. The structure of solids, liquids, vapours and solutions.

Chemical equilibrium: the equilibrium law and le Chatelier's principle. Ionic equilibria in aqueous solution; the Lowry-Bronsted theory of acids and bases; pH, indicators, buffer solutions; precipitation equilibria. Electrode potentials, voltaic cells, electrolysis; redox equilibria. Conductance of electrolyte solutions.

The properties of gases; the ideal gas equation; elements of the kinetic theory, deviations from ideal gas behaviour, van der Waals' equation.

Solid-liquid-gas equilibria for one-component systems; vapour pressure, liquefaction of gases and critical phenomena; the phase rule, two-component systems; solutions; the properties of gas-liquid, liquid-liquid and solid-liquid systems.

Colligative properties of solutions; molecular weights of dissolved substances.

Thermochemistry; heats of reaction; Hess' law.

Comparative chemistry of the elements, the periodic classification.

(ii) *Organic Chemistry:* the scope and elementary procedures of organic chemistry. An introductory study of the following classes of aliphatic compounds; hydrocarbons, alkyl halides, alcohols, ethers, aldehydes, ketones, acids and amines.

Electronic structure and stereochemistry of carbon compounds.

Functional, structural, geometric and optical isomerism.

The mechanisms of simple displacement reactions, Lewis theory of acids and bases.

The structure of aromatic hydrocarbons.

An introductory study of the following classes of aromatic compounds; halides, nitro-compounds, sulphonic acids, phenols, amines.

**LABORATORY:** The principles of inorganic, organic and physical chemistry will be illustrated. Exercises in quantitative and qualitative analysis will be included. The apparatus used in the course is supplied by the Chemistry Department. Attendance at laboratory classes is compulsory.

**BOOKS:**

PRELIMINARY READING

Pauling, L. *General Chemistry* Freeman

Read, J. *Direct Entry to Organic Chemistry* Methuen & Co.

Holden, A., and Singer, P. *Crystals and Crystal Growing* Heinemann

PRESCRIBED BOOKS

Hildebrand, J. H. and Powell, R. E. *Principles of Chemistry and Latimer, W. M. and Hildebrand, J. H. Reference Book of Inorganic Chemistry* (in one volume) Macmillan

*Schaum's Theory and Problems in College Chemistry* Schaum Publishing Co.

Brown, R. D. and O'Donnell, T. A. *Manual of Elementary Practical Chemistry* Melb. U.P.

Wood, C. W., and Holliday, A. K. *Organic Chemistry* Butterworth  
or Geissman, T. A. *Principles of Organic Chemistry* Freeman

## REFERENCE BOOKS

- Glasstone, S., and Lewis, D. *Elements of Physical Chemistry* new ed., Van Nostrand
- Brown, G. I. *Simple Guide to Modern Valence Theory* Longmans
- Moeller, T. *Inorganic Chemistry* Wiley
- Reed, R. I. and Tucker, S. H. *Organic Chemistry, Electronic Theory and Reaction Mechanism* Macmillan
- Finar, I. L. *Organic Chemistry* Longmans (Vol. I)
- Morrison, R. T., and Boyd, R. N. *Organic Chemistry* Allyn & Bacon

**EXAMINATION:** One three-hour written paper in general chemistry, one one-and-a-half-hour written paper in organic chemistry. There is no practical examination, but the work of each student is assessed continually throughout the year, and is taken into account in determining the success of candidates at the annual examination.

**Chemistry II**

Physics I and Pure Mathematics I must be passed before this unit is taken.

Approximately fifty lectures in physical chemistry, twenty-five lectures in inorganic chemistry and twenty-five lectures in organic chemistry with demonstrations and laboratory work during three terms. Students will be allotted to a tutorial class which will meet once a week.

**SYLLABUS:** (i) *The Fundamentals of Physical Chemistry:* electronic structure of atoms and molecules; atomic structure; molecular structure and valence; electrovalence; covalence. Properties of gases and liquids; kinetic theory; non-ideal gases and liquids.

First law of thermodynamics; Kirchhoff's law; reversibility and maximum work; Carnot cycle. Second law of thermodynamics; entropy; maximum work function, free energy; Gibbs-Helmholtz equation. Chemical equilibrium and free energy change in ideal systems; activity and activity coefficients. Solutions of non-electrolytes. Conductivity, Debye-Hückel-Onsager theory; electromotive force and chemical affinity; standard electrode potentials; oxidation-reduction potentials; applications to chemical problems. Equilibria in electrolyte solutions. Kinetics of homogeneous reactions; order of reaction; collision theory applied to reactions. Phase rule; one and two-component systems; condensed three-component systems.

(ii) *Systematic Organic Chemistry:* the chemistry of polyfunctional molecules, including a detailed study of conjugated alkenes, keto-acids, aldehydo-acids, hydroxy-acids and diketones. An introduction to alicyclic chemistry. A detailed study of aromatic nitro-compounds, amines, phenols, aldehydes, ketones and acids. Aromatic character, factors controlling aromatic substitution. Mechanism of aromatic and aliphatic reactions. Tautomerism. A brief introduction to heterocyclic systems including ethylene oxide, simple carbohydrates, furan, thiophen, pyrrole and pyridine. Selected biological applications of organic chemistry.

(iii) *Inorganic Chemistry:* chemistry of non-metallic elements, inter-relationships of atomic, molecular and crystal structure; co-ordination compounds, non-aqueous solvent systems, chemistry of metals.

**LABORATORY:** A course of approximately eighty hours of exercises in analytical and inorganic chemistry, seventy-two hours of exercises in organic chemistry and forty hours in physical chemistry. Apparatus for the course will be supplied by the Chemistry Department. Attendance at laboratory classes is compulsory.

**BOOKS:**

## PRELIMINARY READING

- Wells, A. F. *The Third Dimension in Chemistry* Oxford  
 Pauling, L. *The Nature of the Chemical Bond* 3rd ed., Cornell U.P.

## PRESCRIBED BOOKS

- Moore, W. J. *Physical Chemistry* 2nd ed., Longmans  
 or, for those who will be taking Chemistry III,  
 Glasstone, S. *Textbook of Physical Chemistry* Van Nostrand  
 Moeller, T. *Inorganic Chemistry* Wiley  
 Gould, E. S. *Inorganic Reactions and Structure* Holt  
 Dodd, R. E., and Robinson, P. L. *Experimental Inorganic Chemistry*  
 Elsevier  
 Geissman, T. A. *Principles of Organic Chemistry* Freeman  
 or, for those who will be taking Chemistry IIIB,  
 Morrison, R. T. and Boyd, R. N. *Organic Chemistry* Allyn & Bacon

## REFERENCE BOOKS

- Steiner, L. E. *Introduction to Chemical Thermodynamics* 2nd ed.,  
 McGraw-Hill  
 Ketelaar, J. A. A. *Chemical Constitution* 2nd ed., Elsevier  
 Glasstone, S. *Introduction to Electrochemistry* Van Nostrand  
 Findlay, A., Campbell, A. N. and Smith, N. O. *The Phase Rule and its*  
*Applications* 9th ed., Dover  
 Findlay, A. and Kitchener, J. A. *Practical Physical Chemistry* 8th ed.,  
 Longmans  
 Baker, J. W. *Electronic Theories of Organic Chemistry* O.U.P.  
 Finar, I. L. *Organic Chemistry* Longmans (Vol. I)  
 Hine, J. *Physical Organic Chemistry* McGraw-Hill  
 Fieser, L., and Fieser, M. *Organic Chemistry* 3rd ed., G. Harrap & Co.  
 Taylor, T. W. J. and Baker, W. *Sidgwick's Organic Chemistry of Nitrogen*  
 Oxford  
 Wells, A. F. *Structural Inorganic Chemistry* 3rd ed., Oxford  
 Sidgwick, N. V. *The Chemical Elements and their Compounds* 2 vols.,  
 Oxford  
 Remy, H. *Treatise on Inorganic Chemistry* 2 vols., Elsevier  
 Bunn, C. W. *Chemical Crystallography* Oxford  
 Emeleus, H. J. and Anderson, J. S. *Modern Aspects of Inorganic Chemistry*  
 3rd ed., Routledge

**EXAMINATION:** One three-hour paper in physical chemistry, one two-hour paper in inorganic chemistry and one two-hour paper in organic chemistry. Students who have not maintained a satisfactory standard in the laboratory course throughout the year will be required to take a practical examination.

**Chemistry IIIA**

(Physical and Inorganic Chemistry)

Approximately forty lectures in physical chemistry and thirty-five lectures in inorganic chemistry with twelve hours a week of laboratory work during three terms.

This is the appropriate course for students whose other major studies are in physics or geology. Students taking the honours course in chemistry and those intending to become professional chemists should enrol for both Chemistry IIIA and Chemistry IIIB.

**SYLLABUS:** (i) *Inorganic Chemistry*: selected chapters of inorganic chemistry including acid-base systems, radiochemistry, mechanism of inorganic reactions, the defect solid state, geochemistry, chemistry of metallic systems, chemistry of the rarer elements.

(ii) *Physical Chemistry*: theory and chemical applications of atomic and molecular spectroscopy, statistical thermodynamics, photochemistry and free radicals, absolute reaction rate theory.

**LABORATORY:** Approximately one hundred and twenty hours will be spent on advanced exercises in practical physical chemistry and one hundred and eighty hours in exercises in analysis by instrumental methods; preparation and structural studies of inorganic compounds.

**BOOKS:**

**PRELIMINARY READING**

Bunn, C. W. *Chemical Crystallography* Oxford  
 Hinshelwood, C. N. *Structure of Physical Chemistry* Oxford

**PRESCRIBED BOOKS**

Glasstone, S. *Textbook of Physical Chemistry* Van Nostrand  
 Moeller, T. *Inorganic Chemistry* Wiley  
 Gould, E. S. *Inorganic Reactions and Structure* Holt  
 Dodd, R. E., and Robinson, P. L. *Experimental Inorganic Chemistry*  
 Elsevier

**REFERENCE BOOKS**

Sidgwick, N. V. *The Chemical Elements and Their Compounds* 2 vols.,  
 O.U.P.  
 Wells, A. F. *Structural Inorganic Chemistry* 3rd ed., O.U.P.  
 Latimer, W. M. *The Oxidation States of the Elements* Prentice-Hall  
 Cook, G. B., and Duncan, J. F. *Modern Radiochemical Practice* O.U.P.  
 Noyes, W. A., and Leighton, P. A. *The Photochemistry of Gases* Reinhold  
 Steacie, E. W. R. *Atomic and Free Radical Reactions* Reinhold  
 Glasstone, S., Laidler, K. J., and Eyring, H. *The Theory of Rate Processes*  
 McGraw-Hill  
 Darken, L. S., and Gurry, R. W. *Physical Chemistry of Metals* McGraw-  
 Hill  
 Partington, J. R. *An Advanced Treatise on Physical Chemistry* 5 vols.,  
 Longmans  
 Taylor, H. S., and Glasstone, S. *Treatise on Physical Chemistry* Van  
 Nostrand

**EXAMINATION:** One three-hour paper in inorganic chemistry and one three-hour paper in physical chemistry. Students who have not completed a satisfactory laboratory course will not be admitted to the examination.

**Chemistry IIIB**

(Organic and Physical Chemistry)

Approximately fifty lectures in organic chemistry and twenty-five lectures in physical chemistry with twelve hours a week of practical work during three terms.

This is the appropriate course for a student who is taking a major in one of the biological sciences. Students taking the honours course in chemistry and those intending to become professional chemists should enrol for both Chemistry IIIA and Chemistry IIIB.

**SYLLABUS:** (i) *Organic Chemistry:* Alicyclic compounds, conformational analysis, steric effects in organic reactions. Carbenes and organic free radicals. A detailed study of selected heterocycles containing oxygen, nitrogen and sulphur. Natural and synthetic macromolecules. Synthetic uses of acetylenes. Representative steroids, terpenes, alkaloids and natural colouring matters. Biosynthesis, metabolic pathways and energy linked reactions. Stereochemistry and absolute configuration in drug and enzyme actions.

(ii) *Physical Chemistry:* Surface and colloid chemistry, kinetics of polymerisation and properties of high polymers and proteins, ion exchange and applied electrochemistry.

**LABORATORY:** A course of approximately two hundred hours of exercises in the preparation, identification and determination of structure of organic compounds and one hundred hours of exercises in physical chemistry.

**BOOKS:**

## PRELIMINARY READING

- Ketelaar, J. A. A. *Chemical Constitution* 2nd. ed., Elsevier  
 Mysels, K. J. *Introduction to Colloid Chemistry* Interscience

## PRESCRIBED BOOKS

- Morrison, R. T., and Boyd, R. N. *Organic Chemistry* Allyn & Bacon  
 Finar, I. L. *Organic Chemistry* Longmans (Vol. II)  
 Gould, E. S. *Mechanism and Structure in Organic Chemistry* Henry Holt & Co., N.Y.  
 Vogel, A. I. *A Textbook of Practical Organic Chemistry* Longmans  
 Flory, P. J. *Principles of Polymer Chemistry* Cornell University Press  
 Adamson, A. W. *Physical Chemistry of Surfaces* Interscience

## REFERENCE BOOKS

- Badger, G. M. *The Structure and Reactions of the Aromatic Compounds* C.U.P.  
 Gilman, H. *Organic Chemistry* 4 vols., Wiley  
 Fieser, L. F., and Fieser, M. *Steroids* Reinhold  
 Fieser, L. F., and Fieser, M. *Organic Chemistry* Reinhold  
 Taylor, T. W. J., and Baker, W. *Sidgwick's Organic Chemistry of Nitrogen* Oxford  
 Elderfield, R. (ed.) *Heterocyclic Compounds* Wiley (Vols. 1, 2, 3, 4, 5 & 6) Wiley  
 Albert, A. *Heterocyclic Chemistry* Blackwells  
 Newman, M. S. *Steric Effects in Organic Chemistry* Wiley  
 Adams, R. *Organic Reactions* Wiley  
 Weygand, C. *Organic Preparations* Interscience  
 Hammett, L. P. *Physical Organic Chemistry* McGraw-Hill  
 Manske, R. F., and Holmes, H. L. *The Alkaloids* Academic Press  
 Robinson, R. *Structural Relations in Natural Products* O.U.P.  
 Alexander, A. E., and Johnson, P. *Colloid Science* Oxford  
 Mysels, K. J. *Introduction to Colloid Chemistry* Interscience  
 Bikerman, J. J. *Surface Chemistry* Academic Press

- Kortuem, G., and Bockris, J. O'M. *Textbook of Electrochemistry* Elsevier  
Kitchener, J. A. *Ion Exchange Resins* Methuen  
Todd, A. R. *Perspectives in Organic Chemistry* Interscience  
Bentley, K. W. *Chemistry of Natural Products* Interscience

**EXAMINATION:** One three-hour paper in organic chemistry and one three-hour paper in physical and organic chemistry combined. Students who have not completed a satisfactory laboratory course will not be admitted to the examination.

#### FOR THE DEGREE WITH HONOURS

Students who have attained a sufficient standard in the first three years of the course may be admitted to the fourth (honours) year. Those proposing to take this course should pass an examination in scientific German during the second year of the Pass Degree course. In all cases the requirement of a pass in scientific German must be met before the end of first term in the fourth Honours year. Students may receive permission to substitute another suitable language for German. Courses in science languages will be available in the Department of Modern Languages. Attendance at the course is not compulsory. A supervisor, who will guide the candidate in the selection of a suitable course of study and who will direct his research project, will be appointed for each honours candidate. The course of study must be selected from the various groups of lectures given by specialists and must be approved by the Head of the Department. A list of these lecture options will be posted on the notice board of the department. Candidates will be able to select their general field of investigation.

Attendance at colloquia held in the department constitutes a part of the course and the candidate may be required to prepare and deliver papers on prescribed topics.

Candidates must submit a concise report of the method and results of their investigation by the third Saturday in November of the year in which they take the course.

There will be a written examination and an oral test.

The classification for honours will be based on the report of the investigation, the results of the written and oral examinations and a report by the supervisor.

#### FOR THE DEGREE OF MASTER OF SCIENCE

Candidates will be required to pursue a course of study and original research. The choice of the field of research will be decided by the student in consultation with the Head of the Department. Candidates who do not hold the Degree of Bachelor of Science with Honours will be required to take a written examination and an oral test at the end of their first year of study and must attain a sufficient standard at these examinations to be allowed to continue the course.

Candidates will be required to satisfy the Head of the Department of their knowledge of scientific German by passing a test in translation. Candidates are advised to undertake their test at the earliest possible stage of their candidature. Exemption from the test will not be granted except to those candidates who have passed the test as part of the honours course for the Degree of Bachelor of Science with Honours of this University. Permission may be given to substitute

another suitable language for German. Courses in science languages will be available in the Department of Modern Languages. Attendance at the course is not compulsory.

A supervisor will be appointed for each candidate, who will advise on the course of study and direct the research project.

Regular colloquia will be held and candidates will present summaries of original memoirs allotted to them for study.

Candidates will submit a report embodying the results of their research, together with a critical review of the cognate literature including that in foreign languages.

### FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree in the School of Chemistry will usually hold the Degree of Bachelor of Science with Honours though candidates with the Degree of Master of Science may be admitted to the course.

In 1962 facilities will be available in the Chemistry Department for study and research in this course in the following fields: Molecular spectroscopy, chemistry of organic natural products, synthesis of new types of heterocyclic compounds, X-ray crystallography, electrochemistry, protein synthesis, chemistry of complex salts.

## DEPARTMENT OF GEOLOGY

D. A. BROWN, M.Sc. N.Z., Ph.D., D.I.C. LONDON

*Professor and Head of the Department*

### INTRODUCTION

Few subjects have more to offer the student in the way of variety than geology. This is partly because he is dealing with the study of the Earth, an object of endless change in itself, and partly because, in order to carry out this study, he has to draw on information from nearly all other branches of science.

From the purely scientific or cultural points of view, geology is concerned with such features as the development of scenery; the building of the crustal units—continents, oceans, mountain ranges; the procession of life through past ages; and the reconstruction of the geography in past geological times. On the practical side, geology is applied to the search for industrial raw materials, the siting of engineering projects, the location of supplies of water, oil and coal.

For the Pass Degree in geology, students are trained at appropriate levels in crystallography, mineralogy, petrology and petrogenesis, palaeontology, stratigraphy, sedimentology, structural geology and economic geology. Lectures are supplemented by an intensive course of practical work, including field excursions and mapping projects to illustrate features of geological interest in the local area and to prepare students for independent geological mapping elsewhere.



For the Degree with Honours and the Degree of Master of Science students are required to make a detailed investigation, involving preparation of a thesis, of a specified topic. Advanced work is also carried out on topics studied in the Pass Degree, with additional investigations depending on the students' inclinations.

Post-graduate research facilities are available in a number of specialized fields of investigation (*see* page 194).

The completion of a university degree in geology opens the door to a wide variety of professional activities with official geological surveys, with the laboratory and exploration sections of petroleum and mining organizations, with civil engineering and various industrial undertakings, and in teaching institutions.

## FOR THE PASS DEGREE

### Geology I

Three lectures a week, with tutorials and laboratory and field work, throughout the year.

**SYLLABUS:** Elementary physical geology, crystallography, mineralogy, petrology, structural geology, palaeontology and stratigraphy.

**LABORATORY:** Not less than three hours a week to be arranged. A pass in practical work is required in order to qualify for a pass in the course.

**FIELD WORK:** This forms an essential part of the course and is conducted on occasional Saturdays during the session. A week-end excursion is also held in the August vacation.

#### BOOKS:

##### PRESCRIBED BOOKS

Gilluly, J., Waters, A. C., and Woodford, A. O. *Principles of Geology*. 2nd ed., Freeman

Rutley, F. (Read) *Elements of Mineralogy* 24th or later ed., Murby

Tyrrell, G. W. *Principles of Petrology* Methuen

Woods, H. *Palaeontology* 8th ed., C.U.P.

Oakley, K. P., and Muir-Wood, H. M. *The Succession of Life through Geological Time* B.M.N.H.

Hills, E. S. *Outlines of Structural Geology* 3rd ed., Methuen

The geology section of the Library and the departmental collections are open to students, and advice as to reading on any special section of the work will be given by members of the staff.

**EXAMINATION:** Two three-hour written papers, and a practical test.

### Geology II

Four lectures a week, with tutorials and laboratory and field work, throughout the year. It is assumed that students taking this course will already have taken Chemistry I.

**SYLLABUS:** Crystallography, mineralogy, petrology, palaeontology, stratigraphy, sedimentology, economic geology and structural geology. Essays will also be given on geomorphology topics.

**LABORATORY:** Not less than eight hours a week to be arranged. A pass in practical work is required in order to qualify for a pass in the course.

**FIELD WORK:** Students will be required to attend a number of field courses, including day excursions held during the session and a five-day excursion in one of the vacations.

**BOOKS:** Students may obtain a list of vacation reading at the end of their first year.

PRESCRIBED BOOKS

- Phillips, F. C. *An Introduction to Crystallography* 2nd ed., Longmans  
 Kerr, P. F. *Optical Mineralogy* McGraw-Hill  
 Williams, H., Turner, F. J., and Gilbert, C. M. *Petrography* Freeman  
 or Hatch, F. H., Wells, A. K., and Wells, M. K. *The Petrology of the Igneous Rocks* 10th ed., Allen & Unwin  
 Bateman, A. M. *The Formation of Mineral Deposits* Wiley  
 Dunbar, C. O., and Rodgers, J. *Principles of Stratigraphy* Wiley  
 \*Pettijohn, F. J. *Sedimentary Rocks* 2nd ed., Harper  
 Badgley, P. C. *Structural Methods for the Exploration Geologist* Harper  
 \*Moore, R. C., Lalicker, C. G., and Fischer, A. G. *Invertebrate Fossils* McGraw-Hill  
 or \*Shrock, R. R., and Twenhofel, W. H. *Principles of Invertebrate Paleontology*. McGraw-Hill  
 Krumbein, W. C., and Pettijohn, F. J. *Manual of Sedimentary Petrography* Appleton-Century-Crofts

REFERENCE BOOKS

A list will be provided at the beginning of the session.

**EXAMINATIONS:** These will be held at the conclusion of individual courses throughout the session and will be used to determine the final results.

### Geology III

Four lectures a week, with seminars and laboratory and field work, throughout the year.

**SYLLABUS:** Petrographic methods, X-ray crystallography, geochemistry, petrogenesis, palaeontology, stratigraphy, sedimentary petrology, geotectonics, economic geology and surveying methods.

**LABORATORY:** Not less than twelve hours a week to be arranged. A pass in practical work is required in order to qualify for a pass in the course.

**FIELD WORK:** To be arranged.

**BOOKS:** Students may obtain a list of vacation reading at the end of their second year.

PRESCRIBED BOOKS

- Mason, B. H. *Principles of Geochemistry* 2nd ed., Wiley  
 Turner, F. J., and Verhoogen, J. *Igneous and Metamorphic Petrology* 2nd ed., McGraw-Hill  
 Short, M. N. *Microscopic Identification of the Opaque Minerals* U.S.G.S.  
 Folk, R. L. *Petrology of Sedimentary Rocks* Hemphill's, Austin, Texas

In addition, students will be expected to possess those texts marked \* under Geology II.

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\* These books should be obtained by students intending to proceed to Geology III.

## REFERENCE BOOKS

A list will be provided at the beginning of the session.

**EXAMINATIONS:** These will be held at the conclusion of individual courses throughout the session and will be used to determine the final results.

## FOR THE DEGREE WITH HONOURS

A candidate for this degree shall, after completing the course for the Pass Degree of Bachelor of Science with satisfactory merit, pursue a course of advanced study during one calendar year, including practical work and seminars as well as the preparation of a detailed report. A large amount of the field work that may be required for this report should be carried out during University vacations.

A candidate shall be required to pass a written examination or oral examination or both in certain aspects of his subject, which shall be notified to the candidate before the end of the first term of his course for the degree.

Students will be required to pass a test conducted by the Department of Geology in translation of scientific texts from Russian or German into English. Candidates are advised to commence their language studies, unless already prepared, not later than the third year of their course, so that they may sit the test either before they enter, or at the beginning of, their fourth year. Courses in science languages will be available in the Department of Modern Languages. No exemption from the test will be granted but attendance at the course is not compulsory.

## FOR THE DEGREE OF MASTER OF SCIENCE

A candidate for the Degree of Master of Science is required to undertake research in an approved field and to submit a thesis embodying the results. The candidate will normally be required to work under supervision in the Department of Geology, but may be exempted from this requirement. A candidate who does not hold a degree of Bachelor of Science with first or second class honours, or its equivalent, will be required to pass a qualifying examination covering topics specified by the Head of the Department, before proceeding to submit a thesis.

Candidates for the Degree of Master of Science in Geology shall be required to produce evidence of their ability to read a foreign language by passing a test conducted by the Department of Geology in the translation of scientific texts from Russian or German into English. Exemption will only be granted to those candidates who have passed the test required for the Degree of Bachelor of Science with Honours of this University. Courses in science languages will be available in the Department of Modern Languages. Attendance at the course is not compulsory.

## FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will normally hold the Degree of Bachelor of Science with Honours.

In 1962, research facilities will be available in the fields of igneous, metamorphic and sedimentary petrology, invertebrate palaeontology and stratigraphy, structural geology, and economic geology.

## DEPARTMENT OF MATHEMATICS

A. BROWN, M.A. GLAS., PH.D. CANTAB.

*Professor and Head of the Department*

## INTRODUCTION

Mathematics may be studied as a science in itself. This requires a long period of learning the known techniques, theorems, relationships and some of their applications before the student can experiment with new methods and carry out research into new relationships and better techniques. Mathematics is also an ancillary to the other sciences because a mastery of some of its techniques provides a powerful tool for solving many of the problems of pure and applied science. In the first and second years, the main emphasis of the Department is on the teaching of techniques to meet the needs of the mathematicians and the other scientists who require mathematics as an ancillary.

The Department runs a three-year course, Pure Mathematics I, II and III, consisting of algebra, geometry and analysis in each of the stages, and a three-year course, Applied Mathematics I, II and III, consisting of mechanics and field theory. These courses may be taken concurrently by a student specializing in mathematics as part of a Bachelor's degree in science, together with other science units. The earlier units of the mathematics course are also taken by other Science and Arts students and in some cases they are prerequisites.

Courses of lectures, tutorials and written work are arranged for the students, and those wishing to study for an honours degree will be required to undertake additional work.

Fourth year students who have completed both the pure and applied mathematics courses will specialize in a small selection of topics for a Bachelor of Science honours degree and in preparation for research.

## FOR THE PASS DEGREE

Details of the following units are given under the Faculty of Arts (*see* pages 59 to 62):

**Pure Mathematics I****Pure Mathematics II****Pure Mathematics III****Applied Mathematics I****Applied Mathematics II****Applied Mathematics III**

## FOR THE DEGREE WITH HONOURS

Students who have attained a sufficient standard in the first three years of both pure and applied mathematics may be admitted to the fourth (honours) year. This will consist of a course of study in several specialized topics chosen in consultation with the Professor of Mathematics.

There will be a written examination at the end of the year.

Students will be required to pass a test conducted by the Department of Mathematics in translation of a scientific text from German, French or Russian into English. Courses in science languages will be available in the Department of Modern Languages which may be attended by candidates for the Degree of Bachelor of Science. Candidates are advised to attend the course during the

third year of their course so that they will be prepared to undertake the test either before they enter, or at the beginning of, their fourth year. No exemption from the test will be granted but attendance at the course is not compulsory.

#### FOR THE DEGREE OF MASTER OF SCIENCE

A candidate for the Degree of Master of Science will be required to satisfy the Head of the Department of his knowledge of German, French or Russian by passing a test conducted by the Department of Mathematics in translation of a scientific text into English. Courses in science languages will be available in the Department of Modern Languages and candidates are advised to undertake their test at the earliest possible stage of their candidature. Exemption from the test will not be granted except to those candidates who have passed the test conducted by the Department as part of the honours course for the Degree of Bachelor of Science with Honours of this University. Attendance at the course is not compulsory.

Details of other work will be arranged by the Professor of Mathematics.

#### FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Details will be arranged by the Professor of Mathematics.

### DEPARTMENT OF PHYSICS

D. N. F. DUNBAR, M.Sc. N.Z., Ph.D. MELB.

*Professor and Head of the Department*

#### INTRODUCTION

The courses in physics are designed to serve two important groups of students: (a) those intending to become professional physicists; and (b) those intending to specialize in other branches of science or related subjects.

The basic principles of physics are so far reaching that an introductory course in the subject forms an essential part of such degree courses as medicine and engineering. The first year course provided in physics is designed to cater for such needs as well as laying a sound foundation of knowledge for the intending physicist.

The later years of the course for the Bachelor of Science degree contain a general coverage of the principal branches of physics without placing an undue emphasis on any one aspect. Among topics included are thermodynamics, optics, spectroscopy, solid state theory, quantum mechanics and nuclear physics. This basic course is intended to provide the training necessary for a physicist to enter any branch of a profession which includes such diverse fields as atomic energy, meteorology and school teaching.

After the completion of the third year of the Bachelor of Science course many students proceed further to a Bachelor of Science honours degree or to a Master of Science degree. This course is strongly recommended to those students seeking a career in a university or research laboratory. As well as continuing to study certain special branches of physics students at this level have an opportunity of embarking on a research project which although it must be approved by the Head of the Department may be of their own choosing. By following this course of combined study and directed research the student is prepared to cope with the sort of problems which may later confront him in his chosen profession.

## FOR THE PASS DEGREE

**Physics I**

Three lectures a week with laboratory work throughout the year. Some previous knowledge of physics will be assumed.

**SYLLABUS:** Mechanics; properties of matter; heat; wave motion and sound; geometrical and physical optics; electricity and magnetism; atomic and nuclear physics.

**LABORATORY:** Three hours a week throughout the year. One three-hour practical examination may be set.

**BOOKS:**

## PRELIMINARY READING

Holton, G. *Introduction to Concepts and Theories in Physical Science* Addison-Wesley

Holton, G. and Roller, D. H. D. *Foundations of Modern Physical Science* Addison-Wesley

## PRESCRIBED BOOKS

Allen, N. C. B. and Martin, L. H. *Elementary Experiments in Physics* M.U.P.

Either Richards, J. A., Sears, F. W., Wehr, M. R. and Zemansky, M. W. *Modern University Physics* Addison-Wesley

or Sears, F. W. and Zemansky, M. W. *University Physics* Addison-Wesley and Caro, D. E., McDonell, J. A., and Spicer, B. M. *Modern Physics* Cheshire

## REFERENCE BOOKS

Wehr, M. R. and Richards, J. A. *Physics of the Atom* Addison-Wesley

Halliday, D. and Resnick, R. *Physics for Students of Science and Engineering* 2 vols., Wiley

**EXAMINATION:** One three-hour paper.

**Physics II**

Four lectures a week with laboratory work throughout the year.

**SYLLABUS:** The following topics will be included: Thermodynamics and heat; optics; electromagnetic theory; electronics; atomic and nuclear physics.

**LABORATORY:** A minimum of six hours a week throughout the year. Credit for laboratory work is included in assessing the quality of the year's work.

**BOOKS:**

## PRESCRIBED BOOKS

Pugh, E. M. and Pugh, E. W. *Principles of Electricity and Magnetism* Addison-Wesley

Semat, H. *Introduction to Atomic and Nuclear Physics* Wiley

Sears, F. W. *Thermodynamics, the Kinetic Theory of Gases, and Statistical Mechanics* Addison-Wesley

Jenkins, F. A. and White, H. E. *Fundamentals of Optics* McGraw-Hill

Allen, N. C. B. and Martin, L. H. *Exercises in Experimental Physics* M.U.P.

Beers, Y. *Introduction to the Theory of Error* Addison-Wesley

or Topping, J. *Errors of Observation and Their Treatment* Institute of Physics

## REFERENCE BOOKS

- Scott, W. T. *Physics of Electricity and Magnetism* Wiley  
 French, A. P. *Principles of Modern Physics* Wiley  
 Born, M. *Atomic Physics* Blackie  
 Constant, F. W. *Theoretical Physics: Electromagnetism* Addison-Wesley  
 Constant, F. W. *Theoretical Physics: Mechanics* Addison-Wesley  
 Fich, S. and Potter, J. L. *Theory of A-C Circuits* Prentice-Hall  
 Benson, F. A. and Harrison, D. *Electric-Circuit Theory* Arnold

**EXAMINATION:** Examinations will be conducted from time to time throughout the year as sections of the unit are completed.

**Physics III**

Four lectures a week with laboratory work throughout the year.

**SYLLABUS:** Introductory quantum mechanics; electromagnetism; gas discharges; solid state physics; nuclear physics; spectroscopy.

**LABORATORY:** A minimum of fifteen hours a week throughout the year. Credit for laboratory work is included in assessing the quality of the year's work.

**BOOKS:**

## PRESCRIBED BOOKS

- Those prescribed for Physics II together with:  
 Langmuir, R. V. *Electromagnetic Fields and Waves* McGraw-Hill  
 Slater, J. C. *Quantum Theory of Atomic Structure* McGraw-Hill (Vol. I)  
 Green, A. E. S. *Nuclear Physics* McGraw-Hill  
 Dekker, A. J. *Solid State Physics* Macmillan  
 Llewellyn-Jones, F. *Ionization and Breakdown in Gases* Methuen

## REFERENCE BOOKS

- Stratton, J. A. *Electromagnetic Theory* McGraw-Hill  
 \*Mott, N. F. *Elements of Wave Mechanics* C.U.P.  
 White, H. E. *Introduction to Atomic Spectra* McGraw-Hill  
 Sherwin, C. W. *Introduction to Quantum Mechanics* Holt-Dryden  
 Brown, S. C. *Basic Data of Plasma Physics* Chapman & Hall  
 Joos, G. *Theoretical Physics* Blackie  
 Cusack, N. *Electrical and Magnetic Properties of Solids* Longmans  
 van Beuren, H. G. *Imperfections in Crystals* North-Holland

**EXAMINATION:** Examinations will be conducted from time to time throughout the year as sections of the unit are completed.

**Theoretical Physics**

Applied Mathematics II and Physics II must be passed before this unit is taken.

Four lectures a week throughout the year.

**SYLLABUS:** Classical mechanics, quantum mechanics, statistical mechanics, matrix mechanics, relativity and theory of fields.

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\* Not required by students taking Theoretical Physics.

## BOOKS :

## PRESCRIBED BOOKS

- Pauling, L. C. and Wilson, E. B. *Introduction to Quantum Mechanics*  
McGraw-Hill
- or Schiff, L. I. *Quantum Mechanics* McGraw-Hill
- Stratton, J. A. *Electromagnetic Theory* McGraw-Hill

EXAMINATION: Examinations will be conducted from time to time throughout the year as sections of the unit are completed.

## FOR THE DEGREE WITH HONOURS

Students who have attained a sufficient standard in the first three years of the course may be admitted to the fourth (honours) year. In this fourth year students may specialize in *either* experimental physics *or* theoretical physics, provided they have qualified in Physics III and Theoretical Physics respectively.

The unit will consist of approximately five lectures per week on specialized aspects of the following topics: Quantum mechanics, solid state physics, nuclear physics, gas discharge processes, atomic collision phenomena and astrophysics.

Candidates will also be required to undertake original work on a selected research problem and to submit a report on this work.

Written examinations will be held from time to time throughout the year and may be supplemented by an oral test.

Students will be required to pass a test conducted by the Department of Physics in translation of a scientific text from an approved foreign language into English. Courses in science languages will be available in the Department of Modern Languages which may be attended by candidates for the Degree of Bachelor of Science. Candidates are advised to attend the course during the third year of their course so that they will be prepared to undertake the test either before they enter, or at the beginning of, their fourth year. No exemption from the test will be granted but attendance at the course is not compulsory.

## FOR THE DEGREE OF MASTER OF SCIENCE

Candidates for this degree will usually be graduates who hold the Degree of Bachelor of Science who do not propose to proceed to a Doctor of Philosophy or higher degree. For such students the course consists of a minimum of two years full time work, the first year of which closely resembles the course for the Degree of Bachelor of Science with Honours.

Candidates are required to write a thesis on a topic approved by the head of the department and may be orally examined on the subject of this thesis.

In 1962 research facilities in the fields of low energy atomic and nuclear collisions, solid state diffusion and solid state electrons will be available.

A candidate for the Degree of Master of Science will be required to satisfy the Head of the Department of his knowledge of an approved foreign language by passing a test conducted by the Department of Physics in translation of a scientific text into English. Courses in science languages will be available in the Department of Modern Languages and candidates are advised to undertake their test at the earliest possible stage of their candidature. Exemption from the test will not be granted except to those candidates who have passed the test conducted by the Department as part of the honours course for the Degree of Bachelor of Science with Honours of this University. Attendance at the course is not compulsory.



## FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will usually hold the Degree of Bachelor of Science with Honours.

In 1962 research facilities in the fields of low energy atomic and nuclear collisions, solid state diffusion and solid state electronics will be available.

## DEPARTMENT OF PSYCHOLOGY

C. A. GIBB, M.A., B.EC. SYD., PH.D. ILLINOIS

*Professor and Head of the Department*

### INTRODUCTION

Psychology may be studied either as a single course, designed to give some insight into the objective and scientific study of human behaviour, or as a major in either an Arts or Science degree. The first year of the course is largely an introduction to the methods used in psychological science and to the type of problems with which it deals. However, a good deal of substantive information is included upon such subjects as motivation, perceiving, learning, remembering, thinking, individual differences, personality and elementary statistical procedures. Students in all courses in psychology participate in laboratory work. Subsequent courses treat more specialized subject matter and offer training in more advanced techniques.

A student with leanings towards the natural sciences will ordinarily take psychology as a major in a Bachelor of Science degree course. One whose interests incline him rather to social psychology will ordinarily pursue the Bachelor of Arts degree course with honours in psychology.

The Pass Degree courses are not planned with a view to providing specialized professional training. Students who wish to become practising psychologists will usually need to pursue an honours course and, in some circumstances, to proceed to postgraduate studies in psychology.

In general, a student who has an honours Bachelor's degree in Arts or Science may enrol directly for the degree of Doctor of Philosophy, but in Arts it is customary to do this by taking a Master of Arts degree first. The Pass Degree student with a major in psychology may enrol for a Master's degree in Arts or Science (depending upon the Faculty in which his first degree was taken) but may not enrol directly for the Degree of Doctor of Philosophy.

### FOR THE PASS DEGREE

#### Psychology I

Three lectures a week, with laboratory work throughout the year, which provides an introduction to psychology by examining the central group of topics comprising general psychology.

**SYLLABUS:** An introduction to behaviour and methods of observing it; the biological and social bases of behaviour; human heredity; nervous system in man; sensory receptor organs and the effectors; perception; motivation and emotion; learning; thinking; intelligence and ability; nature and development of personality; individual differences in abilities and personality; psychological measurement; the individual in society.

**LABORATORY:** Three hours a week. The practical work of each student is examined continually during each term and attendance at these classes is compulsory. Records are kept of success in performing and reporting practical work and these form an integral part of the examination.

Laboratory work emphasizes training in methods of psychological investigation (including statistical methods).

**HONOURS:** No additional work and no additional examination is required for honours. Distinction and credit will be awarded on the results of the final examination and on records of class work.

**BOOKS:**

PRESCRIBED BOOKS

- Krech, D., and Crutchfield, R. S. *Elements of Psychology* Knopf, 1958  
 McGuigan, F. J. *Experimental Psychology* Prentice Hall, 1960  
 Drever, J. *A Dictionary of Psychology* Penguin, 1952  
 University of Melbourne *Elementary Statistical Methods Notes*

**EXAMINATION:** Two three-hour papers, and assessment of laboratory note-books. Distinction and credit will be awarded on this examination where candidates show a wider and more detailed knowledge than is required of a pass candidate.

**Psychology II**

(Personality and Basic Mental Processes)

Three lectures a week, with laboratory work of nine hours a week throughout the year, as described below:—

**LECTURES—IIA:** Conceptions of personality; analysis of personality constituents; processes involved in personality formation; theoretical approaches—perceptual, field theory, psychoanalysis, learning theory; determining differences—biological, experiential, social; the impact of family and other groups; prescription of roles; the assessment of the individual.

**LABORATORY—IIB (Assessment Procedures):** Three hours a week (compulsory attendance). This part of the course is concerned with the measurement and evaluation of individual behaviour, particularly in terms of cognitive abilities, interests and attitudes, motivation and temperament traits. Direct experience will be obtained with such methods as: Interview, standardized tests, questionnaires, rating scales, and projective devices. Relevant statistical procedures will be included.

**LABORATORY—IIC (Perceptual Processes):** Three hours a week (compulsory attendance). This course deals with such questions as: Dimensions of the phenomenal world; the phenomena of perception; perceptual development and differentiation; neurophysiological factors in perception; psychophysical measurement; perception of objects and events; social perception.

**LABORATORY—SEMINAR—IID (Thinking and Language):** Three hours a week (compulsory attendance). Topics dealt with in this laboratory will be selected from the following: Basic processes involved in thinking—memory, imagination, conceptualization; communication; thinking and structure of language; language learning; thought processes in children, preliterate and disordered minds; productive thinking and problem solving.

## BOOKS :

## PRESCRIBED BOOKS

## IIA Lecture course:

Cattell, R. B. *An Introduction to Personality Study* Hutchinson's University Library, 1950

Guilford, J. P. *Personality* McGraw-Hill, 1959

## IIB Laboratory course:

Cronbach, L. J. *Essentials of Psychological Testing* 2nd ed., Harper, 1959

Guilford, J. P. *Fundamental Statistics in Psychology and Education* 3rd ed., McGraw-Hill, 1958

## IIC Laboratory in Perceptual Processes:

Osgood, C. E. *Method and Theory in Experimental Psychology* O.U.P., 1953

## IID Laboratory in Thinking and Language:

Piaget, J. *The Psychology of Intelligence* Routledge, 1951

Sluckin, W. *Minds and Machines* Pelican, 1954

Wertheimer *Productive Thinking* Harper, 1945

**EXAMINATION:** Candidates for the degree in Science will take four three-hour examinations on sections IIA, IIB, IIC and IID of this course and, in addition, laboratory work will be assessed.

Distinction and credit will be awarded on this examination where candidates show a wider and more detailed knowledge than is required of a pass candidate.

**Psychology IIIS**

(Experimental and Comparative Psychology)

Three lectures a week, with laboratory work throughout the year, treating in some detail the findings and methods of both human and animal investigations in basic processes.

**LECTURES—IIISA:** Experimental and comparative psychology. Physiological bases of behaviour and sensation, learning and maturation, theories of learning; animal learning and perception; animal studies and human behaviour; theories of perception.

**LABORATORY—IIISB:** Three hours a week (compulsory attendance). The work will centre on the use of probability, or information theory models in handling data in experiments on human skills and performance. Topics will be tracking tasks, the refractory phase, reaction time, attention and vigilance tasks, span of attention, memory, language, perceptual and response capacities.

**LABORATORY—IIISB:** (Motivation and Learning): Six hours a week (compulsory attendance). This course devotes considerable attention to laboratory methods and techniques using both human and animal subjects. Topics will be selected from: Learnable drives and rewards; emotion; animal studies of learning; human learning and retention; the psychophysiology of learning; transfer of training; learning and education.

## BOOKS :

## PRESCRIBED BOOKS

Osgood, C. E. *Method and Theory in Experimental Psychology* O.U.P., 1953

Stevens, S. S. *Handbook of Experimental Psychology* Chapman & Hall, 1951

Hilgard, E. R. *Theories of Learning* 2nd ed., Appleton-Century-Crofts, 1956

Morgan, C. T., and Stellar, E. *Physiological Psychology* McGraw-Hill, 1950

**EXAMINATION:** Examinations may be given from time to time throughout the year as sections of the work are completed. In general, there will be four three-hour examinations and, in addition, laboratory work will be assessed.

Distinction and credit will be awarded on the basis of these examinations where candidates show a wider and more detailed knowledge than is required of a pass candidate.

#### FOR THE DEGREE WITH HONOURS

Candidates for the Degree with Honours must devote their full time in fourth year to the study of psychology. The work of the honours year will consist of selected topics in psychology taken at an advanced level. There will be few formal lectures, and the work will be covered by directed reading, seminars and tutorials with laboratory work. Candidates will also be required to undertake original work on a selected research problem and to submit a report which must be satisfactory to the examiners.

Written examinations will be held from time to time throughout the year and laboratory work and research report will be assessed.

Students will be required to pass a test conducted by the Department of Psychology in translation of a scientific text from French, German or Japanese into English. Courses in science languages will be available in the Department of Modern Languages which may be attended by candidates for the Degree of Bachelor of Science. Candidates are advised to attend the course during the third year of their course so that they will be prepared to undertake the test either before they enter, or at the beginning of, their fourth year. No exemption from the test will be granted but attendance at the course is not compulsory.

#### FOR THE DEGREE OF MASTER OF SCIENCE

Candidates for the Degree of Master of Science in psychology must already hold the Degree of Bachelor of Science from an approved university with a major in psychology or have done such work in science as the Faculty may approve for admission to the Master of Science degree. The course consists of a minimum of two years full time work, the first year of which closely resembles the course for the Degree of Bachelor of Science with Honours.

Candidates will be required to pass such examinations as may be prescribed and must submit a thesis on a topic approved by the head of the department. This work will normally be carried out in the Department of Psychology but in special circumstances approval may be given to undertake part of the work elsewhere. The candidate may be required to satisfy examiners in an oral examination on the field of knowledge of his thesis.

A candidate for the Degree of Master of Science will be required to satisfy the head of the department of his knowledge of French, German or Japanese by passing a test conducted by the Department of Psychology in translation of a scientific text into English. Courses in science languages will be available in the Department of Modern Languages and candidates are advised to undertake their test at the earliest possible stage of their candidature. Exemption from the test will not be granted except to those candidates who have passed the test conducted by the department as part of the honours course for the Degree of Bachelor of Science with Honours of this University. Attendance at the course is not compulsory.

## FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will usually hold the Degree of Bachelor of Science with Honours or Bachelor of Arts with Honours, though candidates with degrees of Master of Science or Master of Arts may be admitted to the programme.

In 1962 facilities exist in the department for work towards the Degree of Doctor of Philosophy in the areas of social psychology, group dynamics, personality, counselling, development of thought processes, human learning and perception.

## DEPARTMENT OF STATISTICS

E. J. HANNAN, B.COM, MELB., PH.D. A.N.U.  
*Professor and Head of the Department*

The following units, details of which are given under the Faculty of Economics (*see* pages 148 to 150), are available as units for the Degree of Bachelor of Science:

**Statistics II****Statistics III**

## DEPARTMENT OF ZOOLOGY

J. D. SMYTH, M.A., Sc.D. DUBLIN  
*Professor and Head of the Department*

## INTRODUCTION

Zoology may be broadly defined as the study of the animal kingdom in all its aspects. It may be studied as a subject leading to a Science degree or as a pre-requisite for a professional training in medicine, veterinary science, pharmacy or agriculture. Students who proceed to a degree in zoology may find openings in school or university teaching; in biological research in hospitals, medical, veterinary or agricultural institutions, the Commonwealth Scientific and Industrial Research Organization, or in industrial firms manufacturing biological products (such as drugs and insecticides).

The field covered by zoology is wide, and the extent to which it is covered at an honours level by a university department depends on the local conditions, the facilities available, and the research interests of the staff. Interests in this Department chiefly centre around the physiology of invertebrates, parasitology, fresh-water biology, histochemistry and ecology.

Modern zoology uses many of the tools and techniques developed by the biochemists, the biophysicists and the physiologists, and it is important therefore that students reading zoology should have studied at least chemistry, and preferably physics as well, to a reasonable level, at school.

The first-year course is aimed to provide a general zoological background. It deals with the structure and physiology of selected animal types as exemplified by study of the living organisms, by dissection and by examination of microscopic preparations. It also deals with the variety of organisms in the animal kingdom, and the principles underlying their embryonic development, heredity and evolution. The practical work covers a range of organisms and techniques.

The second-year and third-year courses consist of the systematic zoology of the invertebrate and vertebrate phyla, together with specialized courses selected from animal ecology, cell physiology, comparative physiology, general zoology, developmental biology, fresh-water biology, microtomical technique, cytology and genetics.

Students normally take a pass degree at the end of three years. An honours degree requires a further year's work, involving special reading, field work and project work. Postgraduate research facilities for higher degrees are available in a number of specialized fields (*see* page 208).

### FOR THE PASS DEGREE

#### Zoology I

Three lectures a week with laboratory work throughout the year.

**SYLLABUS:** An introduction to animal biology; structure and physiology of cells; general physiology of multicellular organisms; nutrition, digestion, metabolism; respiration; excretion, integration (nervous and endocrine systems), reproduction; cell division; the chromosomes in mitosis and meiosis; gamete formation and fertilization, elementary genetics (Mendelian ratios, linkage and crossing over, inheritance of the blood groups in man); sex determination; development of the amphibian and bird embryos (cleavage, gastrulation and organ formation); classification of animals; the invertebrate phyla; outline of the comparative anatomy of vertebrates; the theory of evolution and the evidence for it; modern work on the mechanism of evolution and speciation.

**LABORATORY:** Four hours a week, together with field work and excursions as arranged. Students must provide themselves with: A set of approved dissecting instruments (details of these available from the Zoology Department); a note book; a drawing book; a set of coloured pencils; drawing pencils; a fine paint brush.

#### BOOKS:

##### PRELIMINARY READING

Simpson, G. G., Pittendrigh, C. S., and Tiffany, L. H. *Life, An Introduction to Biology* Harcourt Brace

##### PRESCRIBED BOOKS

either \*Moore, J. A. *Principles of Zoology* O.U.P.

or \*Guthrie, M. J., and Anderson, J. M. *General Zoology* Wiley

\*Grove, A. J., and Newell, G. E. *Animal Biology* Univ. Tut. Press

##### LABORATORY MANUALS

\*Rowett, H. C. Q. *Dissection Guides; II, The Dogfish* John Murray

\*Rowett, H. C. Q. *The Rat as a Small Mammal* John Murray

\*Whitehouse, R. H., and Grove, A. J. *Manual of Practical Chordate Embryology* Univ. Tut. Press

**EXAMINATION:** One three-hour written paper; one three-hour practical test.

\* Students are strongly urged to purchase these texts.

**Zoology II**

Four lectures a week with tutorials, laboratory work and field work throughout the year.

**SYLLABUS:** Systematic zoology; invertebrate and vertebrate zoology is studied in alternate years. In 1962, the Invertebrata will be covered, together with: cell physiology, cytological and histochemical technique, animal ecology, general zoology.

**LABORATORY:** Eight hours a week, together with field work and excursions arranged. Students are expected to attend at least one major excursion.

**BOOKS:**

## PRELIMINARY READING

- Scientific American *The Physics and Chemistry of Life* Simon & Schuster  
 \*Gutrie, M. J., and Anderson, J. M. *General Zoology* Wiley

## PRESCRIBED BOOKS

- \*Giese, A. C. *Cell Physiology* Saunders  
 \*McElroy, W. D. *Cellular Physiology and Biochemistry* Prentice-Hall  
 \*Pantin, C. F. A. *Microscopical Technique for Zoologists* C.U.P.  
 Pearse, A. G. E. *Histochemistry* Churchill  
 Baker, J. R. *Principles of Biological Microtechnique* Methuen  
 Macan, T. T. *A Guide to Freshwater Invertebrate Animals* Collins  
 Odum, E. P. *Fundamentals of Ecology* Wiley  
 Invertebrate Zoology† (In 1962)  
 \*Borradaile, L. A., Potts, F. A., Eastman, L. E. S., and Saunders, J. T. *The Invertebrata* C.U.P.  
 Imms, A. D. *Outlines of Entomology* Methuen  
 Smyth, J. D. *Introduction to Animal Parasitology* Eng. Univ. Press  
 Vertebrate Zoology† (In 1963)  
 \*Young, J. Z. *The Life of Vertebrates* O.U.P.  
 \*Saunders, J. T., and Manton, S. M. *A Manual of Practical Vertebrate Morphology* C.U.P.  
 \*Romer, A. S. *The Vertebrate Body* Saunders

## REFERENCE BOOKS

A list is obtainable, on request, from the Department of Zoology.

**EXAMINATION:** Three three-hour written papers. One practical examination, together with project work. Additional practical tests may be given if laboratory work throughout the year is not satisfactory.

**Zoology III**

Chemistry I must be passed before this unit is taken.

Four lectures a week, with laboratory work and field work throughout the year.

**SYLLABUS:** Systematic zoology; invertebrate and vertebrate zoology is studied in alternate years. In 1962, the invertebrata will be covered. Additional courses will be selected from the following: Comparative physiology, developmental biology, genetics, evolutionary theory, general zoology.

\* Students are strongly urged to purchase these texts.  
 † Studied in alternate years.

## BOOKS:

## PRESCRIBED BOOKS

- \*Scheer, B. T. *Comparative Physiology* John Wiley  
 \*Raven, C. P. *An Outline of Developmental Physiology* McGraw-Hill  
 \*Begg, C. M. *Introduction to Genetics* Eng. Univ. Press  
 Invertebrate Zoology† (In 1962)  
 \*Booradaile, L. A., Potts, F. A., Eastham, L. E. S., and Saunders, J. T. *The Invertebrata* C.U.P.  
 Imms, A. D. *Outlines of Entomology* Methuen  
 Smyth, J. D. *Introduction to Animal Parasitology* Eng. Univ. Press  
 Vertebrate Zoology† (In 1963)  
 Young, J. Z. *The Life of Vertebrates* O.U.P.  
 \*Saunders, J. T., and Manton, S.M. *A Manual of Practical Vertebrate Morphology* C.U.P.  
 \*Romer, A. S. *The Vertebrate Body* Saunders

## REFERENCE BOOKS

A list is obtainable, on request, from the Department of Zoology.

EXAMINATION: Four three-hour papers, one of which may be taken at the end of the Second Term. One practical examination, together with project work. Additional practical tests may be given if laboratory work throughout the year is not satisfactory.

## FOR THE DEGREE WITH HONOURS

Students who have attained a sufficient standard in the first three years of the course may be admitted to the fourth (honours) year. In this fourth year the work will consist of selected topics in zoology taken to an advanced level. This work will be covered by a special reading course, together with tutorials, laboratory work and field work. A special project of a practical nature, on which a candidate is expected to provide a written report, may be given.

Students will be required to pass a test conducted by the Department of Zoology in translation of a scientific text from German, French or Russian into English. Courses in science languages will be available in the Department of Modern Languages which may be attended by candidates for the Degree of Bachelor of Science. Candidates are advised to attend the course during the third year of their course so that they will be prepared to undertake the test either before they enter, or at the beginning of, their fourth year. No exemptions from the test will be granted but attendance at the course is not compulsory.

## FOR THE DEGREE OF MASTER OF SCIENCE

Candidates for the Degree of Master of Science are required to undertake research in an approved field and produce a detailed report on the work carried out. The work shall normally be carried out in the Department of Zoology, but in special circumstances approval may be given to undertake part of the work elsewhere. Candidates whose theoretical or practical background has not reached the required level, may be required to undergo such additional written or practical tests as are specified by the head of the department.

\* Students are strongly urged to purchase these texts.

† Studied in alternate years.



A candidate for the Degree of Master of Science will be required to satisfy the Head of the Department of his knowledge of German, French or Russian by passing a test conducted by the Department of Zoology in translation of a scientific text into English. Courses in Science languages will be available in the Department of Modern Languages and candidates are advised to undertake their test at the earliest possible stage of their candidature. Exemption from the test will not be granted except to those candidates who have passed the test conducted by the Department as part of the honours course for the Degree of Bachelor of Science with Honours of this University. Attendance at the course is not compulsory.

### FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will usually hold the Degree of Bachelor of Science with Honours.

In 1962, research facilities in the fields of parasitology, invertebrate physiology, histochemistry, freshwater biology and entomology will be available.

## SCIENCE LANGUAGES

A candidate for the Degree of Bachelor of Science with Honours must pass an examination in a science language approved by the head of the department. No exemption will be granted.

A candidate for the Degree of Master of Science must pass an examination in a science language approved by the head of the department. Exemption will only be given to candidates who have passed a science language examination at this University.

Details of courses available are given below.

### Science German

Two classes a week and written exercises throughout the year.

**SYLLABUS:** Basic German grammar and syntax, practice in translating scientific texts.

The course presumes no previous knowledge of the language.

#### BOOKS:

##### PRESCRIBED BOOKS

Rosenberg, A., and Horwood, E. K. *German for Science Students* Cheshire, 1953

One of the following dictionaries:—

De Vries, L. *German-English Science Dictionary* McGraw-Hill  
or Patterson, A. M. *German-English Dictionary for Chemists* John Wiley  
or Klatt, E. (ed.) *Pocket Dictionary* Rev. ed., Langenscheidt, 1951

**EXAMINATION:** One three-hour paper. Exercises during the year.

**Science Russian**

Two classes a week and written exercises throughout the year. Students will be issued with introductory notes at the time of enrolment. These should be mastered before lectures begin.

**SYLLABUS:** Basic Russian grammar and syntax, scientific word-formation and idiom, practice in translating scientific texts.

The course presumes no previous knowledge of the language.

**BOOKS:**

## PRESCRIBED BOOKS

Buxton, C. R., and Jackson, H. S. *Translation from Russian for Scientists*  
Blackie

Smirnitsky, A. I. *Russko-Angliyski Slovar* Moscow

Additional duplicated material will be issued by the Department.

**EXAMINATION:** One three-hour paper. Exercises during the year.

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## *Degree Rules*

### COURSES OF STUDY (DEGREE OF BACHELOR OF SCIENCE) RULES

1. In these Rules, unless the contrary intention appears, "the Faculty" means the Faculty of Science.

2. The Degree of Bachelor of Science may be conferred as a Pass Degree or as a Degree with Honours.

#### THE PASS DEGREE

3. A candidate for the Pass Degree of Bachelor of Science shall—

(a) have matriculated or been admitted to provisional matriculation before he commences the course for the degree; and

(b) pursue his studies for at least three years and comply with the provisions of these Rules.

4. The units for the Pass Degree for the first, second and third years of the course shall be those set out in the following groups:

*Group I:* Applied Mathematics I  
 Botany I  
 Chemistry I  
 Geology I  
 Physics I  
 Psychology I  
 Pure Mathematics I  
 Zoology I

*Group II:* Applied Mathematics II  
 Botany II  
 Chemistry II  
 Geology II  
 Physics II  
 Psychology II  
 Pure Mathematics II  
 Statistics II  
 Zoology II

*Group III:* Applied Mathematics III  
 Botany III  
 Chemistry IIIA  
 Chemistry IIIB  
 Geology III  
 Physics III  
 Psychology III  
 Pure Mathematics III  
 Statistics III  
 Theoretical Physics  
 Zoology III

5. A candidate may be permitted, with the concurrence of the head of the department concerned, to substitute for a part of a unit a part of another unit.

6. A candidate shall pursue his course subject to the following conditions:—
- (a) The selection of units by a candidate and the years of his course in which they are to be taken shall be approved by the Faculty and any subsequent alterations in the course so approved shall also be approved by the Faculty.
  - (b) A course shall not be approved by the Faculty unless it contains at least one experimental science subject taken through a sequence of two units.
  - (c) A candidate may not take the second year unit of a subject before he has passed the first year unit of that subject, or the third year unit of a subject before he has passed the second year unit of that subject, except for the unit Statistics II which a candidate may take without having passed in Statistics I.
  - (d) Except with the permission of the Faculty or as otherwise provided by these Rules, a candidate may not take a unit without having passed any appropriate prerequisite unit as set out in the following table:—

Unit.	Prerequisites.
Botany III	.. Chemistry I
Chemistry II	.. Physics I and Pure Mathematics I
Statistics II	.. Pure Mathematics I
Statistics III	.. Pure Mathematics II
Theoretical Physics..	Physics II and <i>either</i> Pure Mathematics II <i>or</i> Applied Mathematics II
Zoology III	.. Chemistry I

7. (1) To complete the first year of his course, a candidate shall—
- (a) complete the course of study (including any practical work specified by the head of the department concerned) and pass examinations in four units from Group I in accordance with his approved course; or
  - (b) be passed by the Faculty in the year as a whole.
- (2) In awarding a pass in the year as a whole, the Faculty shall take into account the candidate's performance in all units.
- (3) A candidate passed by the Faculty in a year as a whole who has not passed in any particular unit shall not be recorded as having passed in that unit or be permitted to proceed to the second year unit of that subject, but may, with the approval of the head of the department concerned, be allowed to proceed with other units of a later year in the course for which a pass in that unit is a prerequisite.
8. To complete the second year of his course, a candidate shall complete the course of study (including any practical work specified by the head of the department concerned) and pass examinations in not less than two units from Group II in accordance with his approved course.
9. To complete the third year of his course, a candidate shall complete the course of study (including any practical work specified by the head of the department concerned) and pass examinations in two units from Group III in accordance with his approved course.

9A. Except with the approval of the Faculty, a candidate shall not be admitted to the degree unless he has completed the requirement of the course for the degree within a period of eight years from the beginning of the academic year in which he passed the first unit of his course.

10. The performance of a candidate in the various units of the course for the Degree of Bachelor of Science shall be classified as "pass with distinction", "pass with credit", "pass" or "fail".

11. (1) Subject to this rule, a candidate who fails to complete in any year his approved course shall not proceed to the next year of the course.

(2) Such a candidate may retain credit towards his degree for all units passed by him but must rearrange the remaining units of his course to the satisfaction of the Faculty.

(3) Except with the approval of the Faculty, a candidate referred to in sub-rule (1) of this rule may not take the second year unit of any subject until he has been credited towards the degree with passes in three units from Group I.

12. Subject to the preceding provisions of these Rules, a candidate may be admitted to the Pass Degree of Bachelor of Science who has completed the first, second and third years of his course as provided in rules 7, 8 and 9 of these Rules.

#### THE DEGREE WITH HONOURS

13. A candidate for the Degree of Bachelor of Science with Honours may specialize in any one of the following subjects:—

Botany  
Chemistry  
Geology  
Mathematics  
Physics  
Psychology  
Zoology.

14. Honours shall be awarded in two classes, first class or second class.

15. (1) The course for the Degree with Honours shall extend over one academic year of ten months of full-time study, shall consist of such work as the head of the department concerned may direct and may include any of the units prescribed for the Pass Degree.

(2) Except with the approval of the Faculty, the course for the Degree with Honours shall be continuous with the course for the Pass Degree.

16. (1) A candidate is eligible to enrol for the Degree with Honours if—

(a) he has completed the requirements for the Pass Degree of Bachelor of Science and has reached a standard in the third year unit of the subject in which he proposes to specialize that, in the opinion of the Faculty, acting on the recommendation of the head of the department concerned, is satisfactory; or

(b) he has been admitted to equivalent status towards the degree.

(2) Except with the approval of the Faculty, a candidate shall be deemed not to have reached a satisfactory standard in a unit for the purpose of paragraph (a) of the last preceding sub-rule unless he has attained at least a credit in the third year unit of the subject in which he proposes to specialize.

17. In order to qualify for the Degree of Bachelor of Science with Honours, a candidate shall be required to pass such examinations and reach such standard in other required work as the Faculty, on the recommendation of the head of the department concerned, directs.

A candidate for the Degree of Bachelor of Science with Honours is required to satisfy the head of the department concerned of his knowledge of a scientific language as prescribed by the head of that department.

18. Except with the approval of the Faculty, a candidate who, during a year, is pursuing the course for the Degree with Honours may not enrol in that year for any unit, or for any degree or diploma course, in the University other than a unit forming part of the course for that degree.

19. A candidate who fails to qualify for the Degree with Honours may be admitted to the Pass Degree.

20. Except with the approval of the Faculty, a candidate who has enrolled for the degree with honours and fails to qualify for that degree shall not be permitted to re-enrol for that degree.

#### COURSES OF STUDY (DEGREE OF MASTER OF SCIENCE) RULES

1. In these Rules, unless the contrary intention appears, "the Faculty" means the Faculty of Science.

2. A candidate for the Degree of Master of Science shall pursue a course of research in Botany, Chemistry, Geology, Mathematics, Physics, Psychology, Zoology or such other subject as the Faculty approves.

3. (1) A candidate shall be eligible to enrol for the degree if—

(a) he has qualified for the Pass Degree of Bachelor of Science or has been granted equivalent status by the Faculty; or

(b) he has qualified for the Degree of Bachelor of Science with Honours or has been granted equivalent status by the Faculty.

(2) A candidate referred to in paragraph (a) of the last preceding sub-rule shall pursue a course of research extending over at least two years.

(3) A candidate referred to in paragraph (b) of sub-rule (1) of this rule shall pursue a course of research extending over at least one year.

4. A candidate shall, before enrolling for the degree, obtain the approval of the head of the department concerned for his proposed course of research.

5. The research shall be carried out in the University under the supervision of a person appointed by the head of the department concerned, unless the Faculty, on the recommendation of the head of that department, otherwise permits.

6. A candidate shall enrol for any unit or for any degree or diploma course in the University specified by the head of the department concerned, but shall not, except with the approval of the Faculty, enrol for any other unit or for any other degree or diploma course.

7. Except with the approval of the Faculty, a candidate who is required, under sub-rule (2) of rule 3 of these Rules, to pursue a course of research extending over at least two years shall complete the requirements of the course within four consecutive years.

8. Except with the approval of the Faculty, a candidate who is required, under sub-rule (3) of rule 3 of these Rules, to pursue a course of research extending over at least one year, shall complete the requirements of the course within two consecutive years.

9. A candidate shall—

- (a) submit for examination a thesis embodying a description and the results of the research carried out by him on a subject previously approved by the head of the department concerned;
- (b) pass an examination in any unit or course specified in accordance with rule 6 of these Rules by the head of the department concerned;
- (c) satisfy the head of the department concerned of his knowledge of a scientific language as prescribed by the head of that department; and
- (d) undergo such further examination, whether by written paper or otherwise, as the head of the department concerned determines.

10. The thesis submitted by a candidate shall be referred to at least two examiners, of whom at least one shall be an examiner who is not a member of the academic staff of the University, and the candidate may be called upon to submit himself to an oral examination on the subject of his thesis.

11. A candidate who complies satisfactorily with the requirements of these Rules and whose thesis is judged by the Faculty, in the light of the examiners' reports, to be of sufficient merit, may be admitted to the Degree of Master of Science.

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# OFFICERS AND STAFF

## OFFICERS OF THE UNIVERSITY

### Chancellor

Sir John COCKCROFT, O.M., K.C.B., C.B.E., M.A., Ph.D. (Cantab.), M.Sc. Tech. (Manchester), Hon. D.Sc. (Oxon., London, Syd., A.N.U., Leeds, Birmingham and Leicester), Hon. LL.D. (Toronto, Glasgow, Melb. and St. Andrews), Hon. Sc.D. (Dublin and Cantab.), M.I.E.E., F.Inst.P., F.R.S.

### Pro-Chancellor

H. C. COOMBS, M.A., Hon. D.Litt. (W. Aust.), Ph.D. (London), Hon. LL.D. (Melb.)

### Vice-Chancellor

Professor L. G. H. HUXLEY, M.A., D.Phil. (Oxon.), Ph.D. (Adel.), F.Inst.P., F.A.A.

### Deputy Vice-Chancellor

Emeritus Professor A. D. TRENDALL, C.M.G., K.C.S.G., M.A. (Cantab.), Litt.D. (N.Z.), Hon. Litt.D. (Melb.), Hon. D.Litt. (Adel.), F.S.A.

### Registrar

R. A. HOHNEN, B.Ec. (Syd.)

### Librarian

J. J. GRANEEK, B.A. (Liverpool), M.A. (Birmingham)

### Bursar

W. S. HAMILTON, A.A.U.Q., F.A.S.A.

## STAFF OF THE SCHOOL OF GENERAL STUDIES\*

### Principal

Professor H. BURTON, B.A. (Q'ld.), M.A. (Oxon. and Melb.)

### Registrar

T. M. OWEN, B.Com. (Melb.), F.A.S.A.

## FACULTY OF ARTS

*Dean:* Professor C. M. H. CLARK

*Sub-Dean:* Dr. E. C. FRY

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\* The part-time members of staff held appointments in 1961.



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*Professor:*

R. St. C. JOHNSON, M.A., Dip.Ed. (Syd.)

*Senior Lecturer:*

K. L. MCKAY, B.A. (Syd.), M.A. (Cantab.)

*Lecturers:*

E. L. BURGE, B.A. (Q'ld. and Oxon.)  
G. W. CLARKE, M.A. (N.Z.), B.A. (Oxon.)  
R. R. DYER, M.A. (N.Z.)

**English**

*Professor:*

A. D. HOPE, B.A. (Syd. and Oxon.)

*Associate Professor (Australian Literature):*

T. INGLIS MOORE, O.B.E., B.A. (Syd.), M.A. (Oxon.)

*Senior Lecturers:*

R. F. BRISSENDEN, M.A. (Syd.), Ph.D. (Leeds) (on leave in 1962)  
G. K. W. JOHNSTON, M.A. (N.Z.), B.A. (Oxon.)

*Lecturers:*

A. Hope HEWITT, M.A. (Syd.), B.Com. (Melb.)  
E. L. JONES, M.A. (Melb.), A.M. (Stanford)  
W. S. RAMSON, M.A. (N.Z.)  
F. H. LANGMAN, B.A. (Witwatersrand)

*Part-time Tutor:*

J. T. LAIRD, M.A. (Syd.)

**History**

*Professor:*

C. M. H. CLARK, M.A. (Melb.)

*Senior Lecturers:*

D. W. A. BAKER, M.A. (Melb.)  
E. C. FRY, B.A., B.Ec., Dip.Ed. (Syd.), Ph.D. (A.N.U.)

*Lecturers:*

G. F. FAIRBAIRN, B.A. (Cantab.)  
T. L. L. SUTTON, M.A. (Syd.), Ph.D. (A.N.U.)

*Temporary Lecturer:*

B. E. KENT, B.A. (Melb. and Oxon.)

*Tutor:*

Martha D. RUTLEDGE, B.A. (Syd.)

*Research Assistant:*

Barbara PENNY, M.A. (Melb.)

**Mathematics**

*Professor:*

A. BROWN, M.A. (Glasgow), Ph.D. (Cantab.)

*Associate Professor:*

R. F. E. VAN DER BORGHT, D.Sc. (Louvain)

*Senior Lecturers:*

J. E. DRUMMOND, M.Sc. (N.Z.), B.A. (Cantab.)

J. B. MILLER, B.Sc. (Syd.), M.A. (Cantab.), Ph.D. (N.E.) (on leave in 1962)

*Lecturers:*

A. J. FABENS, A.B. (Harvard), Ph.D. (Stanford)

A. R. JONES, M.A., Ph.D. (Melb.)

M. F. NEWMAN, M.Sc. (Syd.), Ph.D. (Manchester)

**Modern Languages**

*Professor and Head of Department:*

D. P. SCALES, B.A. (Syd.), D. de l'U. (Paris)

*Associate Professor (German):*

E. K. T. KOCH-EMMERY, M.A. (Adel. and Melb.), Ph.D. (Vienna and Rome)

*Associate Professor (Russian):*

T. H. R. RIGBY, M.A. (Melb.), Ph.D. (London)

*Senior Lecturer:*

K. V. SINCLAIR, M.A. (N.Z.), Dip. Phon., L. ès L., D. de l'U. (Paris), D.Phil. (Oxon.) (French)

*Lecturer:*

Tatjana CIZOVA, B.A. (Syd. and London), Dip. Slav. Stud. (Oxon.) (Russian)

Myra M. GRANEEK, M.A. (Birmingham) (German)

P. R. IRELAND, B.A. (Cantab.) (Russian)

Margaret J. STOLJAR, M.A. (Melb.) (German)

J. H. TISCH-WACKERNAGEL, Ph.D. (Basle) (German)

Ethel E. TORY, B.A., Dip.Ed. (W. Aust.), D. de l'U. (Paris) (French)

*Temporary Lecturer:*

J. GAPANOVICH, B.A., C.Hist. (St. Petersburg) (Russian)

*Senior Tutor:*

J. A. GRIEVE, B.A. (Belfast) (French)

*Part-time Lecturers:*

Dymphna CLARK, B.A. (Melb.) (German)

H. KAULLA, Ph.D. (Munich) (Science German)

*Part-time Tutor:*

Françoise M. ARUNDEL (French)

**Oriental Studies***Professor (Chinese Language):*

N. G. D. MALMQVIST, fil.lic. (Stockholm)

*Professor (Oriental Civilization):**Associate Professor (Chinese):*

L. WANG, B.A. (Nanking), Ph.D. (Cantab.) (Chinese)

*Associate Professor (Japanese):*

Joyce I. ACKROYD, B.A., Dip.Ed. (Syd.), Ph.D. (Cantab.)

*Associate Professor (Oriental Civilization):*

O. B. VAN DER SPRENKEL, B.Sc.(Econ.) (London)

*Senior Lecturers:*

R. L. BACKUS, M.A. (California) (from July 1962) (Japanese)

A. H. JOHNS, B.A., Ph.D. (London) (Indonesian Languages)

SOEBARDI, M.A. (Indonesia) (Indonesian and Javanese)

*Lecturers:*

K. M. ACHDIAT (Bahasa Indonesia)

H. H. LOOFS, Ph.D. (Fribourg), Dip.Or.Lang. (Paris) (Oriental Civilization)

I. DE RACHEWILTZ, Dip.Or. Inst. (Naples), Ph.D. (A.N.U.) (Oriental Civilization)

*Senior Tutors:*

Svetlana DYER (Chinese)

T. ITO, M.A. (Keio) (Japanese)

*Tutor:*

Ning-tsu MALMQVIST (Chinese)

*Research Assistant:*

Ines A. DE RACHEWILTZ, B.A. (Melb.)

*Part-time Tutor:*

Fumika A. CLIFFORD (Japanese)

**Philosophy***Professor:*

K. E. M. BAIER, M.A. (Melb.), D.Phil. (Oxon.)

*Associate Professor:*

Q. B. GIBSON, B.A. (Melb.), M.A. (Oxon.)

*Senior Lecturers:*

B. S. BENJAMIN, B.A. (Melb.), B.Phil. (Oxon.)

R. D. BRADLEY, M.A. (N.Z.), Ph.D. (A.N.U.)

G. SCHLESINGER, B.Sc. (London), Ph.D. (Melb.)

**Political Science**

(See under Faculty of Economics)

**Psychology**

*Professor:*

C. A. GIBB, M.A., B.Ec. (Syd.), Ph.D. (Illinois), F.B.Ps.S. (on leave in 1962)

*Associate Professor and Student Counsellor:*

P. PENTONY, M.A. (W. Aust.)

*Senior Lecturers:*

Margaret R. MIDDLETON, M.A. (Melb.), Ph.D. (W. Aust.)

G. N. SEAGRIM, B.A. (London), M.Sc. (Melb.)

*Lecturer:*

D. M. TAYLOR, B.A. (Oxon.)

J. S. WESTERN, M.A., Dip.Soc. Stud. (Melb.), Ph.D. (Columbia)

*Senior Demonstrator:*

M. L. COOK, B.Sc. (Manchester)

*Demonstrators:*

Beryl M. HUME, B.A., Dip.Ed. (Adel.)

*Research Assistant:*

Ethel M. ANDREW, B.A. (Q'ld.)

FACULTY OF ECONOMICS

*Dean:* Professor B. D. CAMERON.

*Sub-Dean:* Dr. K. SLOANE

**Economics**

*Professor and Head of Department:*

H. W. ARNDT, M.A., B.Litt. (Oxon.)

*Professor (Applied Economics):*

B. D. CAMERON, M.Ec. (Syd.), Ph.D. (Cantab.)

*Senior Lecturers:*

R. O. HIESER, M.Ec. (Adel.), Ph.D. (A.N.U.), F.A.S.A.

J. D. PITCHFORD, M.Com. (Tas), Ph.D. (A.N.U.)

A. J. ROSE, M.A. (N.Z.) (Geography)

*Lecturers:*

J. G. HEAD, B.Ec. (Adel.), B.Phil. (Oxon.)

G. M. NEUTZE, M.Agr.Sc. (N.Z.), D.Phil. (Oxon.)

K. SLOANE, B.Ec. (Q'ld.), Ph.D. (Duke)

*Research Assistants:*

Laura M. HODAN, B.A. (Adel.)

Jill I. PERTOLDI, B.Ec. (Adel.)

*Part-time Lecturers:*

- D. G. DUNLOP, B.Com. (Melb.), Dip.Pub.Admin. (Syd.), F.A.S.A.,  
 A.C.A.A., F.C.I.S.  
 P. J. HORGAN, B.Com. (Melb.)  
 R. C. OLSSON, B.Ec., M.B.A. (Syd.), Ph.D. (New York)  
 \*T. M. OWEN, B.Com. (Melb.), F.A.S.A.

*Part-time Tutors:*

- R. W. ARCHER, B.A. (Syd.)  
 J. S. H. HUNTER, M.Com. (Melb.), M.A. (Princeton)  
 F. G. H. POOLEY, M.A. (Exeter)  
 A. H. ROWE, M.Sc.(Econ.) (London)

**Economic History**

*Professor and Head of Department:*

- G. S. L. TUCKER, B.Com. (Melb.), Ph.D. (Cantab.)

*Professor:*

- †H. BURTON, B.A. (Q'ld.), M.A. (Oxon. and Melb.)

*Senior Lecturer:*

- C. FORSTER, B.Com. (Melb.), Ph.D. (A.N.U.)

*Lecturer:*

- N. G. CAIN, B.Com. (Melb.) (from August 1962)

**Political Science**

*Professor:*

- L. F. CRISP, M.A. (Oxon, and Adel.)

*Associate Professor:*

- B. D. BEDDIE, B.A. (Syd.)

*Senior Lecturers:*

- D. C. CORBETT, M.A. (Toronto), Ph.D. (McGill)  
 S. ENCEL, M.A., Ph.D. (Melb.)  
 L. J. HUME, M.Ec. (Syd.), Ph.D. (London)

*Lecturers:*

- J. H. GRAINGER, M.A. (Cantab.)  
 Katharine O. HOLGATE, B.A. (Melb.)  
 I. F. H. WILSON, B.A. (Melb.), M.I.A. (Columbia)

**Statistics**

*Professor:*

- E. J. HANNAN, B.Com. (Melb.), Ph.D. (A.N.U)

*Senior Lecturer:*

- C. R. HEATHCOTE, B.A. (W.Aust.), M.A. (Melb.), Ph.D. (A.N.U.)  
 (from September 1962)

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\* Also Registrar of the School of General Studies.  
 † Also Principal of the School of General Studies.

*Lecturer:*

W. J. EWENS, M.A. (Melb.)  
P. WINER, B.Sc. (Witwatersrand)

*Senior Tutor:*

Barbara A. ELLIOTT, B.Com. (Melb.)  
J. H. T. MORGAN, B.A. (Cantab.)

*Part-time Lecturers:*

L. G. HOPKINS, O.B.E., B.E. (Q'ld.), M.A. (Oxon.)  
E. J. WILLIAMS, B.Com. (Tas.), D.Sc. (Melb.)

## FACULTY OF LAW

*Dean:* Professor J. E. RICHARDSON

*Sub-Dean:* Mr. H. TARLO

*Robert Garran Professor:*

J. E. RICHARDSON, B.A., LL.M. (Melb.), Barrister and Solicitor (Vic.)

*Professor:**Senior Lecturers:*

K. C. T. SUTTON, B.A., LL.M. (N.Z.), Ph.D. (Melb.), Barrister and  
Solicitor (N.Z.)  
H. TARLO, M.A., LL.B. (Dublin), Barrister and Solicitor (Vic.)  
L. R. ZINES, LL.B. (Syd.), LL.M. (Harvard), Barrister-at-Law  
(N.S.W.)

*Lecturer:*

A. D. HAMBLY, LL.B. (Melb.)

*Part-time Lecturers:*

P. BRAZIL, B.A., LL.B. (Q'ld.)  
F. E. DUBOUT, LL.B. (Melb.)  
Judith A. NICHOLSON, LL.B. (Melb.)  
B. J. O'DONOVAN, LL.B. (Melb.)  
D. W. SMITH, B.Com., LL.B. (Melb.)

## FACULTY OF SCIENCE

*Dean:* Professor J. D. SMYTH

*Sub-Dean:* Dr. W. L. NICHOLAS

**Botany***Professor:*

L. D. PRYOR, D.Sc. (Adel.)

*Senior Lecturer:*

D. M. PATON, B.Sc., Ph.D. (Tas.)

*Lecturers:*

E. G. BRITAIN, B.Sc., Ph.D. (Melb.)  
O. R. BYRNE, B.Sc. (Q'ld.) (Genetics)  
G. A. CHILVERS, B.Sc.Agr. (Syd.)

*Temporary Lecturer:*

E. GAUBA, Ph.D. (Vienna)

*Part-time Lecturers:*

C. D. HAMILTON, B.Sc. (W.Aust.)

J. B. LANGRIDGE, B.Sc., M.Sc. (N.Z.), Ph.D. (Adel.)

C. J. SHEPHERD, B.A., Ph.D. (Cantab.)

*Part-time Demonstrator:*

Ann GIBSON, B.Sc. (Syd.)

**Chemistry***Professor:*

A. N. HAMBLY, M.Sc., Dip.Ed. (Melb), F.R.A.C.I.

*Senior Lecturers:*J. H. BRADBURY, M.Sc. (Melb.), Ph.D. (Birmingham), F.R.A.C.I.  
(Physical Chemistry)

W. D. CROW, M.Sc. (Syd.), Ph.D. (Sheffield) (Organic Chemistry)

*Lecturers:*

R. F. C. BROWN, M.Sc. (Syd.), Ph.D. (Cantab.) (Organic Chemistry)

Naida S. GILL, M.Sc., Ph.D. (Syd.) (Inorganic Chemistry)

L. L. HAWES, Jr., B.Sc. (New Mexico Inst. Mining & Tech.),  
A.R.A.C.I. (Inorganic Chemistry)

R. N. WARRENER, M.Sc. (Syd.), Ph.D. (N.S.W.) (General Chemistry)

*Senior Demonstrators:*

G. F. KOLAR, B.Sc. (Tas.)

Marie L. TONNET, B.Sc. (Syd.)

*Research Assistant:*

B. V. O'GRADY, B.Sc. (W. Aust.)

*Part-time Demonstrators:*

J. H. HODGKIN, B.Sc. (W. Aust.)

T. E. MCDERMOTT, B.Sc. (Syd.)

G. H. SEARLE, M.Sc. (N.Z.)

**Geology***Professor:*

D. A. BROWN, M.Sc. (N.Z.), Ph.D., D.I.C. (London)

*Senior Lecturers:*

K. S. W. CAMPBELL, M.Sc., Ph.D. (Q'ld.)

A. J. R. WHITE, B.Sc. (Adel.), Ph.D. (London)

*Lecturers:*

B. W. CHAPPELL, M.Sc. (N.E.)

K. A. W. CROOK, M.Sc. (Syd.), Ph.D. (N.E.)

K. L. WILLIAMS, M.Sc. (N.E.)

*Senior Demonstrator:*

J. J. A. TAYLOR, B.Sc. (London)

*Part-time Demonstrator:*

E. G. WILSON, B.Sc. (Q'ld.)

**Mathematics**

(See under Faculty of Arts)

**Physics**

*Professor:*

D. N. F. DUNBAR, M.Sc. (N.Z.), Ph.D. (Melb.)

*Senior Lecturers:*

G. J. AITCHISON, M.Sc., Ph.D. (Adel.)

L. O. BROWN, M.Sc. (N.Z.), Ph.D. (Edinburgh)

A. J. MORTLOCK, M.Sc. (Syd.), Ph.D. (Reading)

*Lecturer:*

M. M. GORE, B.Sc., Ph.D. (Leeds)

*Senior Demonstrators:*

R. W. N. KINNEAR, M.Sc. (N.Z.)

J. F. WILLIAMS, B.Sc., Dip.Ed. (N.E.)

*Part-time Demonstrators:*

D. K. GIBSON, B.Sc. (Melb.)

A. G. GREGORY, B.Sc. (Exeter)

**Psychology**

(See under Faculty of Arts)

**Zoology**

*Professor:*

J. D. SMYTH, M.A., Sc.D. (Dublin)

*Senior Lecturers:*

W. L. NICHOLAS, B.Sc., Ph.D. (Liverpool)

R. D. HUGHES, B.Sc., Ph.D., D.I.C. (London), A.R.C.S. (from July 1962)

*Lecturers:*

R. E. BARWICK, M.Sc. (N.Z.)

J. A. CLEGG, B.Sc., Ph.D. (London)

C. H. TYNDALE-BISCOE, M.Sc. (N.Z.)

A. H. WEATHERLEY, B.Sc. (Syd.), M.Sc. (Tas.), Ph.D. (Glasgow)

*Temporary Lecturer:*

Patricia A. WOOLLEY, B.Sc. (W. Aust.)

*Senior Demonstrator:*

N. N. TAIT, B.Sc. (Syd.)



*Research Assistant:*

Patricia K. STEER

*Part-time Lecturer:*

Patricia E. BARNARD, B.Sc. (Syd.)

DEPARTMENT OF ADULT EDUCATION

*Resident Staff Tutor:*

B. H. CREW, B.A., Dip.Ed. (Q'ld.)

GENERAL STUDIES LIBRARY

*Associate Librarian:*

Clare CAMPBELL SMITH, B.A., Dip.Ed. (Tas.)

*Assistant Librarian (Reference):*

Dorothy M. LEAPER, B.A. (Melb.), A.L.A.

*Assistant Librarian (Science Library):*

Cynthia M. JAMES, B.A. (Melb.)

BRUCE HALL

*Warden:*

W. P. PACKARD, M.A. (N.Z.)

*Deputy Warden:*

R. E. BARWICK, M.Sc. (N.Z.)

*Sub-Warden for Women:*

Dorothy M. LEAPER, B.A. (Melb.), A.L.A.

ADMINISTRATIVE STAFF

*Assistant Registrar:*

C. G. PLOWMAN, B.Ec. (Syd.)

*Registrar's Assistant:*

T. J. KEITH

*Accounting Officer:*

P. W. BRETT, A.C.I.S.

*Graduate Assistants:*

Mary G. BOUQUET, B.A., Dip.Ed. (Syd.)

D. N. KENNARD, B.A. (N.E.)

*Administrative Assistants:*

J. D. BROCKLEHURST

I. G. F. PATON

STUDENT COUNSELLOR

Associate Professor P. PENTONY

STUDENT ADVISERS

<i>Arts</i>	..	Dr. E. C. FRY
<i>Economics</i>	..	Dr. K. SLOANE
<i>Law</i>	..	Mr. H. TARLO
<i>Science</i>	..	Dr. W. L. NICHOLAS

## TIMETABLES FOR 1962 (BY UNITS)

## ARTS AND ECONOMICS

## NOTE::

- D—Day hours  
 E—Evening hours  
 a—Laboratory period of two hours  
 aa—Laboratory period of four hours  
 b—Laboratory period of three hours  
 c—Lecture period of two hours  
 d—Practical period of one hour  
 e—Period restricted to honours degree students  
 f—Additional lectures by arrangement  
 h—Honours classes by arrangement

Subject.	Mon.		Tues.		Wed.		Thurs.		Fri.	
	D	E	D	E	D	E	D	E	D	E
Accountancy I .. .. .	..	5	..	5	..	..	..	..	..	7
Accountancy IIB .. .. .	..	..	..	5	..	7	..	..	..	..
Agricultural Economics .. .. .	..	..	12	..	..	..	12	..	..	..
American History .. .. .	..	..	12	..	..	..	..	..	12	..
Ancient History .. .. .	..	..	..	5	12e	..	..	..	..	5
Applied Mathematics I .. .. .	..	..	12	..	12	..	12	..	..	..
Applied Mathematics II .. .. .	12	..	12	..	..	..	12	..	12	..
Applied Mathematics III .. .. .	10	..	10	..	10	..	..	..	10	..
Australian History .. .. .	11e	..	11	..	..	5	..	..	11	5
Australian Literature .. .. .	..	..	10	7	..	..	10	7	..	..
Bahasa Ind. and Malay I .. .. .	..	5	..	..	..	5	..	5	..	..
Bahasa Ind. and Malay II .. .. .	..	..	..	4	..	..	..	4	..	5
Bahasa Ind. and Malay III .. .. .	..	4	..	..	..	4	..	..	..	4
British History .. .. .	..	..	12e	7	..	..	..	4	..	..
			2							
Chinese I .. .. .	..	4c	..	..	..	..	..	4c	..	..
Chinese II .. .. .	..	..	..	4c	..	..	..	..	..	4c
Chinese III .. .. .	..	..	..	4c	10c	..	..	..	..	..
Classical Civilization .. .. .	..	5	..	..	..	7	..	..	..	..
Early Eng. Lit. and Lang. I .. .. .	..	..	..	4	..	..	..	4	..	..
Early Eng. Lit. and Lang. II .. .. .	..	..	..	..	..	5	..	5	..	..
Early Eng. Lit. and Lang. III .. .. .	..	..	..	..	Maths	7	..	Maths	..	4c
Economics I .. .. .	10	7	..	..	10	5	10	7	..	..
Economics II .. .. .	..	..	10	7	..	..	11	5	..	..
Economics III .. .. .	..	5	..	..	..	4	..	..	..	..
Economics IV .. .. .	12	..	..	4	12	..	..	..	..	..
Economic Geography .. .. .	12	..	..	..	12	..	..	..	..	..
Economic History I .. .. .	..	..	..	4	..	..	..	4	..	..
Economic History II .. .. .	12	..	..	..	..	..	12	..	..	..
English Literature Ia .. .. .	..	..	11	8	10	5	11	5	..	..
English Literature IIa .. .. .	10	5	..	..	11	7	10	7	..	..
English Literature IIIa .. .. .	11	5	10	5	11	5	..	..	..	..
Ethics and Politics .. .. .	..	4	..	..	..	5	..	..	..	..
Far Eastern Civilization I .. .. .	3	..	..	..	..	4	..	..	..	..
Far Eastern Civilization II .. .. .	..	4	..	..	..	..	..	4	..	..
French Lang. and Lit. I .. .. .	3	7	..	..	3	7	..	..	..	..
French Lang. and Lit. II .. .. .	2	4	..	..	2	4	2	4	..	..
French Lang. and Lit. III .. .. .	2	4	..	..	2	4	3	..	..	4
French Studies A .. .. .	..	..	..	..	..	..	..	..	..	..
					Classes by arrangement					

Subject.	Mon.		Tues.		Wed.		Thurs.		Frii.	
	D	E	D	E	D	E	D	E	D	E
Geography I .. .. .	3	..	..	..	1b	..	3	..	9b	..
Geography II.. .. .	..	..	9c	..	9b	..	9c	..	..	..
German IA .. .. .	..	7	..	..	..	5	..	5	..	..
German Lang. and Lit. I .. .. .	..	4	..	..	..	4	..	7	..	..
German Lang. and Lit. II .. .. .	..	7	..	4	..	..	..	5	..	..
German Lang. and Lit. III .. .. .	12	..	..	4	12	..	12	5	..	..
German Studies B .. .. .	..	..	..	..	Classes by arrangement					
Greek I (a and b), II, III .. .. .	..	..	..	..	Classes by arrangement					
Greek Studies A and B .. .. .	..	..	..	..	Classes by arrangement					
History of Economic Thought .. .. .	..	7	..	..	..	5	..	..	..	..
History of Philosophy .. .. .	..	..	2	..	..	..	..	..	2c	..
History and Phil. of Science .. .. .	..	4	..	..	..	..	..	5	..	..
Historiography .. .. .	..	4	..	..	..	..	..	..	..	..
Indian History .. .. .	12	..	..	..	{10e 12	..	..	..	..	..
International Relations .. .. .	..	..	1	..	..	..	1	..	..	..
Japanese I .. .. .	..	4c	..	..	..	..	..	4c	..	..
Japanese II .. .. .	..	..	9c	..	..	..	9c	..	..	..
Japanese III .. .. .	10c	..	..	..	10c	..	..	..	..	..
Javanese I .. .. .	9	..	..	..	10c	..	..	..	..	..
Javanese II .. .. .	..	..	..	5	..	..	10	..	..	..
Latin I .. .. .	..	4	10	..	..	4	10	..	10	4
Latin II <sup>f</sup> .. .. .	..	..	..	..	..	5	..	5	..	..
Latin III <sup>f</sup> .. .. .	..	..	..	4	..	..	..	..	..	4
Latin Studies B .. .. .	..	5	..	..	..	..	..	4	..	..
Logic and Scientific Method .. .. .	..	..	9	4	..	..	..	7	9	..
Mediaeval History .. .. .	..	..	..	..	Classes by arrangement					
Modern History A .. .. .	11e	7	11	..	..	..	5	..	11	..
Modern History B .. .. .	..	..	10	..	..	4	..	..	{9e 10	7
Oriental Civilization .. .. .	..	..	..	4	..	..	..	..	..	4
Political Science I .. .. .	..	..	..	..	..	4	..	..	..	5
Political Science II .. .. .	1	..	..	5	..	..	..	..	..	..
Political Science III .. .. .	..	..	9	..	1	..	..	..	..	..
Preliminary Latin .. .. .	..	4	..	4	..	4	..	4	..	..
Problems of Philosophy .. .. .	..	..	9	4	..	..	..	7	9	..
Psychology I .. .. .	..	5	10	5	11	5	12	..	..	..
Psychology I (Lab.) .. .. .	..	..	2b	..	..	7b	..	..	2b	..
Psychology II.. .. .	..	7	2	..	3	5	11	..	..	4
Psychology II (Lab.) .. .. .	..	..	..	7b	..	..	..	..	1b	..
Psychology III .. .. .	..	4	..	..	..	..	..	4	..	4
Psychology III (Lab.) .. .. .	..	..	..	4a	..	4a	..	..	..	..
Public Administration .. .. .	..	4	..	..	..	..	..	..	..	4
Public Finance .. .. .	..	4	..	..	..	..	..	5	..	..
Pure Mathematics I .. .. .	11	5	..	5	11	5	11	..	11	5
Pure Mathematics II .. .. .	10 <sup>m</sup>	..	9	..	..	..	10	..	9	..
Pure Mathematics III .. .. .	9	..	9	..	9	..	..	..	9	..

Subject.	Mon.		Tues.		Wed.		Thurs.		Fri.	
	D	E	D	E	D	E	D	E	D	E
Ren. a and Ref. History ..	..	..	..	..	..	..	..	..	11	..
Russiaian Lang. and Lit. I ..	..	5	2c	7	2	..	..	7c	2	..
Russiaian Lang. and Lit. II ..	..	7	..	..	..	7c	..	..	..	..
Russiaian Lang. and Lit. III ..	..	7	..	5	..	..	..	5	..	..
Russiaian Studies A ..	..	..	..	..	..	..	..	..	..	..
Russiaian Studies B ..	..	..	..	..	..	..	..	..	..	..
Russiaian History ( <i>see</i> Modern History B Honours)	..	..	..	..	..	..	..	..	..	..
Southeast Asian Civilization I ..	..	5	..	..	..	5	..	..	..	..
Southeast Asian Civilization II ..	..	..	10	..	..	..	..	5	..	..
Statistics I ..	..	..	①	4e	..	⑦	①	..	..	..
Statistics II ..	..	..	12	..	..	④	9e	..	..	..
Statistics III ..	3	4d	..	{ 4 5d	..	{ 4 5e	..	{ 4 5d	..	{ 4 5d
Statistics IV ..	..	..	..	..	..	..	..	..	..	..

LAW.

The Law timetable will be posted on the Law Faculty notice board.

## SCIENCE

## NOTE:

D—Day hours

a—Laboratory period of two hours

aa—Laboratory period of four hours

b—Laboratory period of three hours

c—Lecture period of two hours

d—Practical period of one hour

e—Period restricted to honours degree students

f—Additional lectures by arrangement

g—Alternative classes will be held in the evenings. (See Arts and Economics Timetable)

*Times for practical periods are subject to confirmation by Departments*

Subject.	Mon.	Tues.	Wed.	Thurs.	Fri.
	D	D	D	D	D
Applied Mathematics I .. ..	..	12	12	12	..
Applied Mathematics II .. ..	12	12	..	12	12
Applied Mathematics III .. ..	10	10	10	..	10
Botany I .. ..	..	10	..	12	2
Botany I (Lab.) .. ..	..	11a	..	..	3a
Botany II .. ..	11	11	..	11	11
Botany II (Lab.) .. ..	2b	..	..	2b	..
Botany III .. ..	9, 12	..	..	11	10
Botany III (Lab.) .. ..	..	..	9b, 2b	..	..
Chemistry IA .. ..	10	..	10	..	12
Chemistry IB .. ..	11	..	11	..	10
Chemistry I (Lab.) .. ..	..	2a	2a	10a	2a
Chemistry II .. ..	11	..	12	11	11
Chemistry II (Lab.) .. ..	2b	11a	..	2b	..
Chemistry IIIA .. ..	9	10	..	9	..
Chemistry IIIB .. ..	10	..	10	..	12
Geology I .. ..	10	..	10	..	12
Geology I (Lab.) .. ..	..	..	2b	..	..
Geology II .. ..	12	..	9	..	10, 12
Geology II (Lab.) .. ..	..	2b	10b	9b	..
Geology III .. ..	10	12	12	12	..
Geology III (Lab.) .. ..	2b	2b	2b	..	2b
Physics I .. ..	..	9	9	9	..
Physics I (Lab.) .. ..	..	2b	2b	2b	2b
Physics II .. ..	..	10	11	9	10
Physics II (Lab.) .. ..	..	2b	2b	..	..
Physics III .. ..	12	9	9	..	9
Psychology I .. ..	..	10g	11g	12g	..
Psychology I (Lab.) .. ..	..	2gb	..	..	2gb
Psychology II .. ..	..	2g	3g	11g	..
Psychology II (Lab.) .. ..	..	..	..	..	1b
Pure Mathematics I .. ..	11	..	11	11	11
Pure Mathematics II .. ..	10	9	..	10	9
Pure Mathematics III .. ..	9	9	9	..	9
Theoretical Physics III .. ..	11	11	..	11	11
Zoology I .. ..	9	..	..	10	9
Zoology I (Lab.) .. ..	2a	..	..	2a	10a, 2a
Zoology II .. ..	10	..	11	12	9
Zoology II (Lab.) .. ..	..	9a	2b	..	2b
Zoology III .. ..	11	11	..	12	9
Zoology III (Lab.) .. ..	2b	9a	..	..	2b

# TIMETABLES FOR 1962 (BY HOURS)

## ARTS, ECONOMICS AND SCIENCE

### NOTE:

- aa*—Laboratory period of four hours
- a*—Laboratory period of two hours
- b*—Laboratory period of three hours
- c*—Lecture period of two hours
- d*—Practical period of one hour
- e*—Period restricted to honours degree students
- f*—Additional lectures
- g*—Alternative classes will be held in the evenings

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9 a.m.	<ul style="list-style-type: none"> <li><i>b</i> Botany III</li> <li>Chemistry IIIA</li> <li>Japanese I</li> <li>Pure Mathematics III</li> <li>Zoology I</li> </ul>	<ul style="list-style-type: none"> <li><i>c</i> Geography II</li> <li>Japanese II</li> <li>Logic and Scientific Method</li> <li>Physics I</li> <li>Physics III</li> <li>Political Science III</li> <li>Pure Mathematics II</li> <li>Pure Mathematics III</li> <li>Problems of Philosophy</li> <li><i>a</i> Zoology II</li> </ul>	<ul style="list-style-type: none"> <li><i>b</i> Botany III</li> <li>Geography II</li> <li>Geology II</li> <li>Physics I</li> <li>Physics III</li> <li>Pure Mathematics III</li> </ul>	<ul style="list-style-type: none"> <li>Chemistry IIIA</li> <li>Geography II</li> <li>Geology II</li> <li>Japanese II</li> <li>Physics I</li> <li>Physics II</li> <li>Statistics II</li> <li><i>e</i></li> </ul>	<ul style="list-style-type: none"> <li><i>b</i> Geography I</li> <li>Logic and Scientific Method</li> <li>Modern History B</li> <li>Physics III</li> <li>Problems of Philosophy</li> <li>Pure Mathematics II</li> <li>Pure Mathematics III</li> <li>Zoology I</li> <li>Zoology II</li> <li>Zoology III</li> </ul>
10 a.m.	<ul style="list-style-type: none"> <li>Applied Mathematics III</li> <li>Chemistry IA</li> <li>Chemistry IIIB</li> <li>Economics I</li> <li>English Literature II</li> <li>Geology I</li> <li>Geology III</li> <li>Japanese III</li> <li>Pure Mathematics II</li> <li>Zoology II</li> </ul>	<ul style="list-style-type: none"> <li>Applied Mathematics III</li> <li>Australian Literature</li> <li>Botany I</li> <li>Chemistry IIIA</li> <li>Economics II</li> <li>English Literature III</li> <li>Geography II</li> <li>Japanese II</li> <li>Latin I</li> <li>Modern History B</li> <li>Physics II</li> <li>Psychology I</li> <li>Southeast Asian Civilization II</li> <li><i>a</i> Zoology II</li> </ul>	<ul style="list-style-type: none"> <li>Applied Mathematics III</li> <li>Chemistry IA</li> <li>Chemistry IIIB</li> <li>Chinese III</li> <li>Economics I</li> <li>English Literature I</li> <li>Geography II</li> <li>Geology I</li> <li>Geology II</li> <li>Indian History</li> <li>Japanese III</li> <li>Japanese I</li> </ul>	<ul style="list-style-type: none"> <li>Australian Literature</li> <li><i>aa</i> Botany III</li> <li>Chemistry I</li> <li>Economics I</li> <li>English Literature II</li> <li>Geography II</li> <li>Geology II</li> <li>Japanese II</li> <li>Japanese II</li> <li>Latin I</li> <li>Pure Mathematics II</li> <li>Zoology I</li> </ul>	<ul style="list-style-type: none"> <li>Applied Mathematics III</li> <li>Botany III</li> <li>Chemistry IB</li> <li>Geography I</li> <li>Geology II</li> <li>Latin I</li> <li>Modern History B</li> <li>Physics II</li> <li>Zoology I</li> </ul>

## TIMETABLE—ARTS, ECONOMICS AND SCIENCE

Time	Monday	Tuesday	Wednesday	Thursday	Friday
11 a.m.	<p><i>e</i> Australian History Botany II Chemistry IB Chemistry II English Literature III <i>c</i> Japanese III <i>e</i> Modern History A Pure Mathematics I Theoretical Physics III Zoology III</p>	<p>Australian History <i>a</i> Botany I Botany II Chemistry II <i>a</i> English Literature I Modern History A Theoretical Physics III Zoology III</p>	<p>Chemistry IB Chinese III English Literature II English Literature III Geography II <i>b</i> Geology II <i>b</i> Geology III <i>c</i> Japanese I Physics II <i>g</i> Psychology I Pure Mathematics I Zoology II</p>	<p>Botany II Botany III Chemistry I Chemistry II Economics II English Literature I <i>b</i> Geology II <i>g</i> Psychology II Pure Mathematics I Theoretical Physics III</p>	<p>Australian History Botany II Chemistry II Geography I Modern History A Pure Mathematics I Ren. &amp; Ref. History Theoretical Physics III <i>a</i> Zoology I</p>
12 noon	<p>Applied Mathematics II Botany III Economic History II Economic Geography Economics IV Geology II German Lang. &amp; Lit. III Indian History Physics III</p>	<p>Agricultural Economics American History Applied Mathematics I Applied Mathematics II <i>a</i> Botany I <i>e</i> British History <i>a</i> Chemistry II Geology III Statistics II</p>	<p><i>e</i> Ancient History Applied Mathematics I Chemistry II Economic Geography Economics IV Geology II Geology III German Lang. &amp; Lit. III Indian History</p>	<p>Agricultural Economics Applied Mathematics I Applied Mathematics II Botany I Botany III <i>aa</i> Economic History II Geology III German Lang. &amp; Lit. III <i>g</i> Psychology I Zoology II Zoology III</p>	<p>American History Applied Mathematics II Chemistry IA Chemistry IIB Geology I Geology II</p>
1 p.m.	<p>Political Science II</p>	<p>International Relations Statistics I</p>	<p><i>b</i> Geography I Political Science III</p>	<p>International Relations Statistics I</p>	<p><i>b</i> Psychology II</p>

Time	Monday	Tuesday	Wednesday	Thursday	Friday
2 p.m.	<p>b Botany II b Chemistry II French Lang. &amp; Lit. II French Lang. &amp; Lit. III b Geology III History of Philosophy a Zoology I b Zoology III</p>	<p>British History a Chemistry I b Geology II b Geology III History of Philosophy b Physics I b Physics II b Psychology I g Psychology II c Russian Lang. &amp; Lit. I</p>	<p>b Botany III a Chemistry I French Lang. &amp; Lit. II French Lang. &amp; Lit. III b Geography I b Geology I b Geology III b Physics I b Physics II b Russian Lang. &amp; Lit. I b Zoology II</p>	<p>b Botany II b Chemistry II French Lang. &amp; Lit. II b Physics I a Zoology I</p>	<p>Botany I a Chemistry I b Geology III c History of Philosophy b Physics I b Psychology I b Psychology II Russian Lang. &amp; Lit. I a Zoology I b Zoology II b Zoology III</p>
3 p.m.	<p>b Botany II b Chemistry II Far Eastern Civilization I French Lang. &amp; Lit. I Geography I b Geology III Statistics III a Zoology I b Zoology III</p>	<p>a Chemistry I b Geology II b Geology III b Physics I b Physics II b Psychology I c Russian Lang. &amp; Lit. I a Zoology III</p>	<p>a Chemistry I French Lang. &amp; Lit. I b Geography I b Geology I b Geology III b Physics I b Physics II g Psychology II b Zoology II</p>	<p>b Botany II b Botany III b Chemistry II French Lang. &amp; Lit. III Geography I b Physics I a Zoology I</p>	<p>a Botany I a Chemistry I c History of Philosophy b Geology III b Physics I gb Psychology I b Psychology II a Zoology I b Zoology II b Zoology III</p>
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TIMETABLE — ARTS, ECONOMICS AND SCIENCE

Time	Monday	Tuesday	Wednesday	Thursday	Friday
4 p.m. —contd.	Historiography History and Philosophy of Science c Japanese I Latin I Preliminary Latin Psychology III Public Administration Public Finance d Statistics III b Zoology III	Latin III Logic and Scientific Method Oriental Civilization b Physics I b Physics II Preliminary Latin Problems of Philosophy Psychology I a Psychology III e Statistics I Statistics III a Zoology III	Modern History B b Physics I b Physics II Preliminary Latin a Psychology III Statistics II b Zoology II	c Japanese I Latin Studies B b Physics I Preliminary Latin Psychology III Statistics III	bg Psychology I Psychology II Psychology III Public Administration Statistics II b Zoology II b Zoology III
5 p.m.	Accountancy I Bahasa Ind. & Malay I c Chinese I Classical Civilization Economics III English Literature II English Literature III c Japanese I Latin Studies B Psychology I Pure Mathematics I Russian Lang. & Lit. I Southeast Asian Civilization I	Accountancy IIB Ancient History c Chinese II c Chinese III English Literature III Javanese II Political Science II Psychology I a Psychology III Pure Mathematics I Russian Lang. & Lit. III d Statistics III	Australian History Bahasa Ind. & Malay I Early Eng. Lit. & Lang. II Economics I English Literature I English Literature III Ethics and Politics German IA History of Economic Thought Latin II Psychology I Psychology II a Psychology III Pure Mathematics I Southeast Asian Civilization I d Statistics II e Statistics III	Bahasa Ind. & Malay I c Chinese I Early Eng. Lit. & Lang. II Economics II English Literature I German IA German Lang. & Lit. II German Lang. & Lit. III History and Philosophy of Science c Japanese I Latin II Modern History A Public Finance Russian Lang. & Lit. III Southeast Asian Civilization II d Statistics III	Ancient History Australian History Bahasa Ind. & Malay II c Chinese II c Early Eng. Lit. & Lang. III Political Science I Pure Mathematics I d Statistics II

TIMETABLE—ARTS, ECONOMICS AND SCIENCE

Time	Monday	Tuesday	Wednesday	Thursday	Friday
6 p.m.					
7 p.m.	Economics I French Lang. & Lit. I German IA German Lang. & Lit. II History of Economic Thought Modern History A Psychology II Russian Lang. & Lit. II Russian Lang. & Lit. III	Australian Literature British History Economics II <i>b</i> Psychology II Russian Lang. & Lit. I	Accountancy IIB Classical Civilization Early Eng. Lit. & Lang. III English Literature II French Lang. & Lit. I <i>b</i> Psychology I <i>c</i> Russian Lang. & Lit. II Statistics I	Australian Literature Economics I English Literature II German Lang. & Lit. I Logic and Scientific Method Problems of Philosophy <i>c</i> Russian Lang. & Lit. I	Accountancy I Modern History B
8 p.m.		English Literature I <i>b</i> Psychology II	<i>b</i> Psychology I <i>c</i> Russian Lang. & Lit. II	<i>c</i> Russian Lang. & Lit. I	
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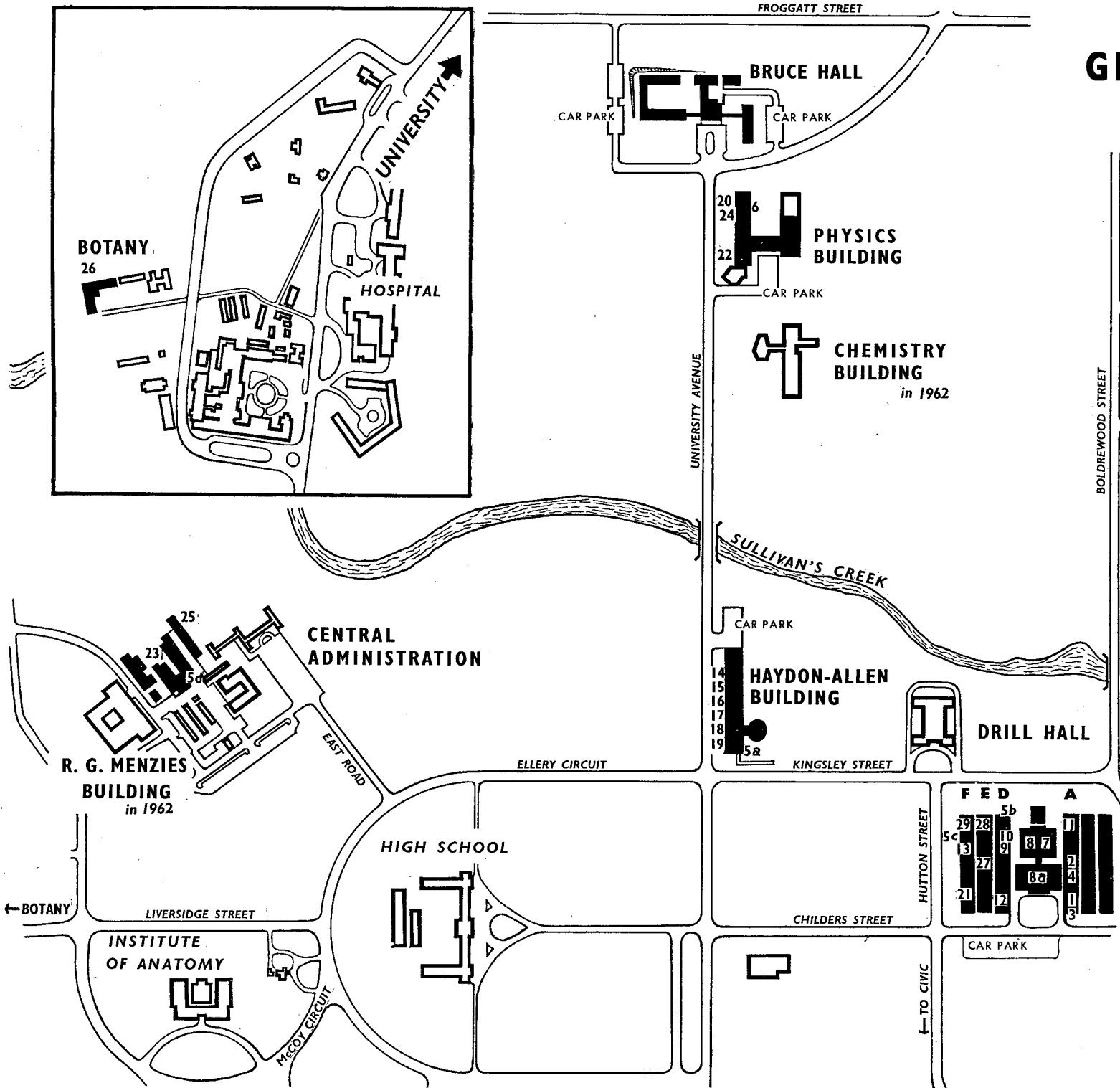
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