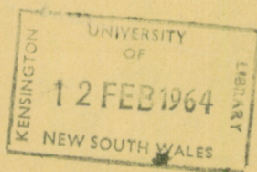


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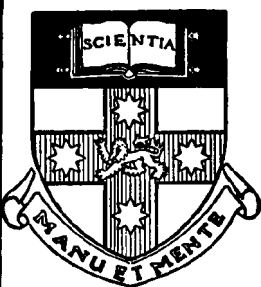
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ARTS

FACULTY HANDBOOK 1964

THE UNIVERSITY OF NEW SOUTH WALES



ARTS

FACULTY HANDBOOK 1964

THE UNIVERSITY OF NEW SOUTH WALES

Foreword

A true University, however it is concerned with professional education, must always accord a central position to those schools of liberal and general knowledge that have traditionally belonged to Arts faculties. The academic value of such schools lies in their pursuit of knowledge for its own sake and in their view of the learner "as an end in and for himself".

Arts studies have changed in purpose and character in modern times, but their essential functions remain. They exist not as routes to professional skill: they are there to give a man or woman a general education in the great liberal mental disciplines that enshrine the Western heritage of learning and culture.

This University differs from other Australian universities in that it did not begin with a Faculty of Arts. However, Arts studies were provided from its inception under the aegis of a School of Humanities and Social Sciences, as compulsory requirements in all curricula. In 1960 the School of Humanities and Social Sciences expanded into a Faculty of Arts, offering not only courses in general education which have become traditional in the University but also courses leading to an Arts degree. Although entry to these Arts courses is for the time being restricted to full-time day students, there is no doubt that the establishment of the new Faculty marks an important advance in the affairs of the University.

M. S. BROWN,

Dean,

Faculty of Arts.

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Calendar of Dates

1964

First Term (11 weeks) 2nd March to 16th May
Second Term (10 weeks) 1st June to 8th August
Third Term (9 weeks) 31st August to 31st October

February

Monday, 17	Enrolment Week begins for new First Year students.
Monday, 24	Enrolment Week begins for students re-enrolling.

March

Monday, 2	Lectures commence.
Friday, 27, to Monday, 30	Easter Holidays
Tuesday, 31	Last day for acceptance of enrol- ments.

April

Wednesday, 1 Faculty of Arts meets.
Wednesday, 15 Conferring of degrees.

May

Saturday, 16 First term ends.
Monday, 18, to
Saturday, 30 Vacation (2 weeks).

June

Monday, 1	Second term commences.
Wednesday, 10	Faculty of Arts meets.
Monday, 15	Queen's Birthday — Public Holiday.
Tuesday, 30	Last day for acceptance of applications for re-admission after exclusion under rules governing re-enrolment.

August

Friday, 7	Last day for acceptance of applications for examinations.
Saturday, 8	Second term ends.
Monday, 10, to Saturday, 29	Vacation (3 weeks).
Monday, 31	Third term commences.

September

Wednesday, 9 Faculty of Arts meets.

October

Monday, 5 Six-Hour Day — Public Holiday.

Wednesday, 14 Faculty of Arts meets.

Saturday, 31 Third term lectures cease.

November

Saturday, 7, to

Saturday, 28 Annual examinations.

1965**January**

Monday, 25, to

Saturday,

6th February Deferred examinations.

February

Monday, 1 Australia Day — Public Holiday.

Monday, 15 Enrolment Week begins for new
First Year students.

Monday, 22 Enrolment Week begins for
students re-enrolling.

March

Monday, 1 Lectures commence.

Faculty of Arts

DEAN: Professor M. S. Brown.

CHAIRMAN: Professor M. C. Kemp.

Co-ordinator of General Studies:* P. K. Elkin, B.A., Dip.Ed.(Syd.),
B.Litt.(Oxon.).

SCHOOL OF ENGLISH

Professor of English and Head of School:

H. J. Oliver, M.A.(Syd.).

Associate Professor:

Leonie J. Kramer, B.A.(Melb.), D.Phil.(Oxon.).

Senior Lecturers:

O. N. Burgess, M.A., Dip.Ed.(Syd.).

J. M. Couper, M.A., Ph.D.(Aberdeen).

R. G. Geering, M.A., Dip.Ed.(Syd.).

A. M. Ginges, B.A.(Syd.).

Lecturers:

J. M. Allen, B.A.(Rand. and Oxon.).

N. R. Cattell, M.A.(Syd.).

E. A. M. Colman, M.A.(Glas.).

H. P. Heseltine, B.A.(W. Aust.), M.A., Ph.D.(Louisiana State).

Dorothy L. M. Jones, M.A.(N.Z. and Adel.), B.Litt.(Oxon.).

S. Tick, M.A.(N.Y.).

SCHOOL OF HISTORY

Professor of History and Head of School:

J. H. McM. Salmon, M.A.(N.Z.), M.Litt.(Cantab.).

Associate Professor:

N. B. Nairn, M.A.(Syd.).

Senior Lecturers:

M. R. M. Turnbull, M.A.(N.Z.), B.Litt.(Oxon.).

A. T. Yarwood, M.A., Dip.Ed.(Syd.).

Lecturers:

J. P. Barber, M.A.(Cantab.).

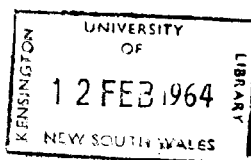
B. H. Fletcher, M.A., Dip.Ed.(Syd.).

S. M. Ingham, M.A.(Melb.).

P. J. O'Farrell, M.A.(N.Z.), Ph.D.(A.N.U.).

D. R. G. Packer, M.A.(Melb.).

* As at December 1963.



Research Assistant:

Margaret M. Payten, B.A.(Syd.).

SCHOOL OF LIBRARIANSHIP

Head of School:

The University Librarian, J. W. Metcalfe, B.A.(Syd.), F.L.A.

Senior Lecturer:

Wilma Radford, B.A.(Syd.), B.S.(Columbia).

SCHOOL OF PHILOSOPHY

Professor of Philosophy and Head of School:

J. B. Thornton, B.A., B.Sc.(Syd.).

Department of Philosophy

Associate Professor:

C. L. Hamblin, B.Sc., M.A.(Melb.), Ph.D.(Lond.).

Senior Lecturer:

R. E. Dowling, B.A.(Syd.), Ph.D.(Lond.).

Lecturers:

F. N. Harpley, B.A.(Syd.).

K. Lycos, B.A.(Syd.), B.Phil.(Oxon.).

Barbara A. Roxon, B.A.(Syd.).

R. S. Walters, M.A.(Syd.).

Department of History and Philosophy of Science

Senior Lecturer:

R. M. Gascoigne, M.Sc.(Syd.), Ph.D.(Liv.), F.R.A.C.I.

Lecturer:

R. J. Gillings, M.Sc., M.Ed.(Syd.).

W. H. Leatherdale, B.A.(Melb.).

Tutor:

R. H. Austin, B.A.(Syd.).

SCHOOL OF SOCIOLOGY

Professor of Sociology and Head of School:

M. S. Brown, M.A., Dip.Ed.(Syd.), Ph.D.(Lond.)

Associate Professor:

A. A. Congalton, M.A., Dip.Ed.(N.Z.).

Lecturer:

G. Audrey Rennison, M.A.(Cantab.), Cert.Soc.Sci. & Admin.
(L.S.E.).

Senior Tutor:

P. A. Vinson, B.A., Dip.Soc.Stud.(Syd.), Dip.Soc.

SCHOOL OF WESTERN EUROPEAN LANGUAGES

Professor of French and Head of School:

Judith O. Robinson, B.A.(Syd.), M.A.(Cantab.), D.de l'U. (Paris).

Department of French

Senior Lecturer:

L. R. Chambers, M.A., Dip.Ed.(Syd.).

Department of German

Associate Professor of German:

Vacant.

DEPARTMENT OF DRAMA

Associate Professor of Drama:

C. R. B. Quentin, M.A.(Oxon).

Senior Lecturer:

A. B. Weiner, B.A.(Temple), Ph.D.(Yale).

DEPARTMENT OF POLITICAL SCIENCE

Professor of Political Science:

Vacant.

Senior Lecturer:

Ruth Atkins, B.A., B.Ec., Dip.Ed.(Syd.).

Lecturers:

P. D. Marchant, B.A.(Syd.), Ph.D.(A.N.U.).

A. C. Palfreeman, Lic. es Scs.Pols.(Geneva), M.A.(A.N.U.).

SCHOOL OF APPLIED PSYCHOLOGY

Professor of Applied Psychology and Head of School:

J. F. Clark, M.A., B.Sc., Dip.Ed.(Syd.), Ph.D.(Lond.).

General, Experimental and Measurement Psychology

Senior Lecturers:

A. Meadows, M.A.(Melb.), Ph.D.(Lond.).

A. K. Olley, B.A.(Syd.).

O. Porebski, M.A., Ph.D.(Lond.).

R. Yensen, M.A.(W. Aust.), Ph.D.(Cantab.).

Lecturers:

Irene A. Edmonds, M.A.(Syd.).

C. P. Kenna, B.A., B.Sc.(Syd.).

K. R. Llewellyn, B.A., Ph.D.(Syd.).

J. C. Murray, B.A.(Syd.).

P. Van Sommers, M.A.(Melb.), Ph.D.(Harv.).

Senior Tutor:

S. Bochner, B.A.(Syd.).

Teaching Fellow:

Dorothy Lang, B.A.(Syd.).

Personality and Clinical Psychology

Associate Professor:

R. T. Martin, B.A., Dip.Pub.Admin.(Syd.).

Senior Lecturer:

D. R. Martin, B.A., Dip.Ed.(Syd.).

Lecturers:

Una Gault, M.A.(Syd.).

W. A. H. Jarvis, B.A., Dip.Ed.(Syd.), B.Ed.(Melb.).

Social and Applied Psychology

Senior Lecturers:

A. W. Clark, M.A.(Melb.).

E. E. Davies, M.A.(Syd.).

Lecturer:

A. E. Carey, B.Sc.(Lond.).

SCHOOL OF ECONOMICS

Professor of Economics and Head of School:

A. Hunter, M.A.(Glasgow).

Professor of Economics:

M. C. Kemp, B.Com., M.A.(Melb.), Ph.D.(Johns Hopkins).

Department of Economics

Senior Lecturers:

Z. M. Kubinski, M.A.(Leeds).

D. M. Lamberton, B.Ec.(Syd.), D.Phil.(Oxon.).

K. D. Rivett, M.A., Ph.D.(Melb.).

N. Runcie, B.Ec.(Syd.), Ph.D.(Lond.).

D. J. Stalley, M.Ec.(Adel.), A.U.A.

Lecturers:

I. Gordijew, B.Ec.(Syd.).

G. D. McColl, M.Sc.(Econ.)(Lond.), A.A.S.A.

Associate Lecturer:

L. L. F. Wegge, Ph.D.(M.I.T.).

Senior Tutor:

G. J. Abbott, B.Ec., Dip.Ed.(Syd.), B.Ed.(Melb.), M.A.(Manit.).

Tutors:

R. G. Fisher, M.Com.
Rachael Goth, B.A.

Department of Industrial Relations

Senior Lecturer:

J. Child, B.Com., M.A.(N.Z.), D.Phil.(Oxon.).

Lecturer:

G. W. Ford, B.A., Dip.Ed.(Syd.), M.A.(Econ.) (U.C.L.A.)

Department of Economic Statistics

Senior Lecturers:

P. R. Fisk, B.Sc.(Econ.)(Lond.).
R. A. Layton, M.Ec.(Syd.).
Sheila I. Rowley, M.A.(W. Aust.), M.Sc., Ph.D.(N. Carolina).

Lecturers:

N. M. Swan, B.Sc.(Econ.)(Lond.).
H. Y. Wan, B.A.(Taiwan), M.S.(Bucknell), Ph.D.(M.I.T.).

SCHOOL OF MATHEMATICS

Professor of Applied Mathematics and Head of School:

J. M. Blatt, B.A.(Cinc.), Ph.D.(Corn. and Prin.), F.A.P.S.

Professor of Mathematics:

G. Bosson, M.Sc.(Lond.).

Professor of Pure Mathematics:

G. Szekeres, Dipl.Chem.Eng.(Bud.), F.A.A.

Executive Assistant to Head of School:

M. H. McKay, M.A., Dip.Ed.(Syd.), F.R.A.S.

Department of Mathematics

Senior Lecturers:

C. M. Groden, Dipl.Math.(Zürich).
C. B. Kirkpatrick, M.Sc.(Syd.), A.Inst.P.
A. H. Low, M.Sc., Dip.Ed.(Syd.), Ph.D.
M. H. McKay, M.A., Dip.Ed.(Syd.), F.R.A.S.
S. A. Senior, M.Sc., Dip.Ed.(Leeds).

Lecturers:

M. A. Eggar, Staatsexamen, Dr.Nat.Sc., Dipl.Ed.(Berlin).
D. E. Mackenzie, B.Sc.(Tas.).
D. A. Mustard, B.Sc.(Syd.).
S. J. Prokhovnik, B.A., B.Sc.(Melb.).

Senior Tutors:

J. Aspinall, B.Sc.(Manc.).

Agnes V. Nikov, Dipl. Math., Dipl.Ed.(Budapest).

Research Assistant:

Gwenyth M. Easton, B.Sc.

Department of Pure Mathematics

Senior Lecturers:

J. L. Griffith, B.A., M.Sc., Dip.Ed.(Syd.).

J. St. A. Sandiford, M.Sc.(Syd.).

Lecturers:

C. D. Cox, B.Sc., Dip.Ed.(Qld.).

M. G. Greening, M.A.(Lond.).

R. F. Matlak, Ph.Mgr.(Cracow), M.A.(Syd.).

W. J. Pretorius, M.Sc.(Rhodes), D.I.C.

Edith M. Werkhoven, M.Sc., Dip.Ed.(Syd.).

Tutor:

M. J. Hayes, B.A.(Cantab.).

Teaching Fellow:

N. F. Smythe, B.Sc.

Department of Applied Mathematics

Senior Lecturers:

L. M. Delves, M.Sc.(N.Z.), D. Phil.(Oxon).

G. H. Derrick, B.Sc.(Qld.), Ph.D.(Syd.).

W. E. Smith, M.Sc.(Syd.), B.Sc.(Oxon), A.Inst.P.

Lecturers:

J. N. Lyness, M.A., D.Phil.(Oxon).

B. W. Ninham, M.Sc.(W. Aust.), Ph.D.(Maryland).

Teaching Fellow:

C. J. Thompson, B.Sc.

Department of Statistics

Associate Professor:

J. B. Douglas, M.A., B.Sc., Dip.Ed.(Melb.).

Senior Lecturers:

A. G. L. Elliott, B.Sc.(W. Aust.).

M. A. Hanson, B.Sc.(Qld.), M.Sc.(Melb.).

S. Lipton, M.Sc.(Liv.).

Lecturers:

C. A. McGilchrist, B.Sc., B.Ed.(Qld.), M.Sc.

P. J. Staff, B.Sc., Dip.Ed.(Syd.).

M. K. Vagholkar, M.Sc.(Bombay), Ph.D.(Lond.), D.I.C.

Senior Tutors:

R. B. Davis, B.Sc.(Syd.), Dip.Ed.(N.E.), M.Sc.

A. D. Joffe, B.Sc.(Rand.).

SCHOOL OF PHYSICS*

Professor of Applied Physics and Head of School:

C. J. Milner, M.A., Ph.D.(Cantab.), F.Inst.P.

SCHOOL OF CHEMISTRY*

Professor of Inorganic Chemistry and Head of School:

D. P. Mellor, D.Sc.(Tas.), F.R.A.C.I.

SCHOOL OF BIOLOGICAL SCIENCES*

Professor of Biochemistry and Head of School:

B. J. F. Ralph, B.Sc.(Tas.), Ph.D.(Liv.), F.R.A.C.I.

SCHOOL OF APPLIED GEOLOGY*

Professor of Geology and Head of School:

J. J. Frankel, M.Sc.(Rhodes), D.Sc.(Cape T.), F.R.S.S.Afr.,
F.G.S., M.S.A.Inst.M.M., M.Soc.Sigma Xi, A.M.I.M.M.

* These Schools offer courses in the natural sciences to students in the Faculty of Arts. The Staffs of these Schools are listed in the University Calendar.

Introduction

The University of New South Wales was founded in 1949, originally under the name of the New South Wales University of Technology, to help meet the need for graduates in the established scientific and engineering disciplines and to develop studies in newer technological fields. Early in its history the University decided to include in its scientific and technological courses a group of compulsory subjects in the humanities and social sciences. Over the years, under the aegis of the Faculty of Humanities and Social Sciences, strong departments were built up in English, history, philosophy, government, sociology, psychology and economics to carry out this policy.

In 1958 the University was empowered to extend its activities to include instruction for degrees in arts. The Faculty of Humanities and Social Sciences was accordingly re-constituted as the Faculty of Arts based on the departments referred to above. In 1960 courses leading to the degree of Bachelor of Arts were introduced for the first time, such courses being offered on a full-time basis only.

A distinctive feature of the Arts courses is the requirement that all students shall take at least two consecutive courses in Scientific Thought or in one of the natural sciences. This is an extension of the policy of prescribing for all students a number of subjects of general educational importance outside their chosen field.

The degree of Bachelor of Arts may be conferred as a degree in general studies, as a degree in special studies, or as a degree in combined special studies. The regulations governing the award of the degree in these three categories are set out later. The qualifying subjects have been classified into seven groups, details of which are given in paragraph 5 of the regulations governing the award of the B.A. degree.

At the post-graduate level, qualified students may register for the degrees of Master of Arts, Master of Librarianship or Doctor of Philosophy. The regulations governing the award of these degrees are published annually in the University Calendar.

The Faculty of Arts also conducts diploma courses at the undergraduate and post-graduate level. The undergraduate course in Sociology extends over three years of part-time study and leads to the Diploma in Sociology (Dip.Soc.). At the post-graduate level, a course in librarianship leading to a diploma (Dip.Lib.) is available. Complete details of these diploma courses are given at the end of this book.

B.A. Degree in General Studies

The Bachelor of Arts degree in general studies is awarded at the pass level on completion of ten courses in a minimum of three years selected from the seven groups in accordance with the regulations which are set out in detail later in this Handbook.

The course in general studies is designed to provide for a relatively wide spread of the student's effort over a number of different subjects. Candidates who have completed the requirements for the pass degree at a sufficiently high standard may take two further advanced courses in a fourth year to qualify for a degree with honours in general studies. Among the conditions governing the award of the degree in general studies the more important are that no more than six courses may be selected from any one group, and that at least two consecutive courses must normally be taken from the subjects in Group VII.

A typical example of a course satisfying the requirements for the degree in general studies would be:

English I, II, III.

History I, II.

Economics I, II.

Scientific Thought I, II.

Sociology I.

History III, and Economics III could be taken in a fourth year for honours.

B.A. Degree in Special Studies or Combined Special Studies

In contrast to the course in general studies the conditions governing the award of the degree in special studies are designed to enable students to undertake the specialised study in one School, or in certain cases, in two Schools. Students will study for a minimum of four years and will be regarded as proceeding to an honours degree. Normally five courses are taken in the special field over four years of study, together with four subsidiary subjects which should include two consecutive courses from Group VII.

A candidate for the degree in special studies in two Schools will take three consecutive courses in each School to third year and in his fourth year will take a special honours course designed by the Heads of the two Schools concerned. Once again two courses, normally consecutive courses, must be taken from Group VII except where Faculty has granted special permission for a student to take one subject only from Group VII.

The full requirements governing the award of the degree in general studies, special studies, and combined special studies are set out on pages 27 to 32.

General Information

MATRICULATION REQUIREMENTS

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

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

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

1. (i) A candidate for any first degree of the University must satisfy the conditions for admission set out hereunder before entering upon the prescribed course for a degree. Compliance with these conditions does not in itself entitle a student to enter upon a course.
- (ii) A candidate who has satisfactorily met the conditions for admission and has been accepted by the University shall be classed as a "matriculated student" of the University after enrolment.
- (iii) A person who has satisfactorily met the conditions for admission may be provided with a statement to that effect on the payment of the prescribed matriculation fee.
2. (i) For the purpose of matriculation approved subjects* are grouped as follows:—
 - A. English.
 - B. Latin, Greek, French, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch, Geography, Ancient History, Modern History, Economics.
 - C. Mathematics I, Mathematics II, Mathematics III*.
 - D. Agriculture, Applied Mathematics, General Mathematics*, Biology, Botany, Chemistry, Physics, Geology, Physics and Chemistry, Physiology, Zoology.
 - E. Accountancy, Art, Descriptive Geometry and Drawing, Music, Theory and Practice of Music.

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

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

I. either—

- (a) the five subjects include English and at least one subject from each of Groups B and C, but do not include more than one subject from Group E, except that candidates may qualify for admission to the Faculty of Arts only, by passing in one subject from Group D in lieu of the subject from Group C.
- or (b) the five subjects include English, and at least one subject from either Group B or Group C, but do not include more than one subject from Group E, and provided further that the five passes include either one first class Honours and two A's or two Honours of which one is first class;

and:—

- II. (a) neither Physics nor Chemistry is offered with the combined subject Physics and Chemistry;
- (b) neither Botany nor Zoology is offered with Biology;
- (c) neither Botany nor Zoology nor Biology is offered with Physiology;
- (d) neither Mathematics I nor Mathematics II nor Mathematics III is offered with General Mathematics;
- (e) neither Mathematics I nor Mathematics II is offered with Mathematics III;
- (f) Mathematics I or Mathematics II may be counted as an approved subject only if the candidate presented himself for examination in both Mathematics I and Mathematics II;
- (g) Theory and Practice of Music is accepted only in cases where the pass was obtained at an examination in 1946 or subsequent years;
- (h) Ancient History is accepted only in cases where the pass was obtained at an examination held in 1945 or subsequent years; and further, both Modern History

* *Provisional* matriculation status may be granted to candidates seeking admission in 1964 who passed in General Mathematics at the 1962 Leaving Certificate Examination, the subject General Mathematics in this case being regarded as a Group C subject. This is a special concession and will not apply in subsequent years.

and Ancient History may be offered as qualifying subjects at the examinations held at the end of 1951 and subsequent years;

- (i) Agriculture is accepted only in cases where the pass was obtained at an examination held in 1945 or subsequent years;
 - (j) Economics is accepted only in cases where the pass was obtained at an examination held in 1945 or subsequent years;
 - (k) Descriptive Geometry and Drawing is accepted only in cases where the pass was obtained at an examination held in 1954 or subsequent years.
- (iii) Candidates who have satisfactorily met the matriculation requirements of the University of Sydney, but who have not obtained the requisite pass in Mathematics where prescribed for entrance to the University of New South Wales, will be permitted to complete their qualifications to enter the University of New South Wales by passing only in a Mathematics subject from Group C, at a subsequent Leaving Certificate or University of Sydney Matriculation Examination.

ADMISSIONS OFFICE

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

Applications for special admission or admission with advanced standing to courses laid down in the University Calendar should be made at the Admissions Office. Such applications should be lodged prior to 31st December of the year preceding that in which admission is sought. Where applicable, documentary evidence should be tendered on lodging the application. Copies should accompany the originals, as this will allow the immediate return of original documents.

Applications should be made at the Admissions Office by all students who wish to defer or resume courses of study, transfer from one course to another, or apply for any concession in relation to a course in which they are enrolled. Such applications should be lodged before the commencement of the academic year in which the concession is to apply.

The Admissions Office also operates an Enrolment Bureau for the enrolment of undergraduate students enrolling with the University for the first time. Details of the procedure to be followed by such students are set out below in the section dealing with Enrolment.

The location of the Admissions Office is in the Main Building at Kensington (telephone 663-0351). Office hours are from 9.00 a.m. to 5.00 p.m., although an evening service will be provided if the need arises.

ENROLMENT PROCEDURE FOR UNDERGRADUATE COURSES

Complete details of enrolment procedure are contained in the booklets "Enrolment Procedure for New Students" and "Enrolment Procedure for Students Re-enrolling," which set out the relevant information for new students and later year students respectively. Briefly, all students are required to attend the appropriate enrolment centre at the prescribed time and to complete enrolment by the payment of fees by the required date. While course details must be completed during Enrolment Week, fees may be paid without penalty during the first two weeks of first term. For details of fee requirements, including late fee provisions, see later under Fees.

No enrolments will be accepted after 31st March without the express approval of the Registrar, which will be given in exceptional circumstances only.

All students should obtain a copy of the "Student Handbook" which is available free of charge on payment of fees.

New Students

Application for enrolment in 1964 must wherever possible be made in person to the Student Enrolment Bureau, First Floor, Building F, Kensington, as soon as the results of the Leaving Certificate Examination are published, but in any event not later than 22nd January.

Country residents who wish to enrol with the University in 1964 should write to the Registrar, P.O. Box 1, Kensington, for a form on which to make their preliminary application. This form must be returned not later than 22nd January.

It is expected that all properly qualified candidates for enrolment in the Faculty of Arts will be accepted. This expectation is based on consideration of estimated enrolments and the accommodation and staff likely to be available, but should enrolment estimates be exceeded or staff shortages become acute, restrictions may have to be imposed. Early application, therefore, is essential.

New students will complete their enrolment with the Enrolment Centre at a specified appointment time during the week commencing Monday, 17th February, 1964. Fees must be paid at the time of enrolment.

1st Year Repeats

First Year students who failed all subjects at the 1963 Annual Examinations and who were not given any deferred examinations must attend the Student Enrolment Bureau between the date of publication of the Leaving Certificate results and the 22nd January if they wish to re-enrol. It will be assumed that students in this category who do not apply for re-enrolment by 22nd January do not intend to re-enrol and a class place will not be reserved for them.

Later Year Enrolments

All students, with the exception of those first-year students who failed all subjects in 1963 (see above), enrolling other than for the first time should do so through the appropriate School. Briefly, B.A. students must attend at the office of the School in which the major subject is being studied, between 10 a.m. and 1 p.m. on Wednesday, 26th February, 1964. Students in the Diploma Course in Sociology must attend at the office of the School of Sociology in Building F between 5.30 p.m. and 8.30 p.m. on the same day. Enrolment forms will be available at the Enrolment Centre.

Miscellaneous Subjects

Students may enrol as miscellaneous students in individual subjects provided accommodation is available and they have the permission of the Head of the School responsible for the subject. This permission must be granted prior to enrolment, which may be completed at the Faculty Office, 1st Floor, Building F, on Friday, 28th February, 1964, between 6.00 p.m. and 7.30 p.m. Under no circumstances will subjects taken in this way be counted towards a degree or diploma.

Enrolment in German at the University of Sydney

Arts students who wish to take courses in German at the University of Sydney to count towards their degree, should:

1. Enrol as Irregular Students at the Fees Office of the University of Sydney before 22nd January, 1964.
2. Present to the Fees Office at the time of enrolment a letter from the Faculty of Arts of this University stating that:
 - (a) the student concerned is enrolled at the University of New South Wales;
 - (b) if appropriate, that the student holds a Teachers' College Warrant No.
3. Register with the appropriate Department at the University of Sydney.

Student Registration Card

When enrolment forms have been submitted to the University Cashier he will return to the student a Registration Card. Students are required to carry this card with them as evidence that they are entitled to the rights and privileges afforded by the University.

CHANGES IN COURSE PROGRAMMES

Students seeking approval of a change in their course programme or seeking to withdraw from subjects must make application to the Head of the School responsible for the course on a form available from school offices. The Registrar will inform students of the decision. Ap-

proval of withdrawal from subjects is not automatic, each application being determined after considering the circumstances advanced as justifying withdrawal. It should be noted that a student is regarded as having failed in a subject if he enrolled in it in any year and did not pass the annual examination—not sitting for the examination is regarded as not passing the examination.

RESTRICTIONS UPON STUDENTS RE-ENROLLING IN UNIVERSITY COURSES

The University Council has adopted the following rules governing re-enrolment with the object of requiring students with a record of failure to show cause why they should be allowed to re-enrol and retain valuable class places. These rules will be applied retrospectively from January, 1962, and the attention of students is drawn to them.

- (i) As from 1st January, 1962, a student shall show cause why he should be allowed to repeat a subject in which he has failed more than once. (Failure in a deferred examination as well as in the annual examination counts, for the purpose of this regulation, as one failure). A student in the medical course shall show cause why he should be allowed to repeat the second year of the course if he has failed more than once to qualify for entry to the third year.
- (ii) Notwithstanding the provisions of Clause (i), a student shall be required to show cause why he should be allowed to continue a course which he will not be able to complete in the time set down in the following schedule:

<i>Number of years in course</i>	<i>Total time allowed from first enrolment to completion (years)</i>
3	5
4	6
5	8
6	9
7	11
8	12
- (iii) No part-time student shall, without showing cause, be permitted to continue a course unless all subjects of the first two stages of his course are completed by the end of his fourth year of attendance and all subjects of the third and fourth stages of his course by the end of his seventh year of attendance.
- (iv) A student who has a record of failure in a course at another University shall be required to show cause why he should be admitted to this University.

- (v) Any student excluded under any of the Clauses (i)-(iii) may apply for re-admission after two academic years and such application shall be considered in the light of any evidence submitted by him.
- (vi) A student wishing "to show cause" under these provisions shall do so in writing to the Registrar. Any such application shall be considered by the Professorial Board, which shall determine whether the cause shown is adequate to justify his being permitted to continue his course or re-enrol, as the case may be.
- (vii) The Vice-Chancellor may on the recommendation of the Professorial Board exclude from attendance in any particular course any student who has been excluded from attendance in any other course under the rules governing re-enrolment and whose record at the University demonstrates, in the opinion of the Board and the Vice-Chancellor, the student's lack of fitness to pursue the course nominated.
- (viii) A student who has failed, under the provisions of Clause (vi) of these rules, to show cause acceptable to the Professorial Board why he should be permitted to continue in his course, and who has subsequently been permitted to re-enrol in that course or to transfer to another course, shall also be required to show cause, notwithstanding any other provisions in these rules, why he should be permitted to continue in that course if he is unsuccessful in the annual examinations immediately following the first year of resumption or transfer of enrolment as the case may be.

RE-ADMISSION AFTER EXCLUSION

Applications for re-admission must be made on the standard form and lodged with the Registrar not later than 30th June of the year prior to that for which re-admission is sought. An application should include evidence of appropriate study in the subjects (or equivalents) on account of which the applicant was excluded. In addition, evidence that circumstances which were deemed to operate against satisfactory performance at the time of exclusion are no longer operative or are reduced in intensity should be furnished. An applicant may be required to take the annual examinations in the relevant subjects as qualifying examinations in which case re-admission does not imply exemption from the subject.

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

FEES

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

Completion of Enrolment

All students are required to attend the appropriate enrolment centre during the prescribed enrolment period* for authorisation of course programme. Failure to do so will incur a late fee of £1.

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

Fees should be paid during the prescribed enrolment period but will be accepted without incurring a late fee during the first two weeks of first term. (For late fees see below.) No student is regarded as having completed an enrolment until fees have been paid. **Fees will not be accepted (i.e., enrolment cannot be completed) after 31st March** except with the express approval of the Registrar, which will be given in exceptional circumstances only.

Payment of Fees by Term

Students who are unable to pay their fees by the year may pay by the term, in which case they are required to pay first term course fees and other fees for the year, within the first two weeks of first term. Students paying under this arrangement will receive accounts from the University for Second and Third Term fees. These fees must be paid within the first two weeks of each term.

Assisted Students

Scholarship holders or Sponsored Students who have not received an enrolment voucher or appropriate letter of authority from their sponsor at the time when they are enrolling should complete their enrolment paying their own fees. A refund of fees will be made when the enrolment voucher or letter of authority is subsequently lodged with the Cashier.

Extension of Time

Any student who is unable to pay fees by the due date may apply in writing to the Registrar for an extension of time. Such

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

application must give year or stage, whether full-time or part-time and the course in which the applicant wishes to enrol, state clearly and fully the reasons why payment cannot be made and the extension sought, and must be lodged before the date on which a late fee becomes payable. Normally the maximum extension of time for the payment of fees is until 31st March for fees due in first term and for one month from the date on which a late fee becomes payable in Second and Third Terms.

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

Failure to Pay Fees

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

No student is eligible to attend the annual examinations in any subject where any portion of his course fees for the year is outstanding after the end of the fourth week of Third Term.

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

Fees for Arts Courses

- (i) Pass—£36 per annum per subject or £12 per term per subject.
- (ii) Distinction Subjects or Honours—an additional £12 per annum per subject in which distinction or honours are taken in student's second and third years and £48 per subject per annum in the fourth year.
- (iii) Students taking subjects at the University of Sydney as part of their regular course are required by that University to pay lecture fees only.
- (iv) Thesis Fee—Students who have completed the final examinations but have a thesis still outstanding are required to pay £10 per annum (no term payment).

Fees for Diploma in Sociology Course

- (i) £24 per term, or £72 per annum.
- (ii) Thesis Fee—Students who have completed the final examinations but have a thesis still outstanding are required to pay £10 per annum (no term payment).

Miscellaneous Subjects

- (i) Pass — £36 per annum per subject or £12 per term per subject.
- (ii) Distinction Subjects or Honours — an additional £12 per annum per subject in which distinction or honours are taken in students' second and third years and £48 per subject per annum in the fourth year.
- (iii) Distinction section only — £36 per annum per subject or £12 per term per subject.

Other Fees

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

- (i) Matriculation Fee—£3—payable at the beginning of first year.
- (ii) Library Fee—Annual Fee—£5.
- (iii) Diploma or Graduation Fee—£3—payable at the completion of the course.
- (iv) University of New South Wales Students' Union—Annual Subscription—£2.
- (v) University of New South Wales Sports Association—Annual Subscription—£1.
- (vi) University Union—Annual Subscription—£6.
- (vii) Deferred examination—£2 for each subject.
- (viii) Examinations conducted under Special Circumstances—£3 for each subject.
- (ix) Review of Examination Result—£3 for each subject.
- (x) Chemistry Kit Deposit—£4 per kit. (Up to £3 refundable on return of kit in a satisfactory condition).
- (xi) Excursion Fee—£1 per subject (biology, botany, zoology).

Late Fees

Failure to attend enrolment centre for authorisation of course programme (see above) 	£1
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First Term—

Fees paid from commencement of 3rd week of term to 31st March 	£3
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Fees paid after 31st March where accepted with the express approval of the Registrar (see above) ..	£5
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Second and Third Terms—

Fees paid in 3rd and 4th weeks of term 	£3
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Fees paid thereafter	£5
Late lodgment of Application for Admission to Examinations	£2
(Late applications will be accepted for three weeks only after the prescribed dates).	

Withdrawal

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

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

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

The Library fee is an annual fee and is not refundable where notice of withdrawal is given after the commencement of First Term. On notice of withdrawal a partial refund of the other annual fees is made on the following basis:—

University Union—£1 in respect of each half term.

University of New South Wales Students' Union—where notice is given prior to the end of the fifth week of First Term £1, thereafter no refund.

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

LIBRARY SERVICES

The University central library is temporarily located on the fifth floor of the Robert Heffron Chemistry Building at Kensington. A library service is also provided for students in attendance at Broadway through the Sydney Technical College Library, situated at the corner of Mews and Thomas Streets, Broadway.

The main reading room is available for student reading and there is also a serials reading room which is only available for those reading serials. A further reading room for reserve books is on the first floor of the Dalton Chemistry Building, which is adjacent to the Robert Heffron Building.

All students may use both libraries for reference use without any formality. Reserve and ready reference books must be used in the

library but most others are available for loan. In order to take books out, however, students must be registered yearly as borrowers at the library reference desk. Separate registration is necessary at Kensington and Broadway as the two libraries are in process of separation. Students will be registered on production of evidence that they have been enrolled for university courses, e.g., the receipt given for payment of fees (Student Registration Card).

The usual library hours are:

In term	Monday to Friday	9 a.m. to 10 p.m.
	Saturday	9 a.m. to 5 p.m.
	Sunday	2 p.m. to 6 p.m.

In vacation .. See Notice Boards.

THE UNIVERSITY UNION

Warden—A. T. Cunningham, B.Ec.(Syd.)

The University Union, a building of striking circular design, is located near the entrance to the Kensington campus from Anzac Parade. Membership of the Union is compulsory for all registered students of the University and is also open to all members of staff.

The full range of facilities provided by the Union includes a cafeteria service and other dining facilities, a large shopping centre, cloak room, banking and hairdressing facilities, showers, a women's lounge, common rooms, games rooms, reading rooms, etc.

The constitutional objects of the Union are "to create opportunities to encourage the development of social and intellectual intercourse between members of the Union; to provide premises and other amenities which shall be the common meeting ground and social centre for members of the Union; to provide facilities for the refreshment, entertainment, recreation and convenience of members of the Union; to secure the co-operation of members of the Union in furthering the interests of the University; to generally organise and direct such activities as may be deemed appropriate for giving expression to the interests of members of the Union or for carrying out any of the objects aforesaid."

STUDENT ACTIVITIES

The Arts Faculty Society

The Arts Faculty Society is the Arts students' own organization and seeks to complement the formal academic courses provided by the staff with other activities necessary for a balanced student career in Arts.

The Society aims to make students 'arts conscious'. It is considered that an important part of a student's life should be devoted to learning from the ideas and experience of his fellow-students and the

Society encourages this spirit of fellowship. The Society takes an active part in student affairs, e.g., Foundation Day, staff-student and other social functions, football, an annual ball, etc.

Membership of the Society may be arranged during Orientation Week, and further information may be obtained from the President, Mr. Ian Shepherd, Students' Union Office, Kensington. Tel. 663-3109.

Drama Club

The principal aim of this group is to stage plays and revues. In addition, a programme has been arranged this year of play readings, lectures and discussions, theatre parties and socials, voice and make-up exercises and other workshops. Scope exists for actors, writers, carpenters, poets, electricians and even potential ushers in the Club. Enquiries should be made to the secretary, Mr. T. Gawne at 259-3092.

Historical Society

Whether or not they are taking History as a major subject, students and staff are eligible to join the Historical Society. The Society has an active programme involving talks from distinguished historians, discussions and films.

Further information may be obtained from the Secretary, Miss S. Mobbs, C/- School of History.

The Politics Club

A club formed by students in the Department of Political Science which is open to all students and other interested parties within the University.

During this year some three or four dinners will be held with an eminent guest speaker providing interesting and provocative discussion.

Between the dinner engagements informal gatherings will be conducted in the seminar rooms (rear of the Arts Faculty). Students will be encouraged to voice their opinions on matters that may be beneficial to all concerned.

This club does not align itself with any political party group or faction, but rather follows the lines of the Non-Conformist Society. Further information may be obtained from:

Miss R. Atkins, Senior Lecturer in Political Science;
Mrs. P. Van Sommers, Department of Political Science;
Steven Klinger (Arts II) JX 3393;
Michael Robertson (Arts III) WM 1787.

Socratic Society

The aim of the University of New South Wales Socratic Society is to foster and promote thought and discussion on interesting, controversial, and intellectually stimulating topics. To achieve this aim the Society holds regular public meetings, talks, discussions, and symposia to which speakers of note and prominence are invited.

A multifarity and diversity of topics are covered, ranging from the humane, "Mercy Killing", by a Macquarie Street specialist, through the lighthearted, "What Makes A Woman Beautiful", attended by Andrea, June Dally-Watkins, Rocky Gattellari, Noel Brophy, Tony Madigan, and Ray Castle, to the political, "The White Australia Policy", at which an ex-premier of N.S.W. spoke.

The Society is an independent, non-political, non-religious, and non-profit making organisation. Attendance at meetings is free and voluntary.

Membership entails no obligations or ties but bestows the privilege of participating in the meeting of speakers and the organisation and arrangement of meetings.

Further enquiries concerning meetings, proposed topics, and membership may be made by contacting Jim Underwood, Science IV, 18 Bowns Rd., Kogarah, phone 58-5305, or Kitty Ness, Arts II, 24 Hamilton St., Bexley, phone 59-8557.

Degree of Bachelor of Arts—Requirements

1. The degree of Bachelor of Arts shall be conferred as a degree in General Studies or as a degree in Special Studies or as a degree in Combined Special Studies.
2. Except where special provision is made in the By-laws or by special permission of Faculty, no student may enrol in courses qualifying for a degree in the Faculty of Arts at the same time as he is enrolled for any other degree.

B.A. in General Studies

3. The course of study for the degree of Bachelor of Arts in General Studies shall extend over not fewer than three years for a Pass degree and over not fewer than four years nor more than five years for a degree with Honours. Honours shall be awarded in three classes: Class I; Class II (in two divisions); and Class III.

Pass Degree Requirements

4. Candidates for the Pass degree of Bachelor of Arts in General Studies shall meet the following requirements:—
 - (a) Ten qualifying courses shall be taken and not more than four of these may be taken in any one year.
 - (b) The ten qualifying courses selected by a candidate shall include:—
 - (i) one subject studied in three consecutive courses and three other subjects each studied in two consecutive courses and one subject studied for a single course;
or
 - (ii) two subjects each studied in three consecutive courses and two other subjects each studied in two consecutive courses;
or
 - (iii) two subjects each studied in three consecutive courses, one other subject studied in two consecutive courses and two subjects each studied in a single course.
 - (c) Of the ten qualifying courses, not more than six shall be taken from any one group of the groups specified below. At least two courses shall be taken from Group VII. These shall normally form a sequence, but in exceptional circumstances Faculty may allow a student to take two courses from Group VII which are not consecutive. If courses in Scientific Thought are taken, no other courses from Group VII may be counted towards the degree. Not more than four courses from Group VII, and not more than seven courses from Groups VI and VII may be counted towards the degree.

- (d) Except by special permission of Faculty on the recommendation of the Heads of Schools concerned, a course in Drama can be taken only if English or French or German is studied concurrently at the same level.

5. Grouping of courses available in the general degree:—

Group I:	English and Drama	English (three courses) Drama (three courses)
Group II:	French and German	French (three courses) German (three courses)
Group III:	History and Political Science	History (three courses) Political Science (two courses) Australian Studies (one course only, available to students who have successfully completed one year in the Faculty).
Group IV:	Social Sciences	Economics (three courses) Psychology (three courses) Sociology (three courses)
Group V:	Philosophy	Philosophy (three courses)
Group VI:	Mathematics and Statistics	Mathematics (three courses) Statistics (two courses)
Group VII:	Natural Sciences	Scientific Thought (three courses) Physics (two courses) Chemistry (two courses) Biological Sciences (two courses) (The first course is General Biology followed by either Botany I or Zoology I as the second course). Geology (two courses)

Honours Degree Requirements

- Candidates for the Honours degree of Bachelor of Arts in General Studies shall be required to attend qualifying courses for not fewer than four years and must complete their course within five years.
- In order to qualify for admission to the fourth year, candidates shall be required to have met all requirements for the Pass degree, and

in the ten qualifying courses thus completed to have obtained Credit or Distinction in at least five of them.

In their fourth year candidates shall attend two further qualifying courses, each such course to be Course III of a subject already completed in Courses I and II.

Students who have met the Pass degree requirements under Clause 4 (b) (iii) are not eligible for a General Honours degree.

8. Candidates for Honours may be required to take both the Pass and Distinction syllabuses in either or both of their fourth year qualifying courses. Alternatively, they may be required to take additional studies in fields common to the subjects that will have been taken in three consecutive courses.
9. The grade of Honours awarded shall be based on a consideration of each candidate's record in all four years of his course.
Honours shall not be awarded in particular Schools, but shall be listed as Honours in General Studies.

B.A. in Special Studies (and Combined Special Studies)

10. The courses of study for the degree of Bachelor of Arts in Special Studies shall include nine qualifying courses and shall extend over four years. In exceptional cases Faculty may allow a fifth year for the completion of the Special degree.
11. The degree of Bachelor of Arts in Special Studies may be taken at the Honours level only. Honours shall be awarded in the following classes: Class I; Class II (in two divisions); and Class III.

B.A. in Special Studies

12. Candidates may present themselves in any one of the following subjects: (i) English; (ii) History; (iii) Philosophy; (iv) Scientific Thought; (v) Psychology; (vi) Sociology; (vii) Economics; (viii) Mathematics; (ix) Drama.
13. Suitable candidates may be admitted to the course for the B.A. in Special Studies in one of the Schools of the Faculty at the beginning of their first year. Except where Faculty, on the recommendation of the Head of the School, may otherwise determine, a candidate shall be required to obtain in his first year Credit or Distinction in the subject or subjects in which he wishes to pursue special studies.
14. Candidates who fail to meet the necessary standards of competence may transfer to the degree in General Studies, and shall then satisfy requirements under Clauses 4 and 5.
15. Suitable candidates may transfer at the beginning of the second year from the course in General Studies to a course for the degree in Special Studies of the Faculty, provided that, except where

Faculty on the recommendation of the Head of the School may otherwise determine, the candidate shall have obtained in his first year Credit or Distinction in the subject or subjects in which he wishes to pursue Special Studies.

16. (a) Candidates for a Special Degree of Bachelor of Arts in all Schools of the Faculty save Economics and Drama shall take a Course I of their special subject in the first year, Course II in the second year, Courses IIIA and IIIB in the third year and Course IV in the fourth year. Candidates shall be required to take Courses II, IIIA and IIIB in both Pass and Distinction syllabuses, except where Course IIIB is a Distinction course only, in which case Course IIIB shall be not less in content and require no fewer hours in formal tuition than Course IIIA Pass and IIIA Distinction together.
 - (b) Candidates for the degree of Bachelor of Arts in Special Studies in the School of Economics shall take Course I in the first year, Courses II and IIIA in the second year, Course IIIB in the third year and Course IV in the fourth year. Candidates shall be required to take Courses II and IIIA in the Pass and Distinction syllabuses, and Course IIIB will be equivalent in content and hours of formal tuition to the Pass and Distinction elements of Course IIIA together.
 - (c) Candidates in Drama shall be required to take concurrently the Pass course in English or French or German at the same stage as their Drama courses in their first and second years. Notwithstanding the preceding requirements in this regulation, candidates in Drama in the third year shall take Drama IIIA (Pass and Distinction) and Drama IIIB (Distinction only) together with English IIIA (Pass). Drama IIIB (Distinction) shall be so designed as to ensure that Drama IIIB (Distinction) and English IIIA (Pass) together shall not be less in content and require no fewer hours in formal tuition than Drama IIIA (Pass and Distinction).
17. Except where Faculty, on the recommendation of the Head of the School, may otherwise determine, candidates for Honours must obtain a grade of Credit or Distinction in their special subject in all years.
 18. Except where Faculty, on the recommendation of the Head of the School may otherwise determine, in their first and second years (in the case of Economics students, in their first and third years) candidates shall be required to do four additional subsidiary courses. These courses may comprise two consecutive courses in each of two subjects, or two consecutive courses in one subject

and two single courses. Unless Faculty otherwise determines, at least two of the courses shall be from Group VII. In exceptional circumstances, Faculty may allow a student to take two courses from Group VII which are not consecutive. The subsidiary courses studied (other than those from Group VII) shall be open to prescription by the Head of the School in which the degree in Special Studies is taken.

19. On the recommendation of the Examinations Committee, the Faculty may recommend the award of the general B.A. degree to students who have completed at least eight courses in accordance with the regulations for the B.A. degree in Special Studies and have obtained Credit or Distinction in at least two of them beyond the first year level. Alternatively, Faculty may recommend to the Professorial Board the completion of an additional course or courses before the award of the general B.A. degree.

B.A. in Combined Special Studies

20. Candidates may present themselves in combinations of two subjects of study, provided that the combinations proposed by candidates are approved by the Heads of Schools concerned. Candidates deemed suitable at the end of the first year will be formally admitted as students in Combined Special Studies.
21. Candidates thus admitted shall be required to take nine courses including three consecutive courses of one of their special subjects of study, three consecutive courses of the other special subject of study, and a combined Course IV comprising studies jointly prescribed by the Heads of the two Schools concerned.
Courses II and IIIA shall be taken in both Pass and Distinction syllabuses. Where a Course IIIB involves a Pass as well as a Distinction component, that course may, with the permission of the Head of the School, be substituted for Course IIIA. Where one of the two special subjects is Economics, Courses II and IIIA Economics shall be taken in second year together with Course II of the other special subject, and Course IIIA or, if appropriate, Course IIIB of the latter subject shall be taken in third year.
In addition to these seven courses, candidates except those taking Scientific Thought as one of their special studies shall be required to take consecutive courses in either Scientific Thought or some other subject from the Natural Sciences group. In exceptional circumstances, Faculty may allow a student to take two courses from Group VII which are not consecutive or one subject from Group VII only.
22. Candidates who fail to meet the necessary standards of competence may transfer to the degree in General Studies, and shall then satisfy requirements under Clauses 4 and 5.

23. Except where Faculty, on the recommendation of the Head of the School, may otherwise determine, candidates for Honours must obtain in their special subjects a grade of Credit or Distinction in all years. Honours shall be listed as Honours in Combined Special Studies.
24. On the recommendation of the Examinations Committee, the Faculty may recommend the award of the general B.A. degree to students who have completed at least eight courses in accordance with the regulations for the B.A. degree in Special Studies and have obtained Credit or Distinction in at least two of them beyond the first year level. Alternatively, Faculty may recommend to the Professorial Board the completion of an additional course or courses before the award of the general B.A. degree.

Admission with Advanced Standing

25. (a) Graduates of another Faculty of this University may be admitted with Advanced Standing in the Faculty of Arts, with credit for not more than four recognised Arts courses already completed in the other Faculty in this University.
- (b) Graduates of other Universities in Faculties other than Arts may be admitted with Advanced Standing in the Faculty of Arts, with credit for not more than three recognised Arts courses already completed at that other University, not including a Course III.
- (c) Students transferring from the Faculty of Arts in other Universities may be admitted with Advanced Standing, with credit for not more than four courses completed at that University, not including a Course III.
- (d) Under special circumstances credit towards an Arts degree may be given for not more than two appropriate Arts subjects at the level of Course I, taken at another University and not included in the Arts curriculum of the University of New South Wales.
26. Where application is made for admission with Advanced Standing under Regulation 25, special consideration may be given by Faculty to (i) graduates in other Faculties of this University who have an Honours degree (or a degree with Honours) and to (ii) students who wish to take a degree with Honours in the Faculty of Arts.

Courses Available for Degree of Bachelor of Arts

The following is a complete list of subjects which may be taken in accordance with the regulations set out above for the award of the degree of Bachelor of Arts.

The hours are for formal course work in each subject. However, additional time is devoted to tutorials or seminars in some subjects, particularly at the distinction level. The distinction syllabus incorporates the equivalent pass syllabus plus additional work. The hours shown for distinction subjects are for the combined pass and distinction syllabus.

								Hours per week for 3 Terms
Group I								
50.111	English I	....	....	....	....	....	....	3
50.112	English II	....	....	....	....	....	....	3
50.122	English II (Distinction)	....	....	....	....	....	....	5
50.113	English IIIA	....	....	....	....	....	....	3
50.123	English IIIA (Distinction)	....	....	....	....	....	....	4
50.133	English IIIB	....	....	....	....	....	....	3
50.143	English IIIB (Distinction)	....	....	....	....	....	....	4
50.114	English IV (Honours)	....	....	....	....	....	....	5
57.211	Drama I ..	....	....	....	....	....	....	4
57.212	Drama II	....	....	....	....	....	....	3
57.222	Drama II (Distinction) ..	....	....	....	....	....	....	5
57.213	Drama III	....	....	....	....	....	....	3
57.223	Drama IIIA (Distinction)	....	....	....	....	....	....	6
57.233	Drama IIIB (Distinction)	....	....	....	....	....	....	6
57.224	Drama IV (Distinction)	....	....	....	....	....	....	4
Group II								
56.111	French I	....	....	....	....	....	....	4
56.112	French II	....	....	....	....	....	....	4
	French III	....	....	....	....	....	....
	French IV (Honours) ..	....	....	....	....	....	....
	German I	....	....	....	....	....	....
	German II	....	....	....	....	....	....
	German III	....	....	....	....	....	....
	German IV (Honours)	....	....	....	....	....	....
								Offered by the Departments of French and German, University of Sydney.
Group III								
51.111	History I	....	....	....	....	....	....	3
51.112	History II	....	....	....	....	....	....	3
51.122	History II (Distinction)	....	....	....	....	....	....	4½
51.113	History III	....	....	....	....	....	....	3
51.123	History IIIA (Distinction)	....	....	....	....	....	....	4½
51.133	History IIIB (Distinction)	....	....	....	....	....	....	4½
51.114	History IV (Distinction)	....	....	....	....	....	....	6
51.211	Australian Studies (one course only)	....	....	....	....	....	....	3
54.111	Political Science I	....	....	....	....	....	....	3
54.112	Political Science II*	....	....	....	....	....	....	3
54.122	Political Science II* (Distinction)	....	....	....	....	....	....	5

* Students may enquire from the Department of Political Science about the availability of courses in Political Science III (Pass and Distinction).

Group IV

12.011	Psychology I	5
12.022	Psychology II	6
12.012	Psychology II (Distinction)	8
12.023	Psychology IIIA	6
12.033	Psychology IIIA (Distinction)	8
12.034	Psychology IIIB (Distinction)	8
12.035	Psychology IV (Honours)	6
15.101	Economics I	3
15.102	Economics II	3
15.112	Economics II (Distinction)	3
15.103	Economics IIIA	3
15.113	Economics IIIA (Distinction)	3
15.123	Economics IIIB (Distinction)	4-5
15.104	Economics IV (Honours)	6
53.111	Sociology I	3
53.112	Sociology II	3
53.122	Sociology II (Distinction)	5
53.113	Sociology IIIA	3
53.123	Sociology IIIA (Distinction)	6
53.133	Sociology IIIB	3
53.143	Sociology IIIB (Distinction)	6
53.114	Sociology IV (Honours)	6

Group V

52.111	Philosophy I	3
52.112	Philosophy II	3
52.122	Philosophy II (Distinction)	5
52.113	Philosophy IIIA	4
52.123	Philosophy IIIA (Distinction)	6
52.133	Philosophy IIIB (Distinction)	6
52.114	Philosophy IV (Distinction)	6

Group VI

10.001	Mathematics I	6
10.111	Pure Mathematics II	5
10.121	Pure Mathematics II (Higher)	6
10.112	Pure Mathematics III	5
10.122	Pure Mathematics III (Higher)	7
10.123	Pure Mathematics IV (Honours)*	—
10.211	Applied Mathematics II	7
10.221	Applied Mathematics II (Higher)	7
10.212	Applied Mathematics III	7
10.222	Applied Mathematics III (Higher)	8
10.223	Applied Mathematics IV (Honours)*	—
10.311	Theory of Statistics I	7
10.321	Theory of Statistics I (Higher)	8
10.312	Theory of Statistics II	8
10.322	Theory of Statistics II (Higher)	9
10.323	Theory of Statistics III (Honours)*	—

Group VII

1.001	Physics I	6
1.112	Physics II	7
2.001	Chemistry I	6
2.002	Chemistry II	9

* Details available from the appropriate School.

								Hours per Week for 3 Terms
17.001	General Biology	....	....	....	....	....	....	6
17.301	Botany I	....	....	....	....	....	....	9
17.401	Zoology I	....	....	....	....	....	....	9
25.511	Geology I	....	....	....	....	....	....	6
25.562	Geology II	....	....	....	....	....	....	7
52.151	Scientific Thought I	....	....	....	....	....	....	3
52.152	Scientific Thought II	....	....	....	....	....	....	3
52.162	Scientific Thought II (Distinction)	....	....	....	....	....	....	5
52.153	Scientific Thought III	....	....	....	....	....	....	3

Faculty Requirements

Attendance at Lectures

Undergraduates reading for the Degree of Bachelor of Arts must attend the prescribed lectures in each subject of their course. Where a student wishes to be absent from lectures application should be made to the Head of the School concerned.

From time to time because of illness or other circumstances beyond their control, students may be unable to attend lectures. In such cases the students concerned should inform the Head of the School in writing of the circumstances leading to their absence.

Essays and Assignments

From time to time students are required to submit essays and exercises. All written work must be submitted as required and the standard of the written work submitted will be taken into account in assessing students' results.

Admission to the Annual Examination

Students who fail to maintain a satisfactory record of attendance at lectures and tutorial classes or to submit written work when called upon to do so may be excluded from the Annual Examination.

Admission to Honours School

Students who wish to read for Honours must apply to the Head of the School in which they are specialising at the end of the first year of full-time study.

Students who fail to make application at the appropriate date but nevertheless wish to read for Honours should apply to the Head of the School concerned. In exceptional cases Faculty is prepared to admit such students to the appropriate Honours School.

Rules for Progression

Certain subjects must be passed as a prerequisite for taking others. Students should enquire from the Heads of Schools before planning their programmes.

Higher Degrees

The degrees of Master of Arts, Master of Librarianship and Doctor of Philosophy are awarded in the Faculty of Arts. The conditions governing the award of these degrees are published in the University Calendar.

Courses of Study for Bachelor of Arts Degree

The following table sets out those subjects which may be taken for the award of the B.A. degree in accordance with the regulations governing the award of the degree set out earlier. The subjects are here arranged in the groups by which they are classified in Paragraph 5 of the B.A. Regulations.

Group	Subject	Offered by
I	English.....	School of English
	Drama.....	Department of Drama
II	French.....	School of Western European Languages
	German.....	Department of German, University of Sydney
III	History.....	School of History Department of Political Science
	Australian Studies.....	
	Political Science.....	
IV	Economics.....	School of Economics
	Psychology.....	School of Applied Psychology
	Sociology.....	School of Sociology
V	Philosophy.....	School of Philosophy
VI	Mathematics.....	School of Mathematics
	Statistics.....	
VII	Scientific Thought.....	School of Philosophy
	Physics.....	School of Physics
	Chemistry.....	School of Chemistry
	General Biology	School of Biological Sciences
	Botany.....	
	Zoology.....	
	Geology.....	School of Applied Geology

Descriptions of these subjects, together with lists of prescribed text and reference books, are given in the pages which follow.

ENGLISH

50.111 ENGLISH I

Outline of Course

A course of 90 lectures plus tutorials.

A. Language (30 lectures).

- (i) An introduction to the study of the spoken language, and Phonetics.
- (ii) The history of English.
- (iii) The structure of modern English: syntax, usage, semantics, prose style.

B. Literature (60 lectures).

An examination of the characteristics, principal kinds, and development, in English Literature, of

- (i) The novel,
- (ii) drama, and
- (iii) poetry.

Text Books

A. LANGUAGE

Mitchell, A. G.: *Spoken English* (Macmillan).

Wrenn, C. L.: *The English Language* (Methuen).

B. LITERATURE

(i) *The Novel*

Defoe: *Moll Flanders*.

Smollett: *Humphry Clinker*.

Jane Austen: *Emma*.

Scott: *Old Mortality*.

Hawthorne: *The Scarlet Letter*.

Thackeray: *Vanity Fair*.

Conrad: *Lord Jim*.

Woolf, Virginia: *To the Lighthouse*.

Furphy: *Such is Life* (Angus and Robertson).

(except where specified, in any complete edition, e.g. Penguin, Everyman).

(ii) *Drama*

— Everyman, ed. A. C. Cawley (Manchester U.P.).

Marlowe: *Tamburlaine* (any edition, e.g. World's Classics, O.U.P.).

Shakespeare. *Richard III*

Much Ado About Nothing

Othello

{ (these three in any good complete edition, e.g. ed. Alexander [Collins] or in separate volumes of e.g. the new Arden edition, the Players' Shakespeare or the Signet Classics).

Jonson: *Volpone*.

Congreve: *The Way of the World*

{ (these two in Morrell, J. M. ed.: *Four English Comedies* [Penguin]).

Shaw: *St. Joan* (Penguin).

Eliot: *Murder in the Cathedral* (Faber).

Miller: *Death of a Salesman* (Penguin).

Stewart: *The Golden Lover* (Angus and Robertson).

(iii) *Poetry*

Hayward, J. (ed.): *The Penguin Book of English Verse*.

Gardner, Helen (ed.): *The Metaphysical Poets* (Penguin).

Milton: *Paradise Lost*, Books I and II (any good edition).

50.112 ENGLISH II

Outline of Course

A course of 90 lectures plus tutorials. Twentieth Century Literature in English (including Irish, American and Australian Literature). The course will include some ten lectures on modern prose style and will deal with the work of the following writers:

(i) *Prose Fiction*

Forster, D. H. Lawrence, Joyce; Hemingway, Faulkner; Patrick White (*Voss*).

(ii) *General Prose*

Strachey.

(iii) *Poetry*

Hopkins, Yeats, Eliot, Auden, Robert Frost, together with selected Australian poetry.

(iv) *Drama*

Shaw; Synge, Yeats, O'Casey; Eliot; O'Neill.

Recommended Reading

(i) *Prose Fiction*

Forster: *The Longest Journey, Howards End, A Passage to India*.

D. H. Lawrence: *Sons and Lovers, The Rainbow, Women in Love*.

Joyce: *Dubliners, Ulysses*.

Hemingway: *The Sun also Rises (Fiesta), A Farewell to Arms, For Whom the Bell Tolls, Men and Women*.

Faulkner: *The Sound and the Fury; Absalom, Absalom; Light in August; The Hamlet; Go Down, Moses*.

White: *Voss*.

(ii) *General Prose*

Strachey: *Eminent Victorians, Queen Victoria, Elizabeth and Essex, Portraits in Miniature*.

(iii) *Poetry*

Hopkins: *The Poetry of Gerard Manley Hopkins*, ed. W. H. Gardner (Penguin).

Yeats: *Collected Poems* (Macmillan).

Eliot: *Collected Poems* (Faber).

Auden: *The Poetry of W. H. Auden* (Penguin).

Frost: *Selected Poems* (Penguin).

Stewart, Douglas (ed.): *Voyager Poems* (Jacaranda Press).

(iv) *Drama*

Shaw: *Plays Pleasant, Plays Unpleasant, Three Plays for Puritans, Man and Superman* (Penguin).

Synge: *Plays, Poems and Prose* (Everyman) or *Six Plays* (Four Square Books).

Yeats: *Collected Plays* (Macmillan).

O'Casey: *Collected Plays (Three Plays* [Macmillan] may be purchased for part only of the recommended reading).

Eliot: *The Family Reunion, The Cocktail Party, The Confidential Clerk* (Faber).

O'Neill: To be prescribed.

50.122 ENGLISH II (DISTINCTION)

Outline of Course

A course of 60 hours additional to the Pass Course (50.112).

1. An introduction to Old and Middle English Language and Literature, together with a study of Linguistics.
2. Elizabethan Literature to 1600: selected plays by Lyly, Peele, Kyd, Marlowe, Greene, Shakespeare; the poetry of Sidney, Spenser, Raleigh, Shakespeare and Campion; selected prose by Lodge, Nashe and Deloney, with selected translations and Voyages.

Text Books

(i) Language

Sweet, H.: *Anglo-Saxon Primer* (O.U.P.)

Chaucer, G.: *The Works of Geoffrey Chaucer*, ed. F. N. Robinson, second edition (Houghton Mifflin).

(ii) Literature

Bullett, G. (ed.): *Silver Poets of the Sixteenth Century* (Everyman).

Muir, K. (ed.): *Elizabethan and Jacobean Prose 1550-1620* (Pelican Book of English Prose, I).

Spenser, E.: *Poetical Works* (O.U.P.).

ENGLISH III

Students studying for a Special Honours Degree in English take both English IIIA (courses 50.113 and 50.123) and English IIIB (courses 50.133 and 50.143).

Students studying for a combined Special Honours Degree including English take English IIIA (courses 50.113 and 50.123).

Students studying for the Pass Degree take 50.113 only.

ENGLISH IIIA

50.113

A course of 90 lectures on the Literature of the eighteenth and nineteenth centuries, together with further study of Shakespeare (Tragedies and Histories). Students are expected to read as widely as possible in the work of the following authors:

Dryden, Pope; Swift; Richardson, Fielding, Sterne; Johnson and Boswell; Blake, Wordsworth, Coleridge, Byron, Keats, Tennyson, Browning; Melville, Dickens, George Eliot, Henry James.

No text books will be prescribed. Students purchasing their own copies of the poetry are advised to buy the edition in the Oxford Stand-

ard Authors, where available, or for Keats, the *Complete Poetry and Selected Prose*, ed. Briggs (Modern Library College edition).

50.123

A course of 30 hours additional to the Pass course (50.113). A study of some main themes and forms in Middle English Literature.

Text Books

Sisam, K. (ed.): *Fourteenth Century Prose and Verse* (O.U.P.).

Chaucer, G.: *The Works of Geoffrey Chaucer*, ed. F. N. Robinson, second edition (Houghton Mifflin).

ENGLISH IIIB

50.133

Available in 1964 to Honours students only. A course of 90 lectures on other chosen writers of the eighteenth and nineteenth centuries, together with a study of Shakespeare's Comedies and "Problem Plays".

Except where otherwise specified, students are expected to read as widely as possible in the works of the following authors, together with selected works of Romantic criticism:

Defoe; Smollett; Gray and Collins, Thomson, Crabbe, Shelley; Jane Austen, Scott, Thackeray, the Brontës; Poe, Landor, Arnold, Rossetti, Swinburne; Whitman, Emily Dickinson; Boldrewood (*Robbery Under Arms*), Clarke (*For the Term of his Natural Life*); Meredith (Poetry and *The Egoist*), Hardy (Poetry and *The Return of the Native*); Mark Twain, Stephen Crane; Wilde.

No text books will be prescribed. Students purchasing their own copies of the poetry are advised to buy the edition in the Oxford Standard Authors, where available.

50.143

A course of 30 hours additional to 50.133. A further study of Old English and Linguistics.

Text Books

Sweet, H.: *An Anglo-Saxon Reader*, rev. C. T. Onions (O.U.P.).

Potter, S.: *Modern Linguistics* (Deutsch).

50.114 ENGLISH IV (HONOURS)

Outline of Course

A course of approximately 150 hours of lectures and tutorials on

- (a) English literature of the seventeenth century;
- (b) the history and methods of literary scholarship.

No books will be prescribed. A special study will be made of the work of the following authors:

- (i) *Drama*
Jonson, Chapman, Marston, Tourneur, Webster, Middleton, Beaumont and Fletcher; Shakespeare ("Romances" and *Henry VIII*); Massinger, Ford, Shirley; Dryden, Otway, Etherege, Sedley, Wycherley, Congreve.
- (ii) *Poetry*
Jonson, Donne, Herbert, Vaughan, Crashaw, Traherne; Herrick and the Cavaliers; Milton; Marvell; Waller, Cowley; Butler; Rochester, Sedley, Dorset.
- (iii) *Prose*
Donne, Bacon, Burton, Taylor, Fuller, Walton, Milton, Browne, Pepys, Evelyn, Aubrey, Bunyan, and selected writers of fiction.

DRAMA

Drama courses offered within the Faculty of Arts are not intended to equip a student for the profession of theatre. The National Institute of Dramatic Art, now established in the University, is concerned with vocational training and the practice of the theatre arts. The Department of Drama is concerned rather with liberal education and an evaluation of those arts. At the same time the Institute will serve as a workshop or laboratory for the practical work which will supplement the lectures offered by the Drama Department.

57.211 DRAMA I

This is a general survey in ninety lectures of the chief pieces of dramatic literature from Aeschylus and Sophocles to the dramatists of the twentieth century. The course is designed on the one hand as a general introduction to all other drama courses, and on the other hand as a study of world drama for students who do not plan to take further drama courses. There are also thirty additional laboratory classes on practical theatre problems.

Text Books

Aeschylus: *Agamemnon*.
Sophocles: *Oedipus the King*.
Euripides: *The Trojan Women*.
Aristophanes: *The Frogs*.

Terence: *The Brothers*.
Kalidasa: *Shakuntala*.
Kwanami: *Sotoba Komachi*.
Shakespeare: *Hamlet*.

De Vega: *Fuente Ovejuna*.
Molière: *The Misanthrope*.

Racine: *Phaedra*.

Goethe: *Faust*.

Gogol: *The Inspector*.

Turgenev: *A Month in this Country*.

All the above plays are contained in *The Treasury of the Theatre*, ed. Gassner (Simon and Schuster).

Ibsen: *Ghosts*.

Ibsen: *Hedda Gabler*.

Hauptmann: *The Weavers*.

Wedekind: *The Tenor*.

Tolstoy: *The Power of Darkness*.

Chekov: *The Cherry Orchard*.

Lorca: *Blood Wedding*.

Kapek: *R.U.R.*

Pirandello: *Six Characters in Search of an Author*.

Sartre: *The Flies*.

O'Neill: *The Hairy Ape*.

Thornton Wilder: *Our Town*.

Reference Books

Nagler, A. M.: *A Source Book in Theatrical History* (Dover).

Brecht: *The Caucasian Chalk Circle*.

Brecht: *The Good Woman of Setzuan*.

Both contained in *Parables for the Theatre* (Evergreen Paperbacks).

57.212 DRAMA II

Ninety lectures. The period covered in this course begins with classical Greece and ends with Elizabethan England. Here the subject matter is more specialized than in Drama I; as much attention is paid

to theatrical history as to drama. Thus theatre architecture, costumes, scenery, and acting — much of this from pictorial sources — are studied along with the dramas.

Text Books

Aeschylus: *Prometheus Bound*.
Sophocles: *Philoctetes*.
Euripides: *Medea*.
Aristophanes: *Lysistrata*.
Plautus: *Menaechmi*.
Seneca: *Thyestes*.
Bentley (ed.): *The Classic Theatre Vol. III* (Doubleday Anchor), some selected plays.
Adams, J. Q.: *Chief Pre-Shakespearean Dramas* (Harrap), some selected plays.
Shakespeare: some selected plays.
Further plays by the authors named above may be prescribed.

Reference Books

Beiber, M.: *The History of the Greek and Roman Theatre* (Princeton).
Flickinger, R. S.: *The Greek Theatre and its Drama*.
Chambers, E. K.: *The Medieval Stage* (Oxford).
Wickham, G.: *Early English Stages* (Kegan, Paul).
Craig, H.: *English Religion and Drama of the Middle Ages*.
Chambers, E. K.: *The Elizabethan Stage* (Oxford).
Cohen, G.: *Histoire de la Mise en Scène dans le Théâtre religieux français du moyen âge*.
Nicoll, A.: *The Development of the Theatre* (Harrap).
Laver, J.: *Drama, its Costume and Decor* (Studio).
and further reference books to be assigned.

57.222 DRAMA II (DISTINCTION)

Sixty lectures. This course is concerned with tragedy, its theoreticians and critics. The course is divided roughly into two parts; classical and modern tragedy. In the first part the principal tragedies of Aeschylus, Sophocles, and Euripides are studied along with Aristotle, Horace, Scaliger, Castelvetro, Corneille, Lessing, and other critics and theoreticians of classical tragedy. In the second half of the course Shakespeare's four great tragedies — *Lear*, *Hamlet*, *Macbeth*, and *Othello* — are studied in conjunction with his principal critics, from the seventeenth to the twentieth centuries.

Text Books

Butcher: *Aristotle's Theory of Poetry and Fine Art* (Dover).
Clark, B. (ed.): *European Theories of the Drama* (Crown).
Nichol Smith, D.: *Shakespeare Criticism 1623-1840* (World Classics 212).
Ridler, A.: *Shakespeare Criticism 1919-1935* (World Classics 436).
and certain plays by the following authors: Aeschylus, Sophocles, Euripides, Seneca, Shakespeare.

Reference Books

Harrison, Jane: *Prolegomena to the Study of Greek Religion* (Meridan).
Frazer, Sir J.: *The Golden Bough* (1-volume edition, Macmillan).
Nietzsche, F.: *The Birth of Tragedy* (Random House).
Brooks, C. (ed.): *Tragic Themes in Western Literature* (Yale).
Sewall, R. B.: *The Vision of Tragedy*.

Steiner, G.: *The Death of Tragedy* (Faber).
Kitto, H. D. F.: *Greek Tragedy* (Doubleday Anchor).
Kitto, H. D. F.: *Form and Meaning in Drama* (University Paperback).

57.213 DRAMA III

Ninety lectures. This course follows the same structure as Drama II and is a sequel to it. Generally, the course covers the period from the Italian Renaissance to the twentieth century. The principal subjects are: the Serlian scene, the English Court stage and Inigo Jones, the Commedia dell'Arte, the English Restoration, Molière, Racine, and the seventeenth-century French stage, Garrick and the eighteenth-century English stage, Schiller and the Germans, the English actor-managers of the nineteenth century, and modern stagecraft. Pictorial materials are used extensively in this course.

Text Books

Plays by the following authors will be prescribed:
Jonson, Molière, Racine, Goethe, Schiller, von Kleist, Goldoni, Gozzi, Strindberg, Ibsen, Maeterlinck, Toller, Chekov, Claudel, Cocteau, Sartre, Pirandello and O'Neill.

Reference Books

Duchartre, P. J.: *The Italian Comedy*.
Kennard, J. S.: *Masks and Marionettes*.
Smith, W.: *The Commedia Dell'Arte*.
Campbell, L. B.: *Scenes and Machines on the English Renaissance Stage* (Barnes and Noble).
Nicoll, A.: *Stuart Masques and the Renaissance Stage* (Harrap).
Appia, A.: *The Work of Living Art* (Miami University).
Craig, C.: *On the Art of the Theatre*.
Bruford, W. H.: *Theatre, Drama, and Audience in Goethe's Germany*.
Lancaster, H. C.: *History of French Dramatic Literature* (Johns Hopkins).
Macgowan and Jones: *Continental Stagecraft*.
together with other critical works and some other books assigned for reference in Drama II.

57.223 DRAMA IIIA (DISTINCTION)

This course of thirty lectures is concerned with the techniques of comic writing and with the sources of humour. The devices of situation and character which have been employed for comic effect from the time of Aristophanes to that of Coward are studied with reference both to classical comedies and to the perennial theatre which lacks a literature but which has provided the staple diet of entertainment in all periods of history.

Text Books

Meredith, G.: *An Essay on Comedy* (Doubleday Anchor).
Bergson, H.: *Laughter* (Doubleday Anchor).
and certain plays by the following authors:
Aristophanes, Terence, Plautus, Goldoni, Molière, Congreve, Farquahar, Beaumarchais, Pinero, Gogol, Chekov, Behrman and Coward.

Reference Books

Clark, B. (ed.): *European Theories of the Drama* (Crown).
Crawford, F. M.: *The Origin of Attic Comedy* (Doubleday Anchor).
Nicoll, A.: *An Introduction to Dramatic Theory* (Harrap).

57.233 DRAMA IIIB (DISTINCTION)

This is a course consisting of thirty lectures on eighteenth and nineteenth century English Shakespearean production. The main Shakespearean producers — Garrick, Kean, Phelps, Macready, and Irving — will be studied along with the minor producers. Their methods of production, their treatment of the Shakespearean texts, and their use of scenery will be in the province of the course.

Reference Books

Watson, C. B.: *Sheridan to Robertson*.
Burnim, K. A.: *David Garrick, Director* (Pittsburg).
Baker, Herschel: *John Philip Kemble*.
Southern, R.: *Changeable Scenery* (Faber).
Macready, W. C.: *Diaries*.
Lynch, James: *Box, Pit and Gallery*.
Sprague, A. C.: *Shakespeare and The Actors*.
Sprague, A. C.: *Shakespearean Players and Performances*.
Irving, L.: *Henry Irving*.
Shaw, G. B.: *Dramatic Opinions and Essays* (Constable).

57.224 DRAMA IV

This course is intended for the serious student of theatrical history who plans to study for an advanced degree. Students in Drama IV will work under guidance on special problems in theatrical and dramatic history. Textual criticism, bibliographical methods, and research on original documents will be the main concerns of this course. The students will be required to write a thesis and will be encouraged to undertake a theme concerned with Australian theatre history.

FRENCH

Courses offered by the Department of French will depart in several ways from the traditional pattern of language teaching in Australia.

In the teaching of the language itself, the main stress will be laid on developing students' ability to understand and speak French with the greatest possible degree of proficiency. With this aim in view many of the lectures and tutorials will be conducted in French. Although formal written work, including proeses and essays, will continue to occupy a central place in the syllabus, it will be supplemented by extensive periods of oral practice, much of which will be carried out in a language laboratory fitted with individual taperecorders. A stereo room will also be available for listening to performances of French plays, both classical and modern, and a wide variety of prose and poetry readings, as well as recordings of a more colloquial nature.

In its courses on French culture, the Department will be introducing another major change of emphasis. Instead of concentrating exclusively on literature, students will be encouraged to look at French civilisation as a whole. They will study the broad outlines of the political and social history of France from the sixteenth century to the present day, following the development of her traditions and institutions and the fluctuations in her power and influence. As an integral part of this perspective, they will also study, alongside the great works of French literature, outstanding achievements in other fields, notably architecture, painting and music. The School intends to make extensive use of audio-visual aids for this purpose.

Throughout the course, particular stress will be placed not only on the aesthetic qualities of French culture, but also on its intellectual content. Lectures will be given on the major contributions which the French have made to political theory, philosophy, ethics, psychological analysis and scientific thought. Students' attention will constantly be drawn to the wealth of ideas to be found in French literature, and they will be asked to express their opinions on the value of these ideas and their relevance to present-day problems. The French preoccupation with moral issues and with the analysis of human relationships, both personal and social, will receive special attention.

A novel feature of the syllabus will be a compulsory course for final year students on the problems and achievements of modern France. The main aim of this course is to ensure that students leave the University with an awareness of the new and crucial role which France is playing in the contemporary world, not only culturally but also politically and economically.

It is strongly recommended that students intending to take French should have an "A" level pass in the Leaving Certificate, or in an equivalent examination.

56.111 FRENCH I

A course of 120 hours of lectures, tutorials and seminars dealing with:

- (a) *The French Language* (60 hours).

This part of the course will consist principally of tutorials designed to develop a feeling for the basic grammatical and syntactical patterns of French, and for the sound of the spoken language. Oral work will predominate.

Text Books

Mansion, J. E.: *A Grammar of Present-Day French with Exercises* (Harrap).
Harrap's Shorter French and English Dictionary.

Reference Book

Petit Larousse (1963 edition).

- (b) *The Civilisation, Thought and Literature of the Seventeenth Century* (50 hours).

This course is intended to introduce students to the culture of France through a study of some of her greatest writers and thinkers. Topics for discussion will include French civilisation during the reign of Louis XIV, classical tragedy and comedy, poetry, philosophy, religious thought, and the literature of psychological analysis.

Text Books

Corneille: *Polyeucte* (Classiques Larousse).
Descartes: *Discours de la méthode* (Garnier).
La Fayette, Mme. de: *La Princesse de Clèves* (Droz).
La Fontaine: *Fables* (Garnier).
Lagarde, A. et Michard, L.: *XVII^e siècle* (Collection Textes et Littérature, Bordas).
La Rochefoucauld: *Maximes* (Garnier).
Molière: *Le Misanthrope* (Blackwell).
Pascal: *Pensées* (Garnier).
Racine: *Phèdre* (Classiques Larousse).

- (c) *An Introduction to Modern French Literature: The Theatre of the Absurd* (10 hours).

A short course designed to illustrate the new ways in which contemporary writers are expressing their view of the human situation. Students will be asked to compare this view with the outlook of writers in the seventeenth century.

Text Books

Beckett, S.: *En attendant Godot* (Editions de Minuit).
Ionesco, E.: *Théâtre, Vol. I* (Gallimard).

56.112 FRENCH II

(For 1964 only)

A course of 120 hours of lectures, tutorials and seminars dealing with the above subjects, and incorporating more advanced linguistic work.

Text Books

As For French I.

GERMAN

(Offered by the Department of German, University of Sydney)

ELEMENTARY GERMAN

This course, 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 the fields of history, geography, philosophy, psychology, education, music, etc.

For type (a) four lectures with an additional oral hour in small groups per week are prescribed; for type (b) two of these meetings may be omitted. The full course is open, except with special permission of the Faculty, only to students of the Faculty of Arts who have obtained a pass in a foreign language at the Leaving Certificate or an equivalent examination. In order to qualify for admission to German I, students must pass an examination held at the end of the year 1963 and a written qualifying test on prescribed vacation work, held at the beginning of Lent Term in the following year 1964. Class exercises and the reading of graded texts must meet requirements before the first examination. When followed by German I and II the full course in Elementary German will count as a qualifying course for the degree of B.A., Pass or Honours.

There is no evening course in Elementary German.

Text Books

(a) *For use in class:*

Macpherson: *Deutsches Leben I* (Ginn & Co., London).

Heath Chicago German Series of Rapid Readers (Nos. 1 and 4, first series; No. 2, alternative series).

Russon, L. J.: *Complete German Course for First Examinations* (Longmans).

Wanstall: *Tests in German Composition* (Harrap).

Kästner, Erich: *Emil und die Detektive* (Bell).

Cassell's *German and English Dictionary*, revised Betteridge (Cassell).

Die mündliche Prüfung (Pupils' Book, Harrap).

(b) *For use in work during the long vacation:*

Hearn: *Graded Composition for School Certificate Forms* (Macmillan).

Schultz: *German Verse* (Macmillan).

Contemporary German Short Stories (Nelson).

Brecht, Bertold: *Kalendergeschichten*.

GERMAN I

(Day and Evening)

Preliminary Requirements. — Pass in Leaving Certificate or Matriculation in German, or pass in Elementary German, or equivalent. Students should consult the Head of the Department in doubtful cases.

The course comprises:

- (i) Lectures on (a) The German Novelle and Drama of the Nineteenth Century, (b) German Lyric Poetry, (c) Outline History of German Literature.
- (ii) Reading, translation, explanation and discussion of prescribed texts.
- (iii) Written translation exercises into English from the prescribed texts.
- (iv) Essays (2) in English on the prescribed texts.
- (v) Written translation exercises (weekly) from English into German.
- (vi) Free composition in German (3).
- (vii) Phonetics, reading, intonation, simple conversation.
- (viii) The Geography and Institutions of Germany, Austria and Switzerland.
- (ix) History of the German Language.

Text Books

The Penguin Book of German Verse (Penguin).

Anthology, German I (Sydney University).

Keller, G.: *Romeo und Julia auf dem Dorfe* (Harrap).

Hebbel, F.: *Agnes Bernauer* (Harrap).

von Droste-Hülshoff, A.: *Die Judenbuche* (Harrap).

Fontane, Th.: *Irrungen Wirrungen* (Bertelsmann, Gütersloh).

von Kleist, H.: *Three Stories* (ed. Garland, Manchester Univ. Press).

Brecht, B.: *Geschichten* (Suhrkamp Bibliothek).

Dürrenmatt, F.: *Romulus der Grosse* (Methuen).

Students must also possess copies of:

Cassell's German and English Dictionary, revised Betteridge (Cassell).

Russon, L. J.: *Complete German Course for First Examinations* (Longmans).

Farrell, R. B.: *A Dictionary of German Synonyms* (Cambridge University Press).

G.C.E. Examination Papers for Translation, German Edition (University of London Press Ltd.).

GERMAN II (PASS)

(Day Course)

- (i) Lectures on German Literature from the beginning of the Eighteenth Century to 1832.

- (ii) Study of prescribed texts, translation and interpretation in lectures and seminar discussion.
- (iii) Essays (2) in English on the prescribed texts.
- (iv) Translation exercises from English into German (weekly).
- (v) Free Compositions (3) in German.
- (vi) Twenty lectures on German "Kulturgeschichte": from the Reformation to the Napoleonic Wars for Course II; also: Romanesque and Gothic art.
- (vii) Conversation and reading exercises.
- (viii) "Context" exercises on the prescribed texts.

Text Books

Text books for German II Day and German II and III Evening, 1964:

The Penguin Book of German Verse (Penguin).

Supplement to Penguin Book of German Verse, 1700-1832 (Sydney University).

German Thinkers, 1700-1832 (Sydney University).

von Goethe, J. W.: *Faust* (in "Bücher der Neunzehn", ed. Trunz, Christian Wagner, Hamburg).

von Goethe, J. W.: *Die Leiden des jungen Werther* (ed. Stahl, Blackwell).

von Goethe, J. W.: *Egmont, Iphigenie, Tasso* (Deutscher Taschenbuch-Verlag, No. 10).

Lessing: *Minna von Barnhelm* (Reclam).

Schiller, F.: *Kabale und Liede* (Blackwell).

Schiller, F.: *Maria Stuart* (Reclam).

von Kleist, H.: *Penthesilea and Prinz Friedrich von Homburg* (Fischer).

von Kleist, H.: *Erzählungen* (Fischer).

Tieck, L.: *Der Blonde Eckbert, Der Runenberg, Die Elfen* (Reclam).

Hoffmann, E.T.A.: *Elixiere des Teufels, Klein Zaches* (Goldmann).

Flenley, R.: *Modern German History* (Dent).

Grote, L.: *Deutsche Stilfibel* (Stockmann).

GERMAN II (HONOURS)

As for German II (Pass) and the following additional subjects:

- (i) Lectures on the literature and language of the Middle Ages; prescribed texts from this period of literature.
- (ii) Seminar discussions of additional texts from the Classical and Romantic periods of literature.

Text Books

Richey, M.: *Middle High German, An Introduction* (Hutchen, Edinburgh).

Hartmann, von Aue: *Der arme Heinrich*, ed. Bostock (Blackwell).

von der Vogelweide, Walter: *Selections*, ed. Richey (Blackwell).

Langosch (ed.): *Der Nibelunge Not* (Götschen).

Schiller, F.: *Wallensteins Lager, Die Piccolomini, Wallensteins Tod* (in 2 vols., Reclam).

GERMAN II (Evening)

GERMAN III (PASS) (Day and Evening)

- (i) Lectures on German Literature from 1832 to the present day.
- (ii) Study of prescribed texts, translation and interpretation in lectures and seminar discussions.
- (iii) Essays (2) in English on the prescribed texts.
- (iv) Translation exercises from English into German (weekly).
- (v) Free Compositions (3) in German.
- (vi) Twenty lectures on German "Kulturgeschichte" from the Napoleonic Wars to the present days, with particular attention to modern institutions.
- (vii) Conversation and reading exercises.
- (viii) An outline (five lectures) of the aims and methods of "Literaturwissenschaft".

Text Books

- Penguin Book of German Verse* (Penguin).
Supplement to the Penguin Book of German Verse, 1832 to the Present Day
(Sydney University).
German Thinkers, 1832 to the Present (Sydney University).
Büchner, L.: *Gesammelte Werke* (Goldmann).
Stifter, A.: *Brigitta* (Reclam).
Mörike, E.: *Erzählungen und Gedichte* (Goldmann).
Fontane, Th.: *Romane und Gedichte* (Knaur Klassiker).
Keller, G.: *Romeo und Julia auf dem Dorfe* (Reclam).
Gothelf, J.: *Die schwarze Spinne* (Blackwell).
Raabe, W.: *Stopfkuchen* (Rowohlt).
Mann, Th.: *Tonio Kröger* (Blackwell).
Mann, Th.: *Der Tod in Venedig* (Fischer).
Kafka, F.: *Die Erzählungen* (Fischer).
Brecht, B.: *Mutter Courage und ihre Kinder* (Suhrkamp).
von Hofmannsthal, H.: *Der Schwierige und der Unbestechliche* (Fischer).
Dürrenmatt, Fr.: *Der Besuch der alten Dame* (Arche).
Flenley, R.: *Modern German History* (Dent).

GERMAN III (HONOURS)

As for German III (Pass) and the following additional subjects:—

- (i) Lectures on the literature and language of the Sixteenth and Seventeenth Centuries; prescribed texts on these periods of literature.
- (ii) Seminar discussions of additional texts from the modern period.

Text Books

- Brooke, K.: *Introduction to Early New High German* (Blackwell).
Luther, M.: *Ein Sendbrief vom Dolmetschen* (Duckworth).
Deutsche Barocklyrik (Reclam).
von Grimmelshausen, H. J. C.: *Der abenteuerliche Simplicissimus* (Reclam).
Mann, Th.: *Buddenbrooks* (Fischer).
Rilke, R. M.: *Gesammelte Gedichte* (Insel).
Kafka, F.: *Der Prozess* (Fischer, Exempla Classica 3).

GERMAN IV (HONOURS)

Texts for 1964

1. Text-books for German IV students specialising in literature:

- (i) The later works of Goethe: Goethe, *Werke*, 2 vols. (Knaur), and the theoretical works of Schiller: Schiller, *Schriften zur Philosophie und Kunst* (Goldmann).
- (ii) Hermann Broch and the modern novel. Texts: H. Broch: *Die Schlafwandler; Der Tod des Vergil; Essays Band I (Dichten und Erkennen)* (all Rhein Verlag, Zürich).
- (iii) Modern German Drama from Expressionism to the present day.
- (iv) Aims and methods of literary criticism: W. Kayser, *Das Sprachliche Kunstwerk* (Francke).
- (v) *Althochdeutsches Elementarbuch*, ed. Naumann and Belz (Göschel); *Gotisches Elementarbuch*, ed. Hempel (Göschel); Johann von Tefl, *Der Ackermann aus Böhmen* (Blackwell); *Geschichte der deutschen Sprache*, Sperber and Fleischhauer (Göschel).

2. Text books for German IV students specializing in medieval studies and philology:

Krahe, *Germanische Sprachwissenschaft I and II* (4th revised edition, 1960, Göschel 230 and 780); Hempel, *Gotisches Elementarbuch* (3rd revised edition, 1962, Göschel, 79/79a); Braune-Helmutzka, *Altdeutsche Grammatik* (10th edition, Niemeyer, Tübingen, 1961); Paul, *Mittelhochdeutsche Grammatik bearbeitet von Mitzka* (18th edition, Niemeyer, Tübingen, 1959); Grebe, Duden, *Grammatik* (Bibliographisches Institut, Mannheim, 1959); Porzig, *Das Wunder der Sprache* (3rd edition, 1962, Sammlung Dalp 19); Weisgerber, *Grundzüge der inhaltsbezogenen Grammatik* (Schwann, Düsseldorf, 1962); Weisgerber, *Die sprachliche Gestaltung der Welt* (Schwann, Düsseldorf, 1962); Hugo Moser, *Deutsche Sprachgeschichte* (4th edition, Schwab, Stuttgart, 1961); Wolfram von Eschenbach, *Lieder, Parzival und Titurel* (7th edition by Lachmann, Hortl, Berlin, 1952).

GENERAL

General Reading

A list of books for general reading for students taking Courses II, III or IV will be posted in first term.

Graduate Seminar

A seminar discussion open to all graduates of Honours standing and compulsory for candidates for the Ph.D. will be held throughout the year on the modern novel.

Notes on the Courses in German

The following points about the courses in German should be noted:

(1) *Credit* in Course I is awarded on the result of the Pass examinations. Candidates must show higher quality than Pass students, and are advised to read widely in the literature course.

(2) *Literature* is treated in courses of lectures on (a) the general literary history of a period; (b) prescribed texts. Literature is interpreted in relation to its social background, but emphasis is also placed on the aesthetic analysis of the individual work, and students are expected to show some understanding of the nature of a work of literature and of the methods of literary criticism. Honours students specializing in literature are required to attend a special course on the history and methods of literary criticism and to give evidence of having studied wider aesthetic questions. For Honours students earlier German literature is also prescribed, but in less detail than is expected for the modern periods. Some of the lectures on literature and prescribed texts are delivered to Courses II, III and IV in German. A number of short essays are set on the texts.

(3) *The writing of German* is taught through translation and free composition. Pass students are expected to be able to apply accurately constructions and common difficult words. Free composition should be regarded as practice in the correct use of already familiar linguistic material, not as an extension of the latter. A well constructed composition in accurate German will, though restricted in range of expression, be judged more highly than ambitious attempts full of errors.

(4) *Kulturgeschichte*, the history of German civilization, is given—in German—as a background course. It consists of political and social history and the general development of the arts.

HISTORY

General

It is the general purpose of the courses taught within the School to induce an understanding of the modern world in terms of historical change and development. Nevertheless, students will be encouraged to consider human responses to historical environments in the light of antecedents rather than consequences. While courses are planned to include the categories of social, political, institutional and economic history, they are also directed towards determining the relationship between these fields in terms of culture, thought and opinion, so that the student may develop an integral understanding of each successive period with which he may be concerned. An ability to read a foreign language is regarded as a useful asset, though not as an essential prerequisite to the subject.

Courses planned by the School of History provide a broad outline of European, British and Colonial history from about 1494 to recent times. The basic structure of pass and distinction courses will follow these three topics in three successive phases in History I, II, III. More specialized courses will be available within this framework for distinction candidates. A second Stage III course, concerned with problems in Australian history, is available to distinction students only. At Stage IV History candidates for the B.A. degree in Special Studies are offered courses in the History of Historiography, British Constitutional History (late Medieval and Tudor), the History of Political Thought, Modern Russian and American History, and problems in Medieval European History. In addition to studying three of these topics, distinction students in their final year are required to undertake a limited research project.

A course in Australian Studies, provided by the School of History in co-operation with other Schools, is offered to students who have successfully completed one year in the Faculty. This course is a separate unit in the degree and may not be taken as a substitute for the general courses in History specified as prerequisites for advancement to higher stages of the subject. The course is cast in an historical framework but is cross-disciplinary in character, and involves study of Australian society and culture.

51.111 HISTORY I

A course of 90 hours, comprising lectures and tutorials. Three broad topics will be covered, one in each term.

Part (a)—European History 1494-1660

The course will be concerned with the Renaissance, the Reformation, the emergence of national states, the price revolution, the Wars of Religion, the Thirty Years War, and the rise and decline of Spain.

Text Books

- Clark, G. N.: *Early Modern Europe* (HUL).
Hale, J. R.: *Machiavelli and the Renaissance* (TYH).
Philipps, M. A.: *Erasmus and the Northern Renaissance* (TYH).
Bainton, R. H.: *The Reformation of the 16th Century*.
Neale, J. E.: *The Age of Catherine de Medici*.
Wedgwood, C. V.: *Richelieu and the French Monarchy* (TYH).

Reference Books

- Ady, C. M.: *Lorenzo de Medici and Renaissance Italy* (TYH).
Burckhardt, J.: *The Civilisation of the Renaissance in Italy* (Mentor).
Geyl, P.: *The Revolt of the Netherlands*.
Davies, R. T.: *The Golden Century of Spain*.
Davies, R. T.: *Spain in Decline*.
Wedgwood, C. V.: *The Thirty Years War* (Pelican).
Wedgwood, C. V.: *William the Silent* (University paperback).
Tawney, R. H.: *Religion and the Rise of Capitalism* (Pelican).

Part (b)—British History 1485-1688

The course will involve the study of Tudor government, the Reformation in England and Scotland, English social structure, the Puritan revolution, the Restoration, and the Revolution of 1688.

Text Books

- Bindoff, S. T.: *Tudor England* (Pelican).
Elton, G.: *England under the Tudors* (Methuen).
Ashley, M.: *England in the 17th Century* (Pelican).
Trevelyan, G. M.: *The Revolution of 1688* (HUL).
Elton, G.: *The Tudor Constitution* (Cambridge paperback).
Tanner, J. R.: *English Constitutional Conflicts of the 17th Century* (Cambridge paperback).

Reference Books

- Dickens, A. G.: *Thomas Cromwell* (TYH).
Parker, T. M.: *The Reformation in England* (HUL).
Neale, J. E.: *Queen Elizabeth I* (Pelican).
Haller, W.: *The Rise of Puritanism* (Harper Torch).
Hill, C.: *Puritanism and Revolution*.
Davies, G.: *The Early Stuarts* (Oxford History of England).
Wedgwood, C. V.: *The King's Peace; The King's War; Strafford* (3 books).
Ashley, M.: *The Greatness of Oliver Cromwell*.
Clark, G. N.: *The Later Stuarts* (Oxford History of England).

Part (c)—Expansion of Europe 1492-1664

The course will deal with the age of discovery, and the early colonial experiments of the Spanish, Portuguese, Dutch and English.

Text Books

- Bourne, E. G.: *Spain in America, 1450-1580* (University paperbacks, Barnes and Noble).

Parry, J. H.: *Europe and a Wider World* (Hutchinson U.L.).
Nye & Morpurgo: *History of the U.S.A.* (Vol. I) (Pelican).

Reference Books

Morison, S. E.: *Admiral of the Ocean Sea*.
Nettels, C. P.: *The Roots of American Civilisation*.
Andrews, C. M.: *The Colonial Period of American History*, Vols 1-4.
Panikkar, K.: *Asia and Western Dominance* (Allen & Unwin paperback).
Norwell, C. F.: *The Great Discoveries and the First Colonial Empire*.

51.112 HISTORY II

A course of 90 hours, comprising lectures and tutorials.

Part (a)—European History 1660-1815

The major part of the course will be concerned with the history of France in the eighteenth century, with particular emphasis on the enlightenment and the revolutionary period. Attention will also be given to the rise of Prussia.

Text Books

Martin, Kingsley: *French Liberal Thought in the 18th Century* (rev. edn. 1954).
Beloff, M.: *The Age of Absolutism* (Hutchinson U.L.).
Cobban, A.: *A History of Modern France*, Vol. 1 (Pelican).
Goodwin, A.: *The French Revolution* (Grey Arrow).
Fisher, H. A. L.: *Napoleon* (HUL).

Reference Books

New Cambridge Modern History, Vol. 7.
Lough, J.: *An Introduction to Eighteenth Century France*.
Ogg, D.: *Louis XIV* (HUL).
Goodwin, A. (ed.): *The European Nobility in the 18th Century*.
Geyl, P.: *Napoleon, For and Against*.
Carsten, F. L.: *The Origins of Prussia*.
Reiners, L.: *Frederick the Great*.
Rude, G.: *The Crowd in the French Revolution*.

Part (b)—British History 1688-1815

This will be a general course in British history, involving study of the structure of politics and society in eighteenth-century England, and the effects of agrarian and industrial change.

Text Books

Trevelyan, G. M.: *The English Revolution of 1688* (H.U.L.).
Marshall, D.: *Eighteenth Century England*.
Williams, E. N.: *The Eighteenth Century Constitution* (Cambridge paperback).
Pares, R.: *King George III and the Politicians*.

Reference Books

Ashton, T. S.: *The Industrial Revolution* (HUL).
Watson, J. S.: *The Reign of George III* (Oxford History of England).

Namier, L.: *England in the Age of the American Revolution*.
 Marshall, D.: *English People in the Eighteenth Century*.
 Stephen, L.: *English Thought in the Eighteenth Century* (Harbinger Paperback, 2 vols.).
 Sykes, N.: *Church and State in Eighteenth Century England*.
 Ogg, D.: *The Reigns of James II and William III*.

Part (c)—Colonial History 1664-1814

The principal themes in the course will be the conditions which led to the American Revolution, the Revolution itself and the foundation of the second British Empire.

Text Books

Nye, R. B. and Morpurgo, J. E.: *History of the United States*, Vol. 1 (Pelican).
 Harlow, V. T.: *The Founding of the Second British Empire*, Vol. 1.
 Beloff, M. (ed.): *The Debate on the American Revolution*.
 Miller, J. C.: *The Origins of the American Revolution* (revised edn. 1960).
 Thistlethwaite, F.: *The Great Experiment*.

Reference Books

Nettels, C. P.: *The Roots of American Civilisation*.
 Andrews, C. M.: *The Colonial Period of American History* (Vols. 3 and 4).
 Morison, S. E.: *Sources and Documents Illustrating the American Revolution*.
 Gipson, L. H.: *The Coming of the Revolution*.
 Becker, C.: *The Declaration of Independence*.
 Beloff, M. (ed.): *The Federalist*.
 Miller, J. C.: *The Federalist Era*.
 Williamson, J. A.: *Short History of British Expansion* (Vol. 1).

51.122 HISTORY II (DISTINCTION)

This course will consist of special study of aspects of the Pass course. Students intending to take the course should consult the School of History for reading lists and other details.

51.113 HISTORY IIIA

Part (a)—European History 1815-1939

The course traces the settlement of post-Napoleonic Europe, the revolutions of 1848, the unifications of Italy and Germany, the growth of international rivalries and alliances leading to the war of 1914-18, and the history of Europe before the Second World War.

Text Book

Thomson, D.: *Europe since Napoleon*.

Reference Books

Brogan, D. W.: *The Development of Modern France, 1870-1939*.
 Cobban, A.: *History of Modern France*, Vol. 2.
 Eyck, E.: *Bismarck and the German Empire*.
 Hobsbaum, E.: *The Age of Revolution*.
New Cambridge Modern History, Vols. X and XII.

Pinson, K.: *Modern Germany*.

Smith, D. M.: *Italy, A Modern History*.

Taylor, A. J. P.: *The Struggle for Mastery in Europe, 1848-1918*.

Walsh, W. B.: *Russia and the Soviet Union*.

Part (b)—British History 1815-1940

Social, economic and political developments in 19th and 20th century Britain are considered in this part of the course.

Text Books

Ensor, R. C. K.: *England, 1870-1914* (Oxford History of England).

Mowat, R. B.: *England, 1919-1940*.

Somervell, D. C.: *English Thought in the Nineteenth Century*.

Thomson, D.: *England in the Nineteenth Century* (Pelican).

Woodward, E. L.: *Age of Reform*.

Reference Books

Ashton, T. S.: *The Industrial Revolution* (HUL).

Briggs, A.: *The Age of Improvement*.

Bullock, A. and Deakin, F. W. (general editors): *The British Political Tradition* (specific volumes edited by R. J. White, S. Maccoby, A. Bullock and H. Pelling).

Clapham, J. H.: *Economic History of Modern Britain* (3 vols.).

Cole, G. D. H.: *Short History of the British Working Class Movement, 1789-1947*.

Cole, G. D. H.: *Chartist Portraits*.

Cole, G. D. H. (ed.): *British Working Class Movement — Select Documents*.

Court, W. H. B.: *Concise Economic History of Britain from 1750*.

Douglas, D. C. (ed.): *English Historical Documents*. Vols. XI, XII (1) and (2).

Fay, C. R.: *The Corn Laws and Social England*.

Gash, N.: *Politics in the Age of Peel*.

Halevy, E.: *History of the English People in the Nineteenth Century* (5 vols.).

Kier, D. L.: *Constitutional History of Modern Britain*.

Kitson Clark, G.: *The Making of Victorian England*.

Russell, B.: *Freedom and Organisation, 1814-1914*.

Southgate, D.: *The Passing of the Whigs*.

Wood, A.: *Nineteenth Century Britain*.

Part (c)—Colonial History 1815-1939

General topics for study include the scramble for overseas colonies by European nations, various imperial concepts and systems, and the beginning of independence movements in colonial territories.

Text Books

Panikkar, K. M.: *Asia and Western Dominance*.

Roberts, P. E. and Spear, T.: *History of British India* (revised edition, 1952).

Williamson, J. A.: *A Short History of British Expansion*, Vol. II.

Wright, H. M. (ed.): *The New Imperialism* (Heath Paperback).

Reference Books

Betts, R. F.: *Assimilation and Association in French Colonial Theory, 1890-1914*.

Dawson, R. M.: *The Development of Dominion Status, 1900-1936*.

- Furnivall, J. S.: *Colonial Policy and Practice. A Comparative Study of Burma and Netherlands India.*
 Hancock, W. K.: *Survey of British Commonwealth Affairs.*
 Hobson, J.: *Imperialism, A Study.*
 Keith: A. B.: *Select Documents in British Colonial Policy.*
 Langer, W. L.: *The Diplomacy of Imperialism, 1890-1902.*

51.123 HISTORY IIIA (DISTINCTION)

This course will consist of special study of aspects of the Pass course. Students intending to take the course should consult the School of History for reading and other details.

51.133 HISTORY IIIB (DISTINCTION)

Honours students who undertake this course will participate in seminar discussions of selected problems in Australian history from the foundations to the present day. Students are expected to draw on primary sources that illuminate aspects of Australian history in which publication is scanty, or in which the conventional interpretation requires clarification or revision. In the amount of formal work the course is equivalent to 51.113 and 51.123 combined.

Text Books

- Clark, C. M. H.: *Select Documents in Australian History* (2 vols.).
 Greenwood, G. (ed.): *Australia, A Social and Political History.*
 Clark, C. M. H.: *A History of Australia, Vol. I.*

Reference Books

- Cambridge History of the British Empire*, Vols. II and VII (Part 1).
 Crawford, R. M.: *Australia.*
 Fitzpatrick, B.: *British Imperialism and Australia, 1783-1833.*
 Gollan, R.: *Radical and Working Class Politics in Australia.*
 Grattan, C. H. (ed.): *Australia.*
 Hancock, W. K.: *Australia.*
 Kiddle, M.: *Men of Yesterday...*
 Perry, T. M.: *Australia's First Frontier.*
 Pike, D.: *Australia the Quiet Continent.*
 Shaw, A. G. L.: *Economic Development of Australia.*
 Ward, R.: *The Australian Legend.*

51.124 HISTORY IV (DISTINCTION)

Three of the following seven options will be selected. *Principal text books only are listed.* Students intending to take these courses should consult the School of History, where advice on reference books is available.

(a) *A period in the History of Historiography (The Eighteenth Century)*

- Bond, H. L.: *The Literary Art of Edward Gibbon*.
Brumfitt, J. H.: *Voltaire, Historian*.
Carr, E. H.: *What is History?*
Collingwood, R. G.: *The Idea of History*.
Gibbon, E.: *History of the Decline and Fall of the Roman Empire*.
Voltaire: *Age of Louis XIV*.

(b) *A period in British Constitutional History (1216 to 1603)*

- Elton, G. R.: *The Tudor Constitution*.
Elton, G. R.: *The Tudor Revolution in Government*.
Neale, J. E.: *Elizabeth I and her Parliaments* (2 vols.).
Pickthorn, K.: *Early Tudor Government* (2 vols.).
Wilkinson, B.: *Constitutional History of Medieval England* (3 vols.).

(c) *A period in the History of Ideas (English and French Political Thought in the Sixteenth and Seventeenth Centuries)*

- Allen, J. W.: *A History of Political Thought in the Sixteenth Century*.
Gooch, G. P.: *English Democratic Ideas in the Seventeenth Century*.
Gough, J. W.: *Fundamental Law in English Constitutional History*.
Hazard, P.: *The Crisis of the European Conscience*.
Salmon, J. H. M.: *The French Religious Wars in English Political Thought*.

(d) *Russian History in the 19th and 20th Centuries*

- Carr, E. H.: *History of Soviet Russia* (5 vols.).
Charques, R.: *Twilight of Imperial Russia*.
Deutscher, I.: *The Prophet Armed, Trotsky 1879-1921*.
Deutscher, I.: *The Prophet Unarmed, Trotsky 1921-1929*.
Seton-Watson, H.: *The Decline of Imperial Russia, 1855-1914*.
Venturi, F.: *Roots of Revolution*.
Vernadsky, G.: *History of Russia*.

(e) *American History in the 19th and 20th Centuries*

- New American Nation Series* (vols. by Billington, R. A.; Dulles, F. R.; Faulkner, H. E.; Hicks, J. D.; Link, A. S. and Mowry, G. E.).
Nye, R. B. & Morpurgo, J. E.: *History of the United States*, Vol. 2.
Schlesinger, A. M.: *Age of Jackson*.
Schlesinger, A. M.: *Rise of Modern America, 1865-1951*.

(f) *Medieval European History*

- Barracrough, G.: *Medieval Germany* (2 vols.).
Fawtier, R.: *The Capetian Kings of France*.
Ganshof, F. L.: *Feudalism*.
Kern, F.: *Kingship and Law in the Middle Ages*.
Pirenne, H.: *Medieval Cities*.
Southern, R. W.: *The Making of the Middle Ages*.
Ullmann, W.: *Growth of Papal Government in the Middle Ages*.

(g) Problems in African History

Fage, J. D.: *An Introduction to the History of West Africa*.

Lugard, Lord: *The Dual Mandate in Tropical Africa*.

Oliver, R. and Mathew, G. (eds.): *The History of East Africa* (vol. 1)

Robinson, R. and Gallegher, I.: *Africa and the Victorians*.

Walker, E. A.: *A History of South Africa*.

AUSTRALIAN STUDIES

51.211 AUSTRALIAN STUDIES

A course of 90 hours comprising lectures and tutorials, available to students who have successfully completed one year in the Faculty of Arts.

In addition to general consideration of Australian history, the course will involve the study of economic, social, and cultural developments.

Text Books

Clark, C. M. H.: *A History of Australia*, Vol. I.

Greenwood, G. (ed.): *Australia. A Social and Political History*.

Hancock, W. K.: *Australia*.

Shaw, A. G. L.: *Economic Development of Australia*.

Reference Books

Clark, C. M. H.: *Select Documents in Australian History* (2 vols.).

O'Brien, E.: *The Foundation of Australia*.

— *Cambridge History of the British Empire*, Vol. VII (a).

Fitzpatrick, B.: *British Imperialism in Australia*.

Fitzpatrick, B.: *The British Empire in Australia*.

Green, H. M.: *A History of Australian Literature*.

Ferguson, J.: *Bibliography of Australia*.

Ward, R.: *The Australian Legend*.

Kiddell, M.: *Men of Yesterday*.

POLITICAL SCIENCE

Courses in the School of Political Science are concerned with the study of political ideas, institutions and activity in such a way as to encourage a critical understanding of the problems and processes of government in different societies and at different times, and of some of the main themes that have been developed to account for, and sometimes to advocate, these governmental forms and actions. In later courses it is hoped to include study of international political institutions and of international relations.

54.111 POLITICAL SCIENCE I

A course of 90 hours (70 lectures; 20 tutorials)

Introductory lectures in the first few weeks are intended to give students some idea of the range and variety of political studies. Thereafter for two terms, lectures and tutorials are concerned with an enquiry into the nature of politics and of some important questions in this field, and also with analysis of the institutions and processes of different systems of government, using Australia as a major example. In the third term several special topics arising from the more general study in terms 1 and 2 are dealt with in groups of three lectures each. Regular tutorial work is required for at least two terms.

Text Books

- Rorke, J. (ed.): *Aspects of Australian Government* (Department of Tutorial Classes, University of Sydney, 1962).
Sawer, G.: *Australian Government Today* (1961 or later edition, Melbourne Paperback, M.U.P.).
Miller, J. D. B.: *The Nature of Politics* (Duckworth, London, 1962).
Australian Institute of Political Science: *Forces in Australian Politics*.

Reference Books

- Davies, A.: *Australian Democracy*.
Rawson, D. W.: *Australia Votes — The 1958 Federal Election*.
Miller, J. D. B.: *Australian Government and Politics*.
Davis, S. R. (ed.): *The Government of the Australian States*.
Crisp, L. F.: *The Parliamentary Government of the Commonwealth of Australia*.
Greenwood, G. (ed.): *Australia, a Social and Political History*.
Shaw, A. G. L.: *The Story of Australia*.
Dicey, A. V.: *The Law of the Constitution*.
Lasswell, H.: *Politics, Who gets What, When, How*.
Russell, B.: *Power*.
Field, G. C.: *Political Theory*.
Dahl, Robert A.: *A Preface to Democratic Theory*.
Encel, S. R.: *Cabinet Government in Australia*.
Jennings, I.: *The British Constitution*.
Mayo, H. B.: *An Introduction to Democratic Theory*.
Dahl, Robert A.: *Modern Political Analysis*.

54.112 POLITICAL SCIENCE II (PASS)

A course of 90 hours (70 lectures; 20 seminars)

In this course the government and politics of the United States and of Soviet Russia are studied separately, except for some joint seminars. Special reference is made, on the one hand, to Marxist theory and practice in Russia, and, on the other, to ideas of constitutionalism and democracy in the United States.

Text Books

- Potter, A. M.: *American Government and Politics* (Faber Paper Covered Editions, 1962).
- Rossiter, C.: *Parties and Politics in America* (Cornell University Press, 1960, Paperback).
- Smith, D.: *Polls Apart — Background to the 1960 Presidential Election* (Cohen and West, London, 1960).
- Hamilton, Jay and Madison: *The Federalist Papers* (Everyman).
- Scott, D. J. R.: *Russian Political Institutions* (Allen & Unwin, London).
- or
- Hazard, J. N.: *The Soviet System of Government* (Chicago University Press).
- Feuer, L. S. (ed.): *Marx and Engels: Basic Writings on Politics and Philosophy* (Doubleday Anchor Paperback), 1959.
- Wilson, Edmund: *To the Finland Station* (Fontana Books), 1960.
- Constitution of the U.S.S.R.* (Foreign Languages Publishing House, Moscow).
- Rules of the Communist Party of the Soviet Union* (F.L.P.H., Moscow).
- McNeal, R. H. (ed.): *Lenin, Stalin, Khrushchev — Voices of Bolshevism* (Prentice Hall, Paperback, 1963).
- or
- The Essential Left* (Unwin Paperback, 1962).

Reference Books

- Lippman, W.: *The Public Philosophy*.
- Bell, D.: *The End of Ideology*.
- Key, V. O.: *Politics, Parties and Pressure Groups*.
- de Tocqueville, A.: *Democracy in America*.
- Lubell: *The Future of American Politics*.
- Coyle, D. C.: *The U.S. Political System*.
- Maurois, A.: *A New History of the U.S.A.*
- Ogg and Ray: *American Government*.
- Ogg and Ray: *Essentials of American Government*.
- Neustad: *Presidential Power*.
- Myrdall, G.: *The American Dilemma*.
- Myrdall, G.: *The Supreme Court in a Free Society*.
- Stannard: *The Two Constitutions*.
- Burns & Peltason: *Government by the People*.
- Mason, A. T. and Leach, R. H.: *In Quest of Freedom — American Political Thought and Practice*.
- Conquest, R.: *Commonsense About Russia*.
- Moorehead, A.: *The Russian Revolution*.

Plamenatz, J.: *German Marxism and Russian Communism*.
 Lichtheim, G.: *Marxism — An Historical and Critical Study*.
 Popper, Karl: *The Open Society and its Enemies*, Vol. II.
 Deutscher, I.: *Stalin — A Political Biography*.
 Deutscher, I.: *The Great Contest — Russia and the West*.
 Acton, H. B.: *The Illusion of the Epoch*.
 Gsovski and Grzybowski: *Government, Law and Courts in the Soviet Union and Eastern Europe*.
 Rostow, W. W.: *The Dynamics of Soviet Society*.
 Hazard, J. N.: *Settling Disputes in Soviet Society*.
 Schapiro, L.: *The Communist Party of the Soviet Union*.
 Gray, Alex.: *The Socialist Tradition*.
 Carew-Hunt, R. N.: *The Theory and Practice of Communism*.
 Denison, A. & Kirichenko: *Soviet State Law*.

54.122 POLITICAL SCIENCE II (DISTINCTION)

This course will be concerned with liberal-democratic theory in the nineteenth and twentieth centuries.

Text Books

Mill, J. S.: *On Liberty and Representative Government* (Everyman).
 Hobhouse, L. T.: *Liberalism* (Any complete edition).
 Green, T. H.: *Lectures on the Principles of Political Obligation* (Longmans, Green & Co., London).
 Bullock & Shok: *The Liberal Tradition from Fox to Keynes* (Black, London), 1956.

Reference Books

To be given in class.

ECONOMICS

15.101 ECONOMICS I

Three hours per week including tutorial classes

This subject provides an introduction to economic analysis. It begins with a general account of the major problems of economics and a short account of the methods of economic analysis. It then deals with two major fields of economic analysis. In one it reviews national income accounting concepts and the theory of income determination. In this section attention is given to the operation of the monetary system, the problems arising out of economic fluctuations, and the problem of overall economic policy. The other section of the subject provides an analysis of the pricing of individual products and services.

The examination will consist of one three-hour paper.

Preliminary Reading

- Carter, C. F.: *The Science of Wealth*, Edward Arnold Ltd., 1960.
Heilbroner, R. L.: *The Making of Economic Society*, Prentice-Hall, 1962.
Robinson, M. A., Morton, H. C. and Calderwood, J. D.: *An Introduction to Economic Reasoning*, 3rd ed., Anchor Paperback, 1962.

Text Books

- Shackle, G. L. S. (ed.): *A New Prospect of Economics*, Liverpool U.P., 1961.
Downing, R. E.: *National Income and Social Accounts*, Melbourne U. P., 1962.
Karmel, P. H., and Brunt, M.: *The Structure of the Australian Economy*, Cheshire, 1962.
Tew, B.: *Wealth and Income*, Melbourne U.P., Latest ed.
National Income and Expenditure, Commonwealth Statistician, Latest edition.

Reference Books

- Labour Report, 1961*, Commonwealth Statistician, Canberra, Commonwealth Government Printer.
Reynolds, L. G.: *Economics: A General Introduction*, Irwin, 1963.
Stonier, A. W., and Hague, D. C.: *A Textbook of Economic Theory*, 2nd ed. Longmans, 1960.
Dillard, D.: *The Economics of J. M. Keynes*, Crosby Lockwood, 1958.
Sirkin, G.: *Introduction to Macro-Economic Theory*, Irwin, 1961.
Arndt, H. W.: *The Australian Trading Banks*, 2nd ed. Cheshire, 1960.
Sayers, R. S.: *Modern Banking*, 5th ed., Oxford U.P., 1960.
Allen, C. L.: *Elementary Mathematics of Price Theory*, Wadsworth, 1962.
Harris, C. L. (ed.): *Selected Readings in Economics*, Prentice-Hall, 1962.
Samuelson, P. A., Bishop, R. L., and Coleman, J. R. (eds.): *Readings in Economics*, McGraw-Hill, latest edition.
Grossman, M. C., et.al. (eds.): *Readings in Current Economics* (Rev. ed.), Irwin, 1961.
Arndt, H. W. and Corden, M.: *The Australian Economy*, Cheshire, 1963.
Slesinger, R. E. and Isaacs, A.: *Contemporary Economics: Selected Readings*, Allyn and Bacon, 1963.
Bach, G. L.: *Economics: An Introduction to Analysis and Policy*, Prentice-Hall, 3rd or 4th ed.

15.102 ECONOMICS II

Three hours per week including tutorial classes

This subject is concerned with micro-economics. It begins with an account of the theories of demand and production and then turns to an examination of pricing policies in different market situations. The subject will include a critical review of some of the empirical studies of pricing policy as well as the theoretical literature in the field.

The examination will consist of one three-hour paper.

Text Books

Due, J. E. and Clower, R. W.: *Intermediate Economic Analysis*, 4th ed. Irwin, 1961.
Scitovsky, T.: *Welfare and Competition*, Allen and Unwin, 1952.

Reference Books

Allen, C. L.: *Elementary Mathematics of Price Theory*, Wadsworth, 1962.
Bain, J. S.: *Barriers to New Competition*, Harvard U.P., 1956.
Duesenberry, J. S. and Preston, L. E.: *Cases and Problems in Economics*, Allen and Unwin, 1960.
Heflebower, R. B., and Stocking, G. W.: *Readings in Industrial Organization and Public Policy*, Irwin, 1958.
Hunter, A. (ed.): *The Economics of Australian Industry: Studies in Environment and Structure*, Melbourne U.P., 1963.
Karmel, P. H., and Brunt, M.: *The Structure of the Australian Economy*, Cheshire, 1962.

15.112 ECONOMICS II (DISTINCTION)

The content of this subject will include that of 15.102 Economics II as well as additional and more advanced work in micro-economic analysis. Honours students enrolled for 15.112 Economics II will attend the lectures in 15.102 Economics II but will also attend special Honours tutorials.

The examination will consist of two three-hour papers.

Text and Reference Books as for 15.102 Economics II. Additional reading will be prescribed in tutorials.

15.103 ECONOMICS IIIA

Three hours per week including tutorial classes

This subject is concerned with macro-economics. It deals with the analysis of savings and investment, the consumption function, and the multiplier, including their dynamic aspects. Some aspects of economic fluctuations are considered. The final section of the subject is devoted to an examination of the problems connected with formulating and conducting economic policy.

The examination will consist of one three-hour paper.

Text Books

- Ackley, G.: *Macroeconomic Theory*, Macmillan, 1961.
- Keynes, J. M.: *The General Theory of Employment, Interest and Money*, Paperback ed. Macmillan, 1961.
- Matthews, R. C. O.: *The Trade Cycle*, Cambridge U.P., 1960.
- Hart, A. G., and Kenen, P. B.: *Money Debt and Economic Activity*, Prentice-Hall, 1962.

Reference Books

- Arndt, H. W.: *The Australian Trading Banks*, 2nd ed. Cheshire, 1960.
- Harris, S. E. (ed.): *The New Economics*, Knopf, 1947.
- Income, Employment and Public Policy: Essays in Honour of Alvin H. Hansen*, Norton, 1948.
- Hansen, A. H.: *Business Cycles and National Income*, Norton, 1951.
- Hansen, A. H.: *A Guide to Keynes*, McGraw-Hill, 1953.
- Hansen, A. H.: *Monetary Theory and Fiscal Policy*, McGraw-Hill, 1949.
- Fellner, W. F.: *Trends and Cycles in Economic Activity*, Holt, 1956.
- Hicks, J. R.: *A Contribution to the Theory of the Trade Cycle*, Oxford, 1950.
- Gordon, R. A.: *Business Fluctuations*, 2nd ed. Harper, 1961.
- Habeler, G.: *Prosperity and Depression*, New ed. Allen and Unwin, 1958.
- Baumel, W.: *Economic Dynamics*, 2nd ed. Macmillan, 1959.
- Readings in Business Cycle Theory*, American Economic Association Series, Allen and Unwin, 1953.
- Readings in Monetary Theory*, American Economic Association Series, Allen and Unwin, 1953.
- Kurihara, K. K.: *Monetary Theory and Public Policy*, Allen and Unwin, 1951.
- Kurihara, K. K. (ed.): *Post-Keynesian Economics*, Allen and Unwin, 1955.
- Mitchell, W. C.: *What Happens During Business Cycles — A Progress Report*, National Bureau of Economic Research, 1951.
- Klein, L. R.: *The Keynesian Revolution*, Macmillan, 1954.
- Lundberg, E. L.: *Business Cycles and Economic Policy*, Allen and Unwin, 1957.
- Aschheim, J.: *The Techniques of Monetary Control*, Johns Hopkins, 1961.
- Kurihara, K. K.: *Introduction to Keynesian Dynamics*, Allen and Unwin, 1958.
- Patinkin, D.: *Money, Interest and Prices*, Row, Peterson, 1956.
- Schumpeter, J. A.: *Business Cycles* (2 Vols.) McGraw-Hill, 1939.
- National Bureau of Economic Research: *Regularisation of Business Investment*, Princeton, 1954.
- Duesenberry, J. S.: *Income, Savings and the Theory of Consumer Behaviour*, Harvard, 1949.
- Duesenberry, J. S.: *Business Cycles and Economic Growth*, McGraw-Hill, 1958.
- Pigou, A. C.: *Employment and Equilibrium*, Macmillan, 1949.
- Commonwealth of Australia: *The Australian Economy* (Published annually, latest issue). Commonwealth Government Printer.
- Musgrave, R. A.: *The Theory of Public Finance*, McGraw-Hill, 1959.
- Committee on the Working of the Monetary System Report (Radcliffe Report)* H.M.S.O., 1959.

15.113 ECONOMICS IIIA (DISTINCTION)

The content of this subject will include that of 15.103 Economics IIIA as well as additional and more advanced work in macro-economic analysis. Honours students enrolled for 15.113 Economics IIIA will attend the lectures in 15.103 Economics IIIA but will also attend special Honours tutorials.

The examination will consist of two three-hour papers.

Text and Reference Books as for 15.103 Economics IIIA. Additional reading will be prescribed in tutorials.

15.123 ECONOMICS IIIB (DISTINCTION)

This subject consists of any two subjects chosen from the following:

- 15.211 History of Economic Thought.
- 15.221 Public Finance and Fiscal Policy.
- 15.231 Financial Institutions and Policy.
- 15.241 Economic Development.
- 15.251 Economics of Industry.
- 15.261 Welfare Economics.
- 15.271 International Economics
- 15.281 Labour Economics.
- 15.291 Seminar in Economic Theory and Policy.
- 15.431 Econometrics.
- 15.711 Mathematical Economics I.
- 15.712 Mathematical Economics II.

Descriptions of the content of these subjects and lists of text and reference books for 1964 are given in the Faculty of Commerce Handbook.

15.104 ECONOMICS IV

The syllabus for this subject is identical with that of 15.104 Advanced Economic Analysis for Commerce students. The reading matter will consist mainly of articles published in learned journals. Further particulars will be given to students by the lecturers concerned.

PSYCHOLOGY

12.011 PSYCHOLOGY I

A course of 90 hours' lectures and 60 hours' laboratory work.

The course treats the subject matter and methods of psychology, the biological and social determinants of behaviour, the basic processes of personality development, motivation, perception, thinking, learning, individual differences in ability patterns, the organising of behaviour in the developing individual, and adjustment.

Emphasis throughout the course is placed on scientific appraisal of human behaviour. Hypotheses and experimental and other evidence are examined for their scientific validity.

The practical course reinforces some of the matter of theory lectures by way of group experiments and demonstrations, and provides some experience in methods of psychological observation and statistical procedures appropriate to them.

Text Books

Munn, N. L.: *Psychology*, (Houghton Mifflin), 4th ed., 1961.

AND EITHER

Crafts, L. W. et al.: *Recent Experiments in Psychology*, 1950; OR

Valentine, W. L., and Wickens, D. D.: *Experimental Foundations of General Psychology*, 1956.

Reference Books

Anastasi, A. and Foley, J. P.: *Differential Psychology*, 1949.

Crafts, L. W. et al.: *Recent Experiments in Psychology*, 1950.

Geldard, F. A.: *The Human Senses*, 1953.

Hunter, I. M. L.: *Memory: Facts and Fallacies* (Pelican), 1957.

Krech, D. and Crutchfield, R. S.: *Elements of Psychology*, 1958.

Morgan, C. T.: *Physiological Psychology*, 1943; OR

Morgan, C. T. and Stellar: *Physiological Psychology*, 1950.

Valentine, W. L. and Wickens, D. D.: *Experimental Foundations of General Psychology*, 1956.

Zubeck, J. P. and Solberg, P. A.: *Human Development*, 1954.

12.022 PSYCHOLOGY II

A course of 6 hours per week of lectures and practical work.

Part (a): General Psychology Theory

Causation of behaviour. Theoretical issues from the fields of motivation, learning, perception, personality, social psychology, and individual differences. Laboratory research data and the research

findings of sociologists and cultural anthropologists are examined to assess the interaction between the person and his environment in the causation of behaviour and in personality development. Selected areas of the theory are made the matter of laboratory experiments conducted throughout the course.

Text Books

- Keller, F. S.: *Learning: Reinforcement Theory* (Random House), N.Y. 1954.
Stagner, Ross: *Psychology of Personality* (McGraw-Hill), 3rd ed.

Reference Books

- Allport, G. W.: *Pattern and Growth in Personality* (Holt, Rinehart and Winston), 1962.
Attneave, F.: *Applications of Information Theory to Psychology* (Henry Holt), N.Y., 1959.
Baughman, E. E., and Welsh G. S.: *Personality: A Behavioural Science* (Prentice-Hall), 1962.
Bonner, H.: *Psychology of Personality* (Ronald), 1961.
Brand, H. (ed.): *Readings in Personality* (Wiley).
Diamond, S.: *Personality and Temperament* (Harper), 1957.
Eysenck, H. J.: *Scientific Study of Personality* (Macmillan), 1952.
Eysenck, H. J. (ed): *Handbook of Abnormal Psychology* (Pitman), 1960.
Hall, G. S. and Lindzey, G.: *Theories of Personality* (Wiley), 1957.
Mutt, M. L. and Gibby, R. G.: *The Child* (Allyn and Bacon), 1959.
Mussen, P. H., Conger J. J. and Kagan, J.: *Child Development and Personality*, (2nd Edn. Harper), 1963.
Sarnoff, I.: *Personality Dynamics and Development* (Wiley), 1962.
Shibutani, Tamotsu: *Society and Personality* (Prentice-Hall), 1961.
Teevan, R. C. and Birney, R. C.: *Colour Vision* (van Nostrand) London, 1961.

Part (b): Psychological Testing

Mental measurement. Selected aspects of psychological testing (e.g., the purpose, application and value of sampled tests; test administration and interpretation of test scores). Practical work includes individual testing and psychometric analysis using appropriate statistical procedures.

Text Books

- Guilford, J. P.: *Fundamental Statistics in Psychology and Education* (McGraw-Hill), 1956.
Nunnally, J. D.: *Tests and Measurements* (McGraw-Hill), 1959.

Reference Books

- Anastasi, A.: *Psychological Testing* (Macmillan), 1961.
Cronbach, L. J.: *Essentials of Psychological Testing* (Harper), 1960.
Edwards, A. L.: *Statistical Analysis* (Holt), 1958.
Ferguson, G. A.: *Statistical Analysis in Psychology and Education* (McGraw-Hill), 1959.
Freeman, F. S.: *Theory and Practice of Psychological Testing* (Holt), 1962.

- Garrett, H. E.: *Statistics in Psychology and Education* (Longmans), 1958.
 Lyman, H. B.: *Test Scores and What They Mean* (Prentice-Hall), 1963.
 Penman, J. G.: *Introduction to Applied Statistics* (Harper), 1963.
 Spiegel, M. R.: *Theory and Problems of Statistics* (Schaum), 1961.
 Terman, L. M. and Merrill, M. A.: *Measuring Intelligence* (Harrap), 1937.
 Tyler, L. E.: *Tests and Measurements* (Prentice-Hall), 1963.
 Vernon, P. E.: *Intelligence and Attainment Tests* (U.L.P.), 1960.
 Vernon, P. E.: *The Measurement of Abilities* (U.L.P.), 1956.
 Vernon, P. E.: *The Structure of Human Abilities* (Methuen), 1961.
 Wechsler, D.: *The Measurement and Appraisal of Adult Intelligence* (Williams and Wilkins), 1958.
 Wood, D. A.: *Test Construction* (Merrill), 1960.

12.012 PSYCHOLOGY II (DISTINCTION)

Eight hours per week of lectures and practical work.

Part (a): General Psychological Theory

Causation of behaviour. Theoretical issues from the fields of motivation, learning, perception, personality, social psychology, and individual differences. Laboratory research data and the research findings of sociologists and cultural anthropologists are examined to assess the interaction between the person and his environment in the causation of behaviour and in personality development. Selected areas of the theory are made the matter of laboratory experiments conducted throughout the course.

Part (b): Psychological Testing

Mental measurement. Selected aspects of psychological testing (e.g., the purpose, application and value of sampled tests; test administration and interpretation of test scores). Practical work includes individual testing and psychometric analysis using appropriate statistical procedures.

Part (c): Social Psychology

Contemporary theories of social behaviour. Analysis of social organisation. Effects of group membership. Attitude formation and change. Problems of method. Techniques of data collection and analysis. Practical work concerned with some of these matters is undertaken.

Text and Reference Books

As for 12.022 Psychology II, Parts (a) and (b) together with: *Part (c)*.

Text Books

Krech, D.: Crutchfield R. S., and Ballachey, E. S.: *Individual in Society: A Text-book of Social Psychology* (McGraw-Hill) New York, 1962.

Reference Books

Asch, S. E.: *Social Psychology* (Prentice-Hall) N.J., 1952.

Lindzey, G. (ed.): *Handbook of Social Psychology*, Vols 1 and 2, (Mass: Addison-Wesley), 1954.

Maccoby, E. E., Newcomb, T. M. and Hartley E. L.: *Readings in Social Psychology* (Holt) New York, 1958.
Shibutani, T.: *Society and Personality* (Prentice-Hall) N.J., 1961.

12.023 PSYCHOLOGY IIIA

A course of 180 hours of lectures and practical work.

Part (a): General Psychology Theory.

Evaluation of theories of motivation, perception, learning and personality.

Text Books

Dember, W. N.: *The Psychology of Perception* (Holt, Rinehart and Winston).
Brown, J. S.: *Motivation of Behaviour* (McGraw-Hill).

Reference Books

Koch, S.: *Psychology: A Study of a Science*, Vols. I, II, IV, V (McGraw-Hill).
Other references will be given by the lecturers during the course.

Part (b): Psychological Assessment I.

Personality and aptitude assesement. Test validation, reliability, administration and interpretation.

Text Books

Guildford, J. P.: *Psychometric Methods* (McGraw-Hill), 1954.

or

Thorndike, R. L.: *Personnel Selection* (Wiley), 1949; and

Guildford, J. P.: *Fundamental Statistics in Psychology and Education* (McGraw-Hill), 1956.

or

McNemar, Q.: *Psychological Statistics* (Wiley), 1962.

Reference Books

Bass, B. M. and Berg, I. A. (Eds.): *Objective Approaches to Personality Assessment*.

Cronbach, L. J.: *Essentials of Psychological Testing* (Harper), 1960.

Edwards, A. L.: *Statistical Methods for the Behavioural Sciences* (Rinehart), 1954.

Ferguson, L. W.: *Personality Measurement* (McGraw-Hill), 1952.

Gerberich, J. R.: *Specimen Objective Test Items* (Longmans), 1956.

Lindquist, E. F. (Ed.): *Educational Measurement* (American Council on Education), 1951.

Nunnally, J. C.: *Tests and Measurements* (McGraw-Hill), 1959.

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

Part (c): A third strand of 60 hours to be selected from the following:

(i) *Experimental Psychology*

Experimental work to illustrate design and measurement of psychological variables.

Reference Books

Osgood, C. E.: *Method and Theory in Experimental Psychology* (Oxford Uni. Press), 1953.

Stevens, S. S.: *Handbook of Experimental Psychology* (Wiley), 1960.

Woodworth and Schlosberg: *Experimental Psychology* (Methuen), 1955.

(ii) *Abnormal Psychology*

An introduction to the problems of abnormal behaviour. In this course attention will be devoted to the dynamics of psychopathology, and emphasis will be paid to the relation of abnormal behaviour to personality development. Some consideration will be given to the problem of symptoms.

Text Books

- Hutt, N. L. and Gibby, R. G.: *Patterns of Abnormal Behaviour* (Boston Allyn and Bacon), 1958.
Guntrip, H.: *Personality, Structure and Human Interaction* (Hogarth Press), 1960.

Reference Books

- Fenichel, O.: *The Psychoanalytic Theory of the Neuroses* (Routledge, Kegan Paul) London, 1945.
Freud, S.: *Collected Papers*, Vols. 1-5.
Freud, S.: *An Introduction to Psychoanalysis*.
Klein, M. et al.: *Developments in Psychoanalysis* (ed. E. Jones).
Lemert, E.: *Social Pathology*.
White, R.: *The Abnormal Personality*.

(iii) Social Psychology

An introduction to social psychology in which contemporary theories of social behaviour will be examined. Topics to be included are: analysis of social organisation, effects of group membership, attitude formation and change, problems of method, techniques of data collection and analysis.

Text Books

- Krech, D., Crutchfield, R. S., and Ballachey, E. S.: *Individual in Society: A Text-book of Social Psychology* (McGraw-Hill) New York, 1962.

Reference Books

- Asch, S. E.: *Social Psychology* (Prentice-Hall) N.J., 1952.
Lindzey, G. (ed.): *Handbook of Social Psychology*, Vols. 1 and 2.
Maccoby, E. E., Newcomb, T. M. and Hartley, E. L.: *Readings in Social Psychology*.
Shibutani, T.: *Society and Personality* (Prentice-Hall) N.J., 1961.

12.033 PSYCHOLOGY IIIA (DISTINCTION)

A course of 240 hours of lectures and practical work.

This course consists of the following courses set out for 12.023 Psychology III, Part (a), Part (b), Part (c) Experimental and Abnormal, as well as further selected reading.

12.034 PSYCHOLOGY IIIB (DISTINCTION)

A course of 240 hours of lectures and practical work.

The course comprises (a) an advanced study of a selected field of Psychology (e.g., Psychopathology, Experimental Psychology, Social Psychology, Differential Psychology) to be determined in consultation with the Head of the School of Applied Psychology; and (b) a study of research design and advanced psychometric techniques. Approximately half of the course time is allotted to practical work.

Text Books

- (a) A list of text books for the study of a selected field of Psychology will be made available to students after the determination of their special fields.
(b) Cronbach, L. G.: *The Essentials of Psychological Testing* (Harper), 1949.
Vernon, P.: *Personality Tests and Assessments* (Methuen), 1953.
Other text books will be listed during the course.

12.035 PSYCHOLOGY IV (HONOURS)

Candidates for honours should consult the Head of the School of Applied Psychology for a determination of course requirements.

SOCIOLOGY

53.111 SOCIOLOGY I

A course of 90 hours per year (three per week).

The course is concerned with the study of the nature of human society and the fact that the way men behave is determined largely by their membership in groups and by the way the members of the groups react to each other.

Approximately sixty hours will be concerned with the nature and structure of society (Section A below) and approximately thirty hours with the research methods of the sociologist.

Section A: The Nature of Society

The elements involved in the structure of society and its dynamic nature. The underlying pattern of social interaction between people. Basic trends in Western society. Culture, personality, and human nature. Social classes and social mobility. Crowds, mobs, fads, fashions. Public opinion and propaganda. The family, from a sociological point of view. Minorities. Criminal and delinquent behaviour.

Section B: Research Methods

A consideration of the methods of studying human relations, together with an introduction to social statistics.

Text Books

Broom and Selznick: *Sociology* (Row, Peterson).

Zelditch: *A Basic Course in Sociological Statistics* (Holt-Dryden).

53.112 SOCIOLOGY II

This course will be centred on a study of the community, with particular emphasis on the nature of institutions and their functions in the community, as well as a consideration of the socialization process related to group membership and social change in the community.

The course of 90 hours (three per week) is divided as follows:

Section A: Personality, Culture, Socialization

This section will cover a detailed examination of the relation between personality and culture and the processes of socialization; at the same time the place of small groups in personality and social change will be studied with particular reference to the results of experimental work in this field.

Section B: Institutions

A general definition and classification of institutions will be followed by a study of the processes by which a social organisation becomes institutionalized, together with an examination of the social functions performed by institutions. The sociology of the family, science, industry, education and religion will be studied as examples of institutional behaviour.

Section C: Community Structure and Social Change

The whole community will then be studied in terms of its elements, such as informal and formal groups, family-community relations,

religion and the community, political and economic institutions, school-community relations, and industry. Such dimensions of community as the age-structure, social stratification, and the value system, will be considered before studying the nature and forms of social change.

Section D: Social Statistics

This section will deal with methods of sociological research and the application of statistical inference to sociological data.

Text Books

Firth: *Elements of Social Organisation*.

Nelson, Ramsey, Verner: *Community Structure and Change* (Macmillan).

Sprott: *Human Groups* (Penguin).

Reference Books

Feibleman: *The Institutions of Society*.

Caiger, G. (ed.): *The Australian Way of Life* (Heinemann).

Rose, A. (ed.): *The Institutions of Advanced Societies* (Minnesota University Press).

Welford, A. T., et al.: *Society, Problems and Methods of Study* (Routledge and Kegan Paul).

Zelditch: *A Basic Course in Sociological Statistics* (Holt-Dryden).

53.122 SOCIOLOGY II (DISTINCTION)

This course consists of an intensive study of one aspect of the pass course (60 hours). Recommended reading will be prescribed during the course.

53.113 SOCIOLOGY IIIA

A course of 90 hours concerned with sociological theory, supplemented by advanced work in sociological methods.

Section A:

The main streams of sociological theory will be considered, followed by the examination of some continuing issues in sociological theory:

(a) France: Emile Durkheim.

(b) Germany: Max Weber, Georg Simmel.

(c) Italy: Pareto.

(d) America: Cooley, Dewey, Summer, Mead, Thomas, Park.

(e) Britain: Radcliffe Brown, Malinowski.

Section B:

This section will cover in detail methods of research design, measurements, analysis, interpretation, and advanced statistical methods applicable to such research.

Text Books

Timasheff: *Sociological Theory: Its Nature and Growth* (Random House).

Merton: *Social Theory and Social Structure* (Free Press).

Zelditch: *A Basic Course in Sociological Statistics* (Holt-Dryden).

Selltiz, Jahoda, Deutsch and Cook: *Research Methods in Social Relations* (Holt-Dryden).

Blalock: *Social Statistics* (McGraw-Hill).

Reference Books

- Coser and Rosenberg: *Sociological Theory: A Book of Readings* (Macmillan).
Homans: *The Human Group* (Routledge and Kegan Paul).
Aron: *German Sociology* (Heinemann).
Martindale, D. A.: *The Nature and Types of Sociological Theory* (Routledge and Kegan Paul).
Alpert: *Emile Durkheim and His Sociology* (Russell and Russell).

53.123 SOCIOLOGY IIIA (DISTINCTION)

A course of 90 hours (three per week) which will consist of an intensive study of a particular aspect of the 53.113 Pass Course. Recommended reading will be prescribed during the course.

53.133 SOCIOLOGY IIIB

A course of 90 hours divided into study topics according to the interests and elections of particular students. Topics will be drawn from the following:

- Mass communications.
- Crime and delinquency.
- Urban sociology.
- Social administration.
- Social stratification.
- Marriage and family.
- Industrial sociology.
- Public opinion propaganda.
- Demographic sociology.
- Sociology of religion.
- Health education.
- Sociology of social work.

Recommended reading will be prescribed during the course.

53.143 SOCIOLOGY IIIB (DISTINCTION)

A course of 90 hours (three per week) which will consist of an intensive study of a particular aspect of the 53.133 Pass course.

Recommended reading will be prescribed during the course.

53.114 SOCIOLOGY IV (HONOURS)

The course will consist of two parts:

- A. Seminars in both (i) advanced sociological theory,
and (ii) advanced sociological research methods.
- B. A research thesis carried out under close supervision and embodying original research of an empirical or critical nature.

Recommended reading will be prescribed during the course.

PHILOSOPHY

52.111 PHILOSOPHY I

Three hours of lectures weekly, together with tutorials as arranged. The course falls into three sections:

Section A:

A general introduction to Philosophy: an outline of the aims and methods of Philosophy, and of the traditional and modern approaches to the study of logic, of "value" terms as met in ethics and aesthetics, and the sources of our knowledge.

Section B:

A study of some of Plato's Dialogues, in particular the *Meno*, the *Protagoras*, and parts of the *Republic*.

Section C:

A study of a major work from the formative period of modern philosophy. Descartes's *Discourse on Method* will be examined in detail, and some reference will be made to Locke's *Essay Concerning Human Understanding*.

Text Books

- Hospers, J.: *Introduction to Philosophical Analysis* (Routledge and Kegan Paul).
Cornford, F. M.: *The Republic of Plato* (Oxford).
Field, G. C.: *The Philosophy of Plato* (Oxford, H.U.L.).
Descartes, R. (ed. Haldane and Ross): *The Philosophical Works of Descartes**, 2 vols. (Dover).
Descartes, R. (ed. Lindsay): *A Discourse on Method** (Everyman).
Locke, J.: *An Essay Concerning Human Understanding* (Dover, or any other edition).

Reference Books

- Crombie, I. M.: *An Examination of Plato's Doctrines* (Routledge and Kegan Paul).
Kitto, H. D. F.: *The Greeks* (Pelican).
Taylor, A. E.: *Plato, the Man and his Work* (Methuen).
Lee, H. D. P. (trans.): *The Republic of Plato* (Penguin).
Willey, B.: *The Seventeenth Century Background* (Chatto and Windus).
O'Connor, D. J.: *John Locke* (Pelican).
Gibson, J.: *Locke's Theory of Knowledge and its Historical Relations* (Cambridge).
Morris, C. R.: *Locke, Berkeley, Hume* (Oxford).
Smith, N. K.: *Studies in the Cartesian Philosophy* (Macmillan).

52.112 PHILOSOPHY II (PASS)

Three hours of lectures and tutorials weekly. The course falls into three sections:

* Alternatives.

Section A:

Greek philosophy. A study of the principal thinkers from Thales to Aristotle. The course will concentrate on cosmological theories.

Section B:

The development of the British empiricist tradition; in particular, the work of the eighteenth-century philosophers, Berkeley and Hume, and the present-day work of A. J. Ayer.

Section C:

A course in formal logic, building on the foundations laid in the first year course. The chief topics are: the first order functional calculus, especially multiply quantified expressions, relations, and identity; the second order functional calculus; the theory of descriptions; the theory of types. Attention will be given to the bearings of formal logic on some traditional philosophical problems.

Text Books

- Berkeley, G.: *A New Theory of Vision, and other Writings* (Everyman).
Hume, D.: *A Treatise of Human Nature* (Everyman), 2 vols.
Ayer, A. J.: *Language, Truth and Logic* (Gollancz).
Ayer, A. J.: *The Problem of Knowledge* (Pelican).
Quine, W. V.: *Mathematical Logic* (Harvard, also Harper Torchbook).

Reference Books

- Burnet, J.: *Early Greek Philosophy*, 4th edn. (Black).
Burnet, J.: *Greek Philosophy, Thales to Plato* (Macmillan).
Kirk, G. S. and Raven, J. E.: *The Presocratic Philosophers* (Cambridge).
Cornford, F. M.: *Plato's Cosmology* (Routledge and Kegan Paul).
Ross, W. D. (ed.): *Aristotle's Physics* (Oxford).
Morris, C. R.: *Locke, Berkeley, Hume* (Oxford).
Warnock, G. J.: *Berkeley* (Pelican).
Passmore, J. A.: *Hume's Intentions* (Cambridge).
Basson, A. H.: *David Hume* (Pelican).

52.122 PHILOSOPHY II (DISTINCTION)

The course consists of the material set out above for the course 52.112 Philosophy II (Pass), together with approximately 60 hours of seminars and lectures on the general topic: The Grounds of Belief.

Text books and reference books as for 52.112, together with further titles to be given in class.

52.113 PHILOSOPHY IIIA (PASS)

Two of the following options are to be selected; students should consult the Head of the School of Philosophy in connection with their choice. Two hours per week will be devoted to each option.

Option I:

Ethics. A survey of modern moral philosophy.

Option II:

The modern Analytic movement in Britain and Vienna. A study of the "logical atomism" of Russell and Wittgenstein, the "logical positivism" of the Vienna Circle, and Wittgenstein's later work.

Option III:

Philosophical Psychology. A course concerned with the "Theory of Knowledge"; including some treatment of sensation and perception, and of our knowledge of our own and other minds.

Option IV:

The philosophy of politics and of social theory. A study of:

- (a) Natural Law theory, with special reference to Aquinas;
- (b) Social Contract theory, with special reference to Rousseau;
- (c) Conservatism, with special reference to Burke, Oakeshott, and Bosanquet.

Option V:

The foundations of mathematics. Some knowledge of and ability in mathematics are required for this course, which is concerned with the work of the principal philosophers of mathematics since Frege.

Option VI:

The philosophies of Leibniz and Spinoza.

Text Books

Option I

Warnock, M.: *Ethics since 1900* (Oxford, H.U.L.).

Kaufman, W. (ed.): *Existentialism from Dostoevsky to Sartre* (Meridian).

Option II

Wittgenstein, L.: *Tractatus Logico-Philosophicus*, new translation, Pears and McGuinness (Routledge and Kegan Paul).

Wittgenstein, L.: *Philosophical Investigations* (Blackwell).

Option III

None prescribed.

Option IV

Aquinas, T.: *Treatise on Law (Summa Theologica, Questions 90-97)* (Gateway Edition, Henry Regnery), Chicago.

Rousseau, J. J.: *The Social Contract and Discourses* (Everyman).

Burke, E.: *Reflections on the French Revolution and other Essays* (Everyman).

Oakeshott, M.: *Rationalism in Politics and Other Essays* (Methuen), 1962.

Option V

Wilder, R. L.: *Introduction to the Foundations of Mathematics* (Wiley).

Quine, W. V.: *Mathematical Logic* (Harvard; also Harper Torchbook).

Reference Books

Option I

Hare, R. M.: *The Language of Morals* (Oxford).

Flew, A. G. N. (ed.): *Logic and Language, 2nd series* (Blackwell).

Stevenson, C. L.: *Ethics and Language* (Yale).

Sellars and Hospers (eds.): *Readings in Ethical Theory* (Appleton).

Option II

- Russell, B.: *Logic and Knowledge*, (ed. Marsh) (Allen and Unwin).
Anscombe, G. E. M.: *An Introduction to Wittgenstein's Tractatus* (Hutchinson).
Urmson, J. O.: *Philosophical Analysis, its Development between the two world wars* (Oxford).
Ayer, A. J. (ed.): *Logical Positivism* (Free Press of Glencoe).
Warnock, G. J.: *English Philosophy since 1900* (Oxford, H.U.L.).
Pole, D.: *The Later Philosophy of Wittgenstein* (Athlone).

Option III

- Armstrong, D. M.: *Perception and the Physical World* (Routledge and Kegan Paul).
Armstrong, D. M.: *Bodily Sensations* (Routledge and Kegan Paul).
Hamlyn, D. W.: *The Psychology of Perception* (Routledge and Kegan Paul).
Austin, J. L.: *Sense and Sensibilia* (Oxford).
Ayer, A. J.: *The Problem of Knowledge* (Pelican).
Hirst, R. J.: *The Problems of Perception* (Allen and Unwin).
Malcolm, N.: *Dreaming* (Routledge and Kegan Paul).
Wisdom, J.: *Other Minds* (Blackwell).

Option IV

- Bonsaquet, B.: *Implication and Linear Inference* (Macmillan).

Option V

- Whitehead, A. N. and Russell, B.: *Principia Mathematica*, To *56 (Cambridge Paperback).
Russell, B.: *Introduction to Mathematical Philosophy* (Allen and Unwin).
Fraenkel, A. A. and Bar-Hillel, Y.: *Foundations of Set Theory* (North-Holland).
Other references will be given in lectures.

52.123 PHILOSOPHY IIIA (DISTINCTION)

Two options from the list given under 52.113 Philosophy IIA (Pass) are to be taken, together with 60 hours of work on one of the following options:

Option I

The philosophy of Kant. The course will be devoted chiefly to a consideration of Kant's metaphysics and epistemology.

Option II:

An introduction to the philosophy of science. The course will isolate some of the chief philosophical issues raised by accounts given, from time to time, of the methods of scientific inquiry.

Prescribed reading as for 52.113, together with the following:

Text Books

Option I

- Smith, N. K.: *Immanuel Kant's Critique of Pure Reason* (Macmillan).

Option II

- Campbell, N. R.: *What is Science?* (Dover).
Harre, R.: *An Introduction to the Logic of the Sciences* (Macmillan).

Reference Books

Option I

- Bird, G.: *Kant's Theory of Knowledge* (Routledge and Kegan Paul).
 Ewing, A. C.: *A short Commentary on Kant's Critique of Pure Reason* (Methuen).
 Koerner, S.: *Kant* (Pelican).
 Paton, H. J.: *Kant's Metaphysic of Experience* (Hutchinson).
 Prichard, H. A.: *Kant's Theory of Knowledge* (Clarendon).
 Smith, N. K.: *A Commentary on Kant's Critique of Pure Reason* (Macmillan).
 Weldon, T. D.: *Introduction to Kant's Critique of Pure Reason* (Clarendon).

Option II

- Blake, R. M., Ducasse, C. J., Madden, E. H.: *Theories of Scientific Method: The Renaissance Through the Nineteenth Century* (University Washington Press).
 Braithwaite, R. B.: *Scientific Explanation* (Cambridge).
 Brown, G. B.: *Science; its Method and its Philosophy* (Allen and Unwin).
 Burt, E. A.: *The Metaphysical Foundations of Modern Physical Science* (Routledge and Kegan Paul).
 Campbell, N. R.: *Foundations of Science* (Dover).
 Feigl, H. and Brodbeck, M. (editors): *Readings in the Philosophy of Science* (Appleton-Century-Crofts).
 Campbell, N. R.: *What is Science?* (Dover) (Text.).
 Danto, A. and Morgenbesser, S. (editors): *Philosophy of Science*.
 Duhem, P. (trans. Wiener): *The Aim and Structure of Physical Theory* (Princeton University Press).
 Feigl, H. and Maxwell, C. (editors): *Current Issues in the Philosophy of Science* (Holt, Rinehart and Winston).
 Frank, P. G.: *Modern Science and Its Philosophy* (Harvard U.P.).
 Frank, P. G. (ed.): *The Validation of Scientific Theories* (Collier).
 Harre, R.: *An Introduction to the Logic of the Sciences* (Macmillan).
 McRae, R.: *The Problem of the Unity of the Sciences: Bacon to Kant* (Univ. Toronto Press).
 Madden, E. H.: *The Structure of Scientific Thought* (Houghton Mifflin).
 Nagel, E.: *The Structure of Science* (Routledge and Kegan Paul).
 Northrop, F. S. C.: *The Logic of the Sciences and the Humanities* (Meridian).
 Pap, A.: *Introduction to The Philosophy of Science* (The Free Press of Glencoe).
 Popper, K. R.: *The Logic of Scientific Discovery* (Hutchinson).
 Reichenbach, H. (ed. Maria Reichenbach): *Modern Philosophy of Science* (Routledge and Kegan Paul).
 Toulmin, S. E.: *The Philosophy of Science* (Hutchinson).
 Toulmin, S. E.: *Foresight and Understanding* (Hutchinson).
 Wiener, P. P. (ed.): *Readings in Philosophy of Science* (Scribner).
 Wiener, P. P. and Noland, A. (editors): *Roots of Scientific Thought* (Basic Books).
 Baumrin, B. (ed.): *Philosophy of Science, The Delaware Seminar, Vol I 1961-62* Interscience.

52.133 PHILOSOPHY IIIB (DISTINCTION)

Students taking the Special (Honours) degree in Philosophy will take this subject in addition to 52.123 Philosophy IIIA (Distinction). The course consists of a further two of the options listed under 52.113 Philosophy IIIA, and the other of the options listed under 52.123 Philosophy IIIA (Distinction).

The text and reference books for this subject are the same as those listed under the several options of 52.113 and 52.123.

52.114 PHILOSOPHY IV (HONOURS)

Each student is required to complete a research thesis on a subject of his choice to be approved by the School, and in addition will be required to take two seminar courses. In 1964, the following courses are offered:

1. *The logic of discourse.*

Topics include:

- (a) Modern analyses of the traditional concepts of "meaning", "proposition", "analytic" (Wisdom, Austin, Quine, Ryle, Black);
- (b) The traditional concept of "Fallacy";
- (c) Paradoxes of discourse; the generalised "liar" paradox and variants involving "meaning" and other logical concepts, and ethical concepts; the "faith-reason" paradox;
- (d) Attempts to formalise these problems;
- (e) Philosophical perplexity (Wittgenstein, Wisdom);
- (f) Explanation; "If, so and because"; counterfactuals (Ryle, Goodman, Austin, Toulmin).

2. *Absolute Idealism.*

Study of the works of F. H. Bradley (excluding ethical writings). References to Hegel and other Idealists will be subsidiary to the understanding of Bradley himself. The two main themes will be concrete universality and internal relations, leading to extensive consideration of Bradley's concept of "inference" and The Absolute.

3. *Topics in the Philosophy of Mind.*

A course concerned with what is traditionally known as the "Body-Mind Problem", taking the form of a detailed examination of such notions as: The Will, Emotion, Sensation and Perception, Imagination and Thought. Particular attention will be given to contemporary work.

4. *Theories of Truth.*

- (a) Discussion of three classical theories of truth: Pragmatism, correspondence theory, coherence theory;
- (b) Discussion of some contemporary theories, viz. those of Ayer, Quine, Tarski, Strawson;
- (c) Consideration of questions associated with theories of truth:
 - (i) status of "propositions" in "statements";
 - (ii) relation between "true" and "meaningful";
 - (iii) kinds of truth — logical, empirical, religious, metaphysical;
 - (iv) "true" and "The Truth".

Reading lists will be prepared in the School for each student taking this course.

MATHEMATICS AND STATISTICS

Students majoring in Pure Mathematics or Theory of Statistics may select an appropriate sequence of subjects in accordance with the following table.

Course Stage	Pure Mathematics Major	Theory of Statistics Major
Course I	10.001 Mathematics I	10.001 Mathematics I
Course II (Pass)	10.111 Pure Mathematics II <i>and either</i> 10.211 Applied Mathematics II <i>or</i> 10.311 Theory of Statistics I	10.311 Theory of Statistics I <i>and</i> 10.111 Pure Mathematics II
Course II (Distinction)	10.121 Pure Mathematics II (Higher) <i>and either</i> 10.221 Applied Mathematics II (Higher) <i>or</i> 10.321 Theory of Statistics II (Higher)	10.321 Theory of Statistics I (Higher) <i>and</i> 10.121 Pure Mathematics II (Higher)
Course IIIA (Pass)	10.112 Pure Mathematics III	10.312 Theory of Statistics II
Course IIIA (Distinction)	10.122 Pure Mathematics III (Higher)	10.322 Theory of Statistics II (Higher)
Course IIIB (Pass)	10.212 Applied Mathematics III <i>or</i> 10.312 Theory of Statistics II	10.112 Pure Mathematics III
Course IIIB (Distinction)	10.222 Applied Mathematics III (Higher) <i>or</i> 10.322 Theory of Statistics II (Higher)	10.122 Pure Mathematics III (Higher)

MATHEMATICS

10.001 MATHEMATICS I

A first year course in Mathematics, for students entering the Faculties of Arts, Science, Applied Science, Engineering or Medicine.

Four one-hour lectures and two tutorial hours per week for three terms.

Calculus and analysis. Co-ordinate geometry. Algebra and theory of equations. Dynamics.

Text Books

Archbold, J. W.: *Algebra* (Isaac Pitman and Sons Ltd.).

Thomas, G. B.: *Calculus and Analytical Geometry* (Addison Wesley) (Both Parts in one volume).

Additional text for Mathematics I (Higher).

Burkill, J. C.: *A First Course in Mathematical Analysis* (Cambridge) (Paper back edition).

Reference Books

Adler, I.: *The New Mathematics* (Mentor Press).

Allendoerfer and Oakley: *Principles of Mathematics*, 2nd ed. (McGraw-Hill).

Robbins and Courant: *What is Mathematics* (Oxford University Press).

Rose, I. H.: *Algebra: An Introduction to Finite Mathematics* (John Wiley).

Sawyer: *A Concrete Approach to Abstract Algebra* (Freeman).

10.111 PURE MATHEMATICS II

Three one-hour lectures and two tutorial hours per week for three terms.

Real and complex analysis. Differential equations. Algebra. Vector analysis. Fourier analysis. Special functions.

Text Books

Kaplan, W.: *Advanced Calculus* (Addison Wesley).

Keane and Senior: *Mathematical Methods* (Science Press).

Amir-Moez, A. L. and Fass, A. R.: *Elements of Linear Spaces* (Pergamon Press).

Reference Books

Birkhoff, G. and MacLane, S.: *A Survey of Modern Algebra* (Macmillan).

Burkill, J. C.: *Theory of Ordinary Differential Equations* (Oliver and Boyd).

Halmos, P. R.: *Finite Dimensional Vector Spaces* (Van Nostrand).

10.121 PURE MATHEMATICS II (HIGHER)

Five one-hour lectures and one tutorial hour per week.

Vector algebra. Real variable theory. Topology. Algebra. Differential equations. Geometry. Calculus and techniques of calculus. Complex variable theory.

Text Books

Fulks, W.: *Advanced Calculus* (Wiley).

Kuiper, N. H.: *Linear Algebra and Geometry* (North Holland).

Reference Books

Artin, E.: *Geometric Algebra* (Interscience).

Birkhoff, G. and MacLane, S.: *A Survey of Modern Algebra* (Macmillan).

Burkill, J. C.: *Theory of Ordinary Differential Equations* (Oliver and Boyd).

Bourbaki, N.: *Elements de Mathematique* (Hermann).

Hall, D. W. and Spencer, G. L.: *Elementary Topology* (Wiley).
 Jacobson, N.: *Lectures in Abstract Algebra* (Vol. I, II) (Van Nostrand).
 Kelley, J. L.: *General Topology* (Van Nostrand).
 Nickerson, H. K., Steenrod, N. E. & Spender, G. L.: *Advanced Calculus* (Van Nostrand).
 Van der Waerden, B. L.: *Modern Algebra* (Ungar).
 Kaplan, W.: *Advanced Calculus* (Addison Wesley).

10.112 PURE MATHEMATICS III

A course of 120 hours of lectures and 30 hours of tutorials.

Algebra. Differential geometry. Foundations of mathematics. Complex variables, Laplace transform theory. Special functions. Orthogonal functions.

Text Books

Churchill, R. V.: *Modern Operational Mathematics in Engineering*, 2nd ed. (McGraw-Hill).
 Halmos, P. R.: *Finite Dimensional Vector Spaces* (Van Nostrand).
 Klein, F.: *Famous Problems in Elementary Geometry* (Dover).
 Willmore, J. J.: *An Introduction to Differential Geometry* (Oxford University Press).
 Young, J. W. A. (ed.): *Monographs on Topics of Modern Mathematics* (Dover).

Reference Books

Birkhoff, G. and MacLane, S.: *A Survey of Modern Algebra* (Macmillan).
 Churchill, R. V.: *Fourier Series and Boundary Value Problems* (McGraw-Hill).
 Copson, E. T.: *Theory of Functions of a Complex Variable* (Oxford Uni. Press).
 Jacobson, N.: *Lectures in Abstract Algebra* (Vol. I, II) (Van Nostrand).
 Sneddon, I. N.: *Elements of Partial Differential Equations* (McGraw-Hill).
 Van der Waerden, B. L.: *Modern Algebra* (Ungar).

10.122 PURE MATHEMATICS III (HIGHER)

A course of 180 hours of lectures and 30 hours of tutorials.

Algebra, differential and algebraic geometry, foundations of mathematics. Advanced complex variable theory, Laplace transform theory. Differential equations in the complex domain and special functions. Real variable theory. Lebesgue integration theory and measure. Orthogonal functions. Topology, general and algebraic. Partial differential equations.

Text Books

Hall, M.: *The Theory of Groups* (Macmillan).
 Halmos, P. R.: *Measure Theory* (Van Nostrand).
 Hilton and Wylie: *Homology Theory, an Introduction to Algebraic Topology*.
 Kelley, J. L.: *General Topology* (Van Nostrand).
 Klein, F.: *Famous Problems in Elementary Geometry* (Dover).
 Semple, J. G. and Kneebone, G. T.: *Algebraic Curves* (Oxford Clarendon).
 Willmore, J. J.: *An Introduction to Differential Geometry*.
 Young, J. W. A. (ed.): *Monographs on Topics of Modern Mathematics* (Dover).

Reference Books

Birkhoff, G. and MacLane, S.: *A Brief Survey of Modern Algebra* (Macmillan).
 Bourbaki, N.: *Elements de Mathematique* (Hermann).
 Carmichael, R. D.: *Theory of Groups of Finite Order* (Dover).
 Copson, E. T.: *Theory of Functions of a Complex Variable* (Oxford).
 Chevalley, C.: *Fundamental Concepts of Algebra* (Academic Press).

- Hodge, W. V. D. and Pedoe, D.: *Methods of Algebraic Geometry* (Vol. I, II, III) (Cambridge).
- Ince, E. L.: *Ordinary Differential Equations* (Dover).
- Ledermann, W.: *Introduction to the Theory of Finite Groups* (Oliver and Boyd).
- Munroe, M. E.: *Introduction to Measure and Integration* (Addison Wesley).
- Northcott, D. C.: *Ideal Theory* (Cambridge Math. Tracts.)
- Sneddon, I. N.: *Elements of Partial Differential Equations* (McGraw-Hill).
- Titchmarsh, E. C.: *Theory of Functions* (Oxford Uni. Press).
- Van der Waerden, B. L.: *Modern Algebra* (Ungar).
- Walker, R. T.: *Algebraic Curves* (Princeton).

10.123 PURE MATHEMATICS IV

This course will consist of specialised study in selected topics for students hoping to graduate with honours in the Science course or the Arts course.

10.211 APPLIED MATHEMATICS II

Three one-hour lectures and four tutorial and practice hours per week.

Various mathematical methods of use in applied mathematics. Boundary value problems. Special functions.

Approximation by polynomials. Interpolation. Numerical quadrature. Solution of ordinary differential equations by numerical methods.

Dynamics of a particle and of a rigid body.

Vector analysis, including Gauss', Green's and Stoke's theorems.

Computational techniques (both for desk and high speed computers).

Text Books

- Fowles, G. R.: *Analytical Mechanics* (Holt, Rinehart and Winston, New York).
- Sagan, H.: *Boundary and Eigenvalue Problems in Mathematical Physics* (John Wiley and Sons).
- Halmos, P. R.: *Finite Dimensional Vector Spaces* (Van Nostrand).
- Hartree, D. R.: *Numerical Analysis* (Clarendon Press, Oxford).

10.221 APPLIED MATHEMATICS II (HIGHER)

Four one-hour lectures and three tutorial and practice hours per week.

As for Applied Mathematics II but treated in greater depth and including Maxwell's equations and electro-magnetic waves.

Text Books

- Goldstein, H.: *Classical Mechanics* (Addison-Wesley).
- Sagan, H.: *Boundary and Eigenvalue Problems in Mathematical Physics* (John Wiley and Sons).
- Halmos, P. R.: *Finite Dimensional Vector Spaces* (Van Nostrand).
- Hartree, D. R.: *Numerical Analysis* (Clarendon Press, Oxford).
- Abraham, M. and Becker, R.: *Classical Theory of Electricity and Magnetism* (Blackie).

10.212 APPLIED MATHEMATICS III

A course of 90 hours of lectures and 120 hours of tutorials.

Further work on mathematical methods, numerical analysis and computational methods.

The mechanics of continuous media. The Schrodinger equation. Statistics and stochastic processes. Diffusion equations. Maxwell's equations and electro-magnetic waves.

Text Books

- Rutherford, D. E.: *Fluid Dynamics* (Oliver and Boyd).
Faddeeva, V. N.: *Computational Methods of Linear Algebra* (Dover).
Sagan, H.: *Boundary and Eigenvalue Problems in Mathematical Physics* (John Wiley and Sons).
Schiff, L. I.: *Quantum Mechanics* (McGraw-Hill).
Abraham, M. and Becker, R.: *The Classical Theory of Electricity and Magnetism* (Blackie).

Reference Books

- Feller, W.: *An Introduction to Mathematical Probability and its Applications* (John Wiley and Sons).
Panofsky, W. K. H. and Phillips, M.: *Classical Electricity and Magnetism* (Addison Wesley).
Sokolnikoff, I. S.: *The Mathematical Theory of Elasticity* (McGraw-Hill).
Courant, R. and Hibbert, D.: *Methods of Mathematical Physics* (Vol. I) (Interscience).
Landau, L. D. and Lifshitz, E. M.: *Theory of Elasticity* (Pergamon Press).
Landau, L. D. and Lifshitz, E. M.: *Quantum Mechanics* (Pergamon Press).
Messiah, A.: *Quantum Mechanics* (Vols. I, II) (North Holland).
Wax, N.: *Selected Papers on Noise and Stochastic Processes* (Dover).
Landau, L. D. and Lifshitz, E. M.: *Fluid Mechanics* (Pergamon Press).

10.222 APPLIED MATHEMATICS III (HIGHER)

A course of 150 hours of lectures and 90 hours of tutorials.

As for Applied Mathematics III but including special theory of relativity and statistical mechanics.

Text Books

As for 10.212 above, but in addition

- Landau, L. D. and Lifshitz, E. M.: *Statistical Physics* (Pergamon Press).
Bergmann, P. G.: *Introduction to the Theory of Relativity* (Prentice Hall).

Reference Books

As for 10.212 above, but in addition

- Möller, C.: *Theory of Relativity* (Clarendon Press, Oxford).
Landau, L. D. and Lifshitz, E. M.: *Classical Theory of Fields* (Addison Wesley).

10.223 APPLIED MATHEMATICS IV

This course will consist of specialised study in selected topics for students hoping to graduate with honours in the Science course or the Arts course.

STATISTICS

Students majoring in Theory of Statistics select Mathematics and Statistics courses in accordance with the table set out on page 83.

10.311 THEORY OF STATISTICS I

Four one-hour lectures and three tutorial and practice hours per week.

Probability (elementary set algebra).

Variates (univariates, multivariates, expectations, moment generating and characteristic functions). Standard distributions. Sampling distributions. Point estimation (moments, maximum likelihood, minimum χ^2 , etc.)

Confidence interval estimation, exact and approximate. Elementary Neyman-Pearson theory of tests of significance, standard significance tests. Regression (including curvilinear) on a single fixed variable.

Introductory Reading

- Huff, D.: *How to Lie with Statistics* (Gollancz).
Moroney, M. J.: *Facts from Figures* (Pelican).
Tippett, L. H. C.: *Statistics* (Oxford University Press).

Text Books

- Hogg, R. V. and Craig, A. T.: *Introduction to Mathematical Statistics* (Macmillan).
Kendall, M. G. and Stuart, A.: *The Advanced Theory of Statistics* (Vols. I and II) (Griffin).
Statistical Tables (Union Store).

Reference Books

- Anderson, R. L. and Bancroft, T. A.: *Statistical Theory in Research* (McGraw-Hill).
Dixon, W. J. and Massey, F. J.: *Introduction to Statistical Analysis* (McGraw-Hill).
Goldberg, S.: *Probability: An Introduction* (Prentice-Hall).
Mood, A. M.: *Introduction to the Theory of Statistics* (McGraw-Hill).
Parzen, M.: *Modern Probability Theory and its Application* (Wiley).
Pearson, E. S. and Hartley, H. O.: *Biometrika Tables for Statisticians* (Ed.) (Cambridge).
Rao, C. R.: *Advanced Statistical Methods in Biometric Research* (Wiley).

10.321 THEORY OF STATISTICS I (HIGHER)

The work of this subject will be similar to 10.311 but will be at greater depth and cover a slightly wider field. Approximately one hour extra per week will be devoted to the additional work.

Introductory Reading, Text and Reference Books

As for 10.311 Theory of Statistics I.

10.312 THEORY OF STATISTICS II

A course of 120 hours of lectures and 120 hours of practice classes.

The multivariate normal distribution. Analysis of variance: random, fixed and mixed models, with powers; randomisation tests. Stochastic processes. Contingency tables. Introduction to high speed computers (in particular, UTECOM). A special project on a selected topic. A selection of topics from: Sequential analysis; theory of sampling; distribution free methods; bioassay; linear programming; response surfaces; discriminant functions; theory of games; experimental design.

Introductory Reading

Cox, D. R.: *Planning of Experiments* (Wiley).

Text Books

Cochran, W. G. and Cox, G.: *Experimental Design* (Wiley).

Feller, W.: *An Introduction to Mathematical Probability and its Applications* (Wiley).

Graybill, F. A.: *An Introduction to Linear Statistical Models* (McGraw-Hill).

Pearson, E. S. and Hartley, H. O.: *Biometrika Tables for Statisticians* (Cambridge).

Reference Books

Anderson, T. W.: *An Introduction to Multivariate Statistical Analysis* (Wiley).

Cochran, W. G.: *Sampling Techniques* (Wiley).

Gass, S. R.: *Linear Programming — Methods and Applications*.

Kemphorne, O.: *The Design and Analysis of Experiment* (Wiley).

Mood, A. M.: *Introduction to the Theory of Statistics* (McGraw-Hill).

Rao, C. R.: *Advanced Statistical Methods in Biometric Research* (Wiley).

10.322 THEORY OF STATISTICS II (HIGHER)

A course of 150 hours of lectures and 120 hours of practice classes.

The treatment in this subject will be at greater depth and cover a somewhat wider field than 10.312 Theory of Statistics II.

Introductory Reading, Text and Reference Books

As for 10.312 Theory of Statistics II.

10.323 THEORY OF STATISTICS III

This course consists of specialised study of topics set out below, for students attempting honours in the Science or Arts courses with a major in Statistics.

Mathematical basis. Experimental design; response surfaces. Stochastic processes. Theories of inference. Sequential analysis. Non-parametric methods. Biological statistics. Multivariate analysis. Mathematical programming. Information theory. Discrete distributions. Project.

Text Books

As for 10.322.

Reference Books

- Anderson, T. W.: *An Introduction to Multivariate Statistical Analysis* (Wiley).
Bartlett, M. S.: *Stochastic Processes* (Camb.)
Bharucha-Reid, A. T.: *Elements of the Theory of Markov Processes and their Applications* (McGraw-Hill).
Davies, O. L. (ed.): *Design and Analysis of Industrial Experiments* (Oliver and Boyd).
Fisher, R. A.: *Contributions to Mathematical Statistics* (Wiley).
Fraser, D. A. S.: *Non-Parametric Methods* (Wiley).
Girshick, M. A. and Blackwell, D.: *Theory of Games and Statistical Decisions* (Wiley).
Gumbel, E. J.: *Statistics of Extremes* (Columbia University Press).
Karlin, S.: *Mathematical Methods and Theory in Games, Programming and Economics* (Vol. I) (Addison Wesley).
Kempthorne, O.: *The Design and Analysis of Experiment* (Wiley).
Kullback, S.: *Information and Statistics* (Wiley).
Lehmann, E. L.: *Tests of Hypotheses* (Wiley).
Rao, C. R.: *Advanced Statistical Methods in Biometric Research* (Wiley).
Savage, L. J.: *Foundations of Statistics* (Wiley).
Wald, A.: *Sequential Analysis* (Wiley).

SCIENTIFIC THOUGHT

52.151 SCIENTIFIC THOUGHT I

Three hours weekly, throughout the year, of lectures and demonstrations, with tutorials and excursions. An account of the development of astronomy from its beginnings in Babylonia and Greece up to the early 18th century.

The historical material will be prefaced by some treatment of the observational material around which the early speculations were woven, and will be presented along with a brief account of the philosophical developments (especially in Greece) that influenced the shaping of scientific astronomy. There will be some account also, in the later parts of the course, of the philosophical and cultural aspects of the Copernican revolution, and of its bearings on modern physical science generally.

Preliminary Reading

Armitage, A.: *Sun, Stand Thou Still* (Schuman).

Brodetsky, S.: *Sir Isaac Newton* (Methuen).

Campbell, N. R.: *What is Science?* (Dover).

Toulmin, S. E.: *The Philosophy of Science* (Hutchinson).

(Various Authors): *The History of Science, A Symposium* (B.B.C.) (Melbourne U.P.).

Text Books

Kuhn, T. S.: *The Copernican Revolution* (Harvard U.P.)

Students should also possess:

Tancock, E. O. (ed.): *Philips' Chart of the Stars* (Philips).

Reference Books

Baker, R. H.: *Introduction to Astronomy* (Van Nostrand).

Bell, A. E.: *Newtonian Science* (Arnold).

Boas, M.: *The Scientific Renaissance* (Collins).

Butterfield, H.: *The Origins of Modern Science* (Bell).

Caspar, M. (trans. Hellman): *Kepler* (Abelard-Schuman).

Clagett, M.: *Greek Science in Antiquity* (Abelard-Schuman).

Cohen, I. B.: *The Birth of a New Physics* (Heinemann).

Cohen, M. R. and Drabkin, I. E.: *Source Book in Greek Science* (McGraw-Hill).

Collingwood, R. G.: *The Idea of Nature* (Galaxy O.U.P.).

Crombie, A. C.: *Augustine to Galileo* (Falcon, also Mercury).

de Santillana, G.: *The Origins of Scientific Thought* (Mentor).

Dreyer, J. L. E.: *History of Astronomy* (Dover).

Fath, E. A.: *Elements of Astronomy* (McGraw-Hill).

Galilei, G. (trans. Drake): *Dialogue Concerning the Two Chief World Systems* (Univ. California).

Hogben, L.: *Science for the Citizen* (Allen and Unwin).

Hoyle, F.: *Astronomy* (Doubleday) (Strongly recommended).

Holton, G. and Roller, D.: *The Foundations of Modern Physical Science* (Addison-Wesley).

Hull, L. W. H.: *History and Philosophy of Science: An Introduction* (Longmans).
 Koestler, A.: *The Sleepwalkers* (Hutchinson).
 Koyre, A.: *From the Closed World to the Infinite Universe* (Johns Hopkins Univ., also Harper).
 Munitz, M. K. (ed.): *Theories of the Universe* (Free Press of Glencoe).
 Nangle, J.: *Stars of the Southern Heavens* (Angus and Robertson).
 Neugebauer, O.: *The Exact Sciences in Antiquity*, 2nd ed. (Harper).
 Orr, M. A.: *An Easy Guide to Southern Stars* (Gall and Inglis).
 Pannekoek, A.: *A History of Astronomy* (Allen and Unwin).
 Rogers, E. M.: *Physics for the Enquiring Mind* (Oxford). Strongly recommended.
 Rosen, E.: *Three Copernican Treatises* (Dover).
 Rudaux, L. and de Vancouleurs, G.: *Larousse Encyclopaedia of Astronomy* (Batchworth).
 Sambursky, S. (trans. Dagut): *The Physical World of the Greeks* (Routledge and Kegan Paul).
 Shapley, H. and Howarth: *Source Book in Astronomy* (McGraw-Hill).
 Sidgwick, J. B.: *The Heavens Above* (Oxford U.P.).
 Smart, W. M.: *Textbook on Spherical Astronomy*, 5th ed. (Cambridge U.P.).
 Staal, J. D. W.: *Focus on Stars* (Newnes).
 Toulmin, S. E. and Goodfield, J.: *The Fabric of the Heavens* (Hutchinson).
 Walker, M.: *The Nature of Scientific Thought* (Spectrum).

Students may also need to consult:

The Astronomical Ephemeris for the Year 1964 (H.M.S.O.).
The Nautical Almanac for the Year 1964 (H.M.S.O.)

Many articles in the standard *encyclopaedias* will be found useful; so too will the standard short histories of science be found useful: e.g.

Dampier, W. C.: *History of Science* (Cambridge).
 Sarton, G.: *History of Science* (Oxford).
 Singer, C.: *A Short History of Science* (Oxford).

52.152 SCIENTIFIC THOUGHT II

Three hours weekly throughout the year, with tutorials and excursions as arranged. The work of the first half of the year is devoted to geology, to present some of the basic concepts and fundamental to Chemistry (Section B).

Section A

The course aims to illustrate the styles of thinking that are central to geology; to present some of the basic concepts and fundamental principles of geology and to exemplify these general features and trends of the science by a study and discussion of the geology of the Sydney area and other related areas.

Special attention is given to the distinction, in geological contexts, between description and explanation, and to the ways in which descriptive and speculative components are woven together in geological thinking.

The specific topics include: Coastal erosion and deposition; river action as illustrated in the Sydney area, and eastern New South Wales generally; theories of the formation of Sydney Harbour; the chief features of the Cumberland Basin, with special attention paid to volcanic necks, sills, and dykes; the Snowy Mountains area and the Tasmanian highlands with special attention to such physiographical and geological features as are referred to in theories concerning the glaciation of these areas. Geological fieldwork is an essential part of the course.

Section B

The Origins of Chemistry. The course begins with a discussion of the three main strands which eventually were to unite in the science of chemistry: the empirical chemical knowledge contained in the pre-scientific technology of antiquity, the laboratory apparatus and techniques of the Alexandrian alchemists, and the ontological theories of the Greek philosophers. The development and gradual fusion of these strands is followed through the Middle Ages and the 16th century to the emergence of chemistry in the 17th. The course concludes with an account of the chemical achievements of the 18th century which culminated in the founding of modern chemistry by Lavoisier in the 1780s.

A training in chemistry is not a necessary pre-requisite.

Text Books

Section A

Zumbege, J. H.: *Elements of Geology* (Wiley).

Pearl R. M.: *Geology: An Introduction to the Principles of Physical Geology* (Barnes and Noble).

Students should also possess a copy of the Geological Map Sydney (4 miles to the inch; with explanatory notes).

Section B

Conant, J. B.: *On Understanding Science* (Mentor).

Forbes, R. J. and Dijksterhuis, E. J.: *A History of Science and Technology* (Penguin).

Reference Books

Section A

Longwell, C. R. and Flint, R. F.: *Introduction to Physical Geology* (Wiley).

Taylor, G.: *Sydneyside Scenery* (Angus and Robertson).

Laseron, C. F.: *The Face of Australia*, 2nd ed. (Angus and Robertson).

Read, H. H. and Watson, J.: *Introduction to Geology*, Vol. 1: Principles (Macmillan).

Section B

Leicester, H. M.: *The Historical Background of Chemistry* (Wiley).

Hall, A. R.: *The Scientific Revolution*, 2nd ed. (Longmans).

Toulmin, S. E. and Goodfield, J.: *The Architecture of Matter* (Hutchinson).

Stillman, J. M.: *The Story of Alchemy and Early Chemistry* (Dover).

Boas, N.: *Robert Boyle and 17th Century Chemistry* (Cambridge).

Leicester, H. M. and Klickstein, S.: *Source Book of Chemistry* (McGraw-Hill).

Conant, J. B.: *Harvard Case Histories in Experimental Science*, 2 vols. (Harvard U.P.).

52.153 SCIENTIFIC THOUGHT III

Each member of the class will take two of the following options; each option occupies 3 hours weekly over 15 weeks. Some of the options will be available only in the first half of the year; some will be available only in the second half of the year. Each student's choice of two options must be approved by the Head of the School of Philosophy. The School of Philosophy reserves the right to withdraw any option selected by an insufficient number of students.

Option I

Egyptian and Babylonian mathematics, with special attention to the methodology and techniques both of the ancient mathematicians and of modern students of their work. The course is based largely on original source material.

Option II

The establishing of modern chemistry. The course is a development of the course on the origins of modern chemistry that form part of 52.152 Scientific Thought II. It deals with the growth of chemical thought in the period 1800-1860, with special emphasis on:

- (a) the continuing influence of the pre-Socratic philosophers;
- (b) the positivist reaction against "metaphysics";
- (c) the rapid accumulation of experimental results;
- (d) the successes of inductive logic in this field.

Extensive use is made of the original writings of nineteenth-century chemists.

No previous training in chemistry, beyond that provided by the course referred to above, is required.

Option III

Cosmology. An outline of the history and methods of cosmology, from the earliest scientific cosmologies to those of the present day. Special attention is given to the role of models in cosmological inquiries and to the nature and desiderata of explanations in this field. Olbers' Paradox is closely considered; the bearings of the Principles of Relativity are noted; the course concludes with an account of the evolutionary and steady state theories.

Option IV

Defining Vitality. A study of a special physiological problem — the problem of how animal bodies are maintained at a temperature higher than the usual environmental temperature — with a view to illustrating the procedures and thought-processes of biologists. The course will include some experimental observations.

Option V

Some aspects of 19th-century physical science. A synoptic view of some 19th century developments in physical science considered

especially as extensions of the Newtonian system. Emphasis will be placed on those developments which raise general methodological or philosophical issues.

The special topics taken up will include —

- (a) The Newtonian heritage.
- (b) Geology and Newtonianism.
- (c) The luminiferous ether.
- (d) The special theory of relativity.
- (e) Mach's critique of Newton's dynamics.
- (f) Nineteenth-century views of the relations between science and philosophy, religion, and common sense.

Option VI

Islamic science and technology. An account of the role of Islam in maintaining and transmitting and extending the science of the ancient world, and of technological developments in the period of Islam's cultural domination.

Option VII

The history of Greek mathematics and mathematical science from Thales to Pappus.

Option VIII

An outline of the history of the philosophy of science. An account of influential views of the style and intent and ambitions and limitations of scientific enquiry, with particular attention to the competing claims of rationalism and empiricism in the philosophy of science. The course will be based largely on original source material.

Preliminary Reading

Option I

Edwards, I. E. S.: *The Pyramids of Egypt* (Pelican).
Woolley, Sir Leonard: *Digging up the Past* (Pelican).
Woolley, Sir Leonard: *Ur of the Chaldees* (Pelican).

Text Books

Option I

Neugebauer, O.: *The Exact Sciences in Antiquity* (Harper Torchbook).
Sanford, Vera: *A Short History of Mathematics* (Harrap).
Milliken, E. K.: *The Cradles of Western Civilisation* (Harrap).
Smith, D. E.: *History of Mathematics*, 2 vols. (Dover).
Chiera, E.: *They Wrote on Clay* (Chicago U.P.).

Option II

No books are prescribed as texts.

Option III

No books are prescribed as texts.

Reference Books

Option I

- Chase, A. B.: *Rhind Mathematical Papyrus* (Brown University Press).
van der Waerden, B. L.: *Science Awakening* (Noordhoff).
Neugebauer, A. and Sachs, A. J.: *Mathematical Cuneiform Texts* (American Oriental Society).
Neugebauer, O. and Parker, M.: *Egyptian Astronomical Texts*, 3 vols. (Lund Humphries).
Beek, J. (trans. Welch): *Atlas of Mesopotamia* (Nelson).
Archibald, R. C.: *An Outline of the History of Mathematics* (American Mathematical Monthly).
Dantzig, T.: *The Bequest of the Greeks* (Scribner).
Bell, E. T.: *Men of Mathematics*, 2 vols. (Dover).

Option II

- Leicester, H. M.: *The Historical Background of Chemistry* (Wiley).
Moore, F. H.: *A History of Chemistry*, 3rd edition (McGraw-Hill).
Partington, J. R.: *A Short History of Chemistry*, 3rd ed. (Macmillan).
Crosland, M. P.: *Historical Studies in the Language of Chemistry* (Heinemann).

Option III

- McVittie, G. E.: *Fact and Theory in Cosmology* (Eyre and Spottiswood).
Munitz, M. K.: *Theories of the Universe* (Free Press of Glencoe).
Hoyle, F.: *Frontiers of Astronomy* (Mercury).
Whitrow, J. G.: *The Structure and Development of the Universe* (Macmillan).
Hubble, E.: *The Realm of the Nebulae* (Dover).
Whitrow, J. G.: *The Natural Philosophy of Time* (Nelson).

Other Options:

Texts and references will be given in class.

PHYSICS

1.001 PHYSICS I

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

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

Heat—Temperature. Thermal expansion. Specific heat. Gas laws. Heat transfer. First law of thermodynamics. Elementary kinetic theory of gases. Hygrometry.

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

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

Text Books

Resnick and Halliday: *Physics for Students of Science and Engineering*, Vols. I and II or combined volume. (Particularly recommended for students with a good background in Physics and Mathematics); OR
Fference, Lemon and Stephenson: *Analytical Experimental Physics*; OR
Champion: *University Physics*.

Reference Books

Richards, Sears, Wehr and Zemansky: *Modern University Physics*.
Stephenson: *Mechanics and Properties of Matter*.
Loney: *Dynamics*.
Starling and Woodall: *Physics*.
Syngge and Griffith: *Principles of Mechanics*, 3rd ed.

1.112 PHYSICS II

The lecture course will comprise 4 lectures per week on: Mechanics, Physical Optics, Thermodynamics, Kinetic Theory of Gases, Electricity and Magnetism, and Quantum Physics.

— The laboratory course will be 3 hours per week.

Text Books

1. Winch: *Electricity and Magnetism*.
2. Jenkins and White: *Fundamentals of Optics*.
3. Semat: *Introduction to Atomic and Nuclear Physics*
or
Wehr and Richards: *Physics of the Atom*.
4. Zemansky: *Heat and Thermodynamics*
or
Sears: *Thermodynamics*.

CHEMISTRY

2.001 CHEMISTRY I

Classification of matter. Weight relations in chemical reactions. Atomic and molecular structure. Kinetic theory of matter. Properties of molecular, electrolytic and colloidal solutions. Structure of the periodic table and the chemistry of selected elements of groups of the periodic table. Qualitative and quantitative analysis. Chemical equilibria. Introduction to organic chemistry.

Text Books

(ONE text book from each group required)

Group A

Hildebrand and Powell: *Principles of Chemistry* } Combined
Latimer and Hildebrand: *Reference Book of Inorganic Chemistry* } Volume; OR
Sienko and Plane: *Chemistry*; OR
Pauling, L.: *General Chemistry*; OR
Quagliano, J.: *Chemistry* (2nd edition, 1963).

Group B

Brown, G.: *A Simple Guide to Modern Valency Theory*.

Group C

Vogel, A.: *Text Book of Qualitative Analysis*.

Group D

Fieser, L. and Fieser, M.: *Organic Chemistry Course*; OR
Behr, Fuson and Snyder: *Brief Course in Organic Chemistry*; OR
Smith, W. B.: *A Modern Introduction to Organic Chemistry*.

Reference Books

Glasstone and Lewis: *Elements of Physical Chemistry*.
Hiller and Herber: *Principles of Chemistry*.
Moellar, T.: *Inorganic Chemistry*.
Vogel, A.: *Textbook of Quantitative Analysis*.

2.002 CHEMISTRY II

A course consisting of lectures and practical work totalling nine hours per week. The subject matter is divided into four sections, as follows:—

1. A course of 45 lectures together with practical work in organic chemistry, comprising aliphatic chemistry, aromatic chemistry, and an introduction to the chemistry of high polymers.

Text Books

Noller, C. R.: *Chemistry of Organic Compounds*; OR
Morrison, R. T. and Boyd, R. N.: *Organic Chemistry*; OR
Finar, I. L.: *Organic Chemistry* (Vol. I).

AND

Vogel, I. A.: *Elementary Practical Organic Chemistry*. Part II — *Qualitative Organic Analysis*; OR
Wild, F.: *Characterisation of Organic Compounds*; OR
Oppenshaw, H. T.: *Laboratory Manual of Qualitative Organic Analysis*.

Reference Books

Geissman, T. A.: *Principles of Organic Chemistry*.
Barnett, E. de B.: *Mechanism of Organic Chemical Reactions*.
Horwood Tucker, S.: *An Electronic Outline of Organic Chemistry*.

2. A course of 45 lectures together with practical work in physical chemistry, covering the following topics:—
 - (a) The physical chemistry of ideal and real gases.
 - (b) The first, second and third laws of thermodynamics and their application to chemical equilibria.
 - (c) Ideal and non-ideal solutions.
 - (d) Electro-chemistry and ionic equilibria.
 - (e) Chemical kinetics.

Text Books

Barrow, G. M.: *Physical Chemistry* (McGraw-Hill).
Findlay, A.: *Practical Physical Chemistry* (Longmans).

Reference Book

Glasstone, S.: *Textbook of Physical Chemistry* (Van Nostrand).

3. A course of 20 lectures together with practical work in inorganic chemistry dealing with co-ordination chemistry and an extension of the work covered in Chemistry I to further selected groups of elements.

Text Books

Vogel, A.: *Text Book of Qualitative Analysis*.
Graddon, D. P.: *An Introduction to Co-ordination Chemistry*.

Reference Books

Bailar, J.: *Chemistry of the Co-ordination Compounds*.
Pauling, L.: *Nature of the Chemical Bond*.
Emeleus and Anderson: *Modern Aspects of Inorganic Chemistry*.
Sidgwick, N. V.: *Chemical Elements and their Compounds* (Vols. I and II).
Remy, H.: *Treatise on Inorganic Chemistry* (Vols. I and II).
Grinberg (Trans. I. R. Leech): *Introduction to the Chemistry of Complex Compounds* (Pergamon Press).

4. A course of 20 lectures together with practical work in analytical chemistry covering the following topics:—
 - (a) Acid-base titrations.
 - (b) Volumetric methods involving electron-transfer reactions.
 - (c) Precipitation and gravimetric analysis.
 - (d) Titrations involving precipitate and complex ion formation.

Text Books

Vogel, A. I.: *A Text Book of Quantitative Inorganic Analysis*; OR
Kolthoff, I. M. and Sandell, E. B.: *A Text Book of Quantitative Inorganic Analysis*; OR
Willard, H. H., Furman, N. H., and Bricker, C. E.: *Elements of Quantitative Analysis*.

Reference Book

Walton, H. F.: *Principles and Methods of Chemical Analysis*.

BIOLOGICAL SCIENCES

17.001 GENERAL BIOLOGY

Two lectures, one three-hour practical class and one tutorial per week. Two obligatory field excursions are held during the year.

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

Text Books

Villee: *Biology*, 1962.

Abercrombie, Hickman and Johnson: *A Dictionary of Biology*.

Stephenson and Mercer: *General Biology Laboratory Manual*.

17.301 BOTANY I

Variations in the morphology and anatomy of the Angiosperms, economic botany and a brief introduction to Angiosperm systematics.

Practical work with examples from the local flora to illustrate the lecture course.

Obligatory field excursions.

Plant ecology lectures and field work dealing with the nature, measurement and inter-relationships of vegetation, soils and climate.

Plant physiology: the physiology of the cell and the whole plant in relation to water and solutes. Growth and development. An introduction to photosynthesis and respiration.

Practical work to illustrate the course.

Text Books

(a) Esau: *Anatomy of Seed Plants*; OR

Eames and McDaniels: *Introduction to Plant Anatomy*. Together with

(b) Bonner and Galston: *Principles of Plant Physiology*.

(c) Oosting: *The Study of Plant Communities*.

(d) Beadle, Evans and Carolin: *A Handbook of the Vascular Plants of the Sydney District and Blue Mountains*.

17.401 ZOOLOGY I

A comparative study of the major invertebrate phyla. Ecology. Animal behaviour.

Practical work to illustrate the lecture course.

Obligatory field excursions.

Text Books

Borradaile, Eastham, Potts and Saunders: *The Invertebrata* (Revised by Kerkut) 4th ed., 1961.

Andrewartha: *Introduction to the Study of Animal Populations*, 1961.

Simpson, Roe and Lewontin: *Quantitative Zoology*, 1960.

Thorpe: *Learning and Instinct in Animals*, 1956.

GEOLOGY

25.511 GEOLOGY I

Geology in the first year is an introductory, comprehensive course which covers the general principles of Geology. It presupposes no prior knowledge of the subject.

The course extends over three terms with 2 lectures and 4 hours laboratory per week.

Physical Geology

The structure and main surface features of the earth; Geological cycle — processes of erosion, transportation, sedimentation and lithification. Surface and sub-surface water. Weathering, lakes, rivers, glacial phenomena. Vulcanism, earthquakes, orogenesis and eperogenesis. Introductory physiography.

Crystallography and Mineralogy

Introduction to crystallography — crystal symmetry, systems, forms, habit twinning.

Occurrence, form and physical properties of minerals. Descriptive mineralogy; mineral classification. Principal rock forming minerals.

Petrology

Igneous, sedimentary and metamorphic rocks — their field occurrence, lithological characteristics and structural relationships. Introduction to coal, oil and ore deposits.

Stratigraphy and Palaeontology

The basic principles of stratigraphy; introductory palaeontology. The geological time scale. An outline of the geological history of the Australian continent with more specific reference to New South Wales.

Practical Work

The preparation and interpretation of geological maps and sections. Map reading and use of simple geological instruments. The study of simple crystal forms and symmetry. The identification and description of common minerals and rocks in hand specimen. The recognition and description of examples of important fossil groups.

The course is supplemented by three field excursions, attendance at which is compulsory.

Preliminary Background Reading

Read, H. H.: *Geology* (Home University Library).

Text Books

Read, H. H. and Watson, J.: *Introduction to Geology* (Macmillan), 1962.

Matthews, W. H.: *Fossils, an Introduction to Prehistoric Life* (Barnes and Noble).

McElroy, C. T.: *Explanatory Notes to accompany the Sydney 4-mile Geological Map*.

Reference Books

- Ford, E.: *Dana's Textbook of Mineralogy*.
Dunbar, C. O.: *Historical Geology*.
Holmes, A.: *Principles of Physical Geology*.
Read, H. H.: *Rutley's Elements of Mineralogy*.
Longwell, C. R. and Flint R. F.: *Introduction to Physical Geology*.
Morley Davies, A.: *An Introduction to Palaeontology*.

25.562 GEOLOGY II

Students who have successfully completed Geology I may proceed to Geology II for Arts Students (25.562) which consists of:

- (a) Petrology I which is the same as that given in 25.512 Geology II, 2 lectures and 2 hours laboratory per week (3 terms);
- (b) Palaeontology I as given in 25.512 Geology II, 1 lecture and 1 hour laboratory per week (3 terms).
- (c) Stratigraphy I as given in 25.512 Geology II, 1 lecture per week (3 terms).

Petrology

The mineralogical and physico-chemical bases to the study of igneous rock genesis and diversification. Igneous rock classification and petrography.

The commoner arenaceous and other clastic sediments.

The basic principles of metamorphism; introductory survey of the metamorphic rocks.

Practical work: Megascopic and microscopic examination of common representatives of igneous, sedimentary and metamorphic rocks and of rock-forming minerals.

Text Books

William, White and Gilbert: *Petrography*.

Reference Books

- Harker, A.: *Petrology for Students*.
Hatch, Wells and Wells: *The Petrology of the Igneous Rocks*.
Tyrrell, G. W.: *The Principles of Petrology*.
Turner, F. J. and Verhoogen, J.: *Igneous and Metamorphic Petrology*.
Harker, A.: *Metamorphism*.

Palaeontology

Systematic classification of the Invertebrate phyla, with detailed morphological study of their important subdivisions. Introduction to the principles of palaeontology and its stratigraphic applications. Introduction to Palaeobotany.

Practical work: Examination and diagnostic description of repre-

sentative fossils from the various phyla and study of their stratigraphical distribution.

Text Books

Moore, R. C., Lalicker, C. G., and Fischer, A. G.: *Invertebrate Fossils* (McGraw-Hill).

Reference Books

Woods, H.: *Palaeontology Invertebrate* (Cambridge University Press).

Schrock, R. R. and Twenhofel, W. H.: *Principles of Invertebrate Palaeontology* (McGraw-Hill).

Arnold, C. A.: *An Introduction to Palaeobotany*.

Stratigraphy

Principles of geological mapping. The stratigraphic column. Principles of stratigraphy, including related structural aspects. Sedimentary environments, processes and products. The stratigraphy of Australia.

Text Books

Krumbein, H. C. and Sloss, L. L.: *Stratigraphy and Sedimentation* (1951).

Reference Books

Kuenen, Ph.: *Marine Geology*.

Weller, J. M.: *Stratigraphic Principles and Practice*.

David, T. W. E. and Browne, W. R.: *Geology of the Commonwealth of Australia* (3 vols.) (Arnold & Co.) 1950.

Schrock, R. S.: *Sequence in Layered Rocks*.

ARTS I — TIMETABLE, 1964

	Monday	Tuesday	Wednesday	Thursday	Friday
9.00	Sociology I (A group) History I	Sociology I (A group)	Sociology I (A group)		
10.00	German I (S) Sociology I (A group) Pol. Science I	German I (S) Psychology I (to 12.00 P)	German I (S) Sc. Thought I (A group)	Drama I German I (S) Economics I	
11.00	English I	French I Sc. Thought I (B group)	Psychology I Drama I Sc. Thought I (B group)	English I	French I Sc. Thought I (B group)
12.00	Psychology I	English I	French I	Pol. Science I Drama I	History I (tuts.) (A group)
1.00					
2.00		Pol. Science I	History I		
3.00	Economics I	Philosophy I	Philosophy I	Philosophy I	Sc. Thought I (A group)
4.00	French I	Sc. Thought I (A group)		Psychology I	History I (tuts.) (B group)
5.00		Sociology I (B group)	Sociology I (B group)	Sociology I (B group)	Sociology I (B group)

(S) Indicates classes at Sydney University.

Tutorials in Economics I will be arranged by the School of Economics.

Students taking courses from Group 7 (other than Scientific Thought) must consult the enrolling officer for their timetables.

Students taking courses from Group 6 must consult the enrolling officer for their timetables.

ARTS II — TIMETABLE, 1964

	Monday	Tuesday	Wednesday	Thursday	Friday
9.00			English II German II (S)		
10.00		Pol. Science II German II (S)	Sc. Thought II	English II	History II (tuts.)
11.00	Philosophy II Pol. Science II Economics II	Sc. Thought II			Sc. Thought II
12.00	English II German II (S)	Drama II			Economics II
1.00					
2.00			Drama II	History II	Psychology II (to 4.00 p.m.)
3.00	Australian Studies	Psychology II (to 5.00 p.m.)	Philosophy II Australian Studies	Psychology II (to 5.00 p.m.)	Australian Studies (tuts.)
4.00			History II German II (S)	Philosophy II	Drama II
5.00		Sociology II	Sociology II		Sociology II

(S) Indicates classes at Sydney University.

Tutorials in Economics II will be arranged by the School of Economics.

Students taking courses from Group 7 (other than from Sc. Thought) must consult the enrolling officer for their timetables.

Students taking courses from Group 6 must consult the enrolling officer for their timetables.

Times for French II to be arranged if necessary.

The regulations in Science demand Maths. I as a prerequisite for Physics II. Students doing Chemistry II are well advised to take Maths. I first.

Students doing Botany or Zoology are well advised to do Chemistry I first.

ARTS III — TIMETABLE, 1964

	Monday	Tuesday	Wednesday	Thursday	Friday
9.00		English IIIA (Hons)	English IIIB		
10.00	English IIIA	English IIIA	English IIIA		Sc. Thought III
11.00	English IIIB German III(S)	Economics III	German III(S)	History III (tuts.) Economics III	
12.00	Drama III	Sc. Thought III German III(S)	Psychology III		
1.00					
2.00	Psychology III	History III	English IIIB	Sc. Thought III	
3.00	Psychology III (to 5.00 p.m.)	English IIIB Psychology III (to 5.00 p.m.)			
4.00		German III(S)	History III Drama III	Drama III	
5.00	Sociology IIIA	Sociology IIIA (to 7.00 p.m.)			
6.00	Sociology IIIB (to 7.30 p.m.)		Sociology IIIB (to 7.30 p.m.)		

(S) indicates classes at Sydney University.

Times for Philosophy III to be arranged by the School of Philosophy at the beginning of Term 1, 1964.

Tutorials in Economics III will be arranged by the School of Economics.

Students taking courses from Group 7 (other than Sc. Thought) must consult the enrolling officer for their timetables.

Students taking courses from Group 6 must consult the enrolling officer for their timetables.

Diploma Courses

In addition to the courses leading to the Degree of Bachelor of Arts, there are two Diploma Courses offered within the Faculty, the undergraduate diploma in Sociology and the graduate diploma in Librarianship.

DIPLOMA IN SOCIOLOGY

In addition to the Arts degree courses in Sociology, the School of Sociology offers a course lasting three years and leading to a Diploma in Sociology (Dip. Soc.). This course is designed essentially to meet the need of persons who are engaged in work calling for sociological knowledge and who wish to receive an academic training related to such work. It is intended to provide a specialised course dealing with principles of intelligent and effective social action, particularly as related to the achievement of satisfactory human relationships among groups of people whose social needs are greater than they can meet out of their own unaided resources.

The central subject of the course is Sociology, with supplementary teaching in other related fields. The course aims to provide a basis of understanding and knowledge upon which social techniques can subsequently be built in other courses or in experience in the work situation. At the third year level there will be specialisms in such fields as child welfare, criminology, youth welfare, migrant assimilation, etc., together with special seminars to study concrete problems of social action.

For persons contemplating a career in social work, an additional area of training is provided in conjunction with the Diploma. The course consists of lectures and seminars, together with special field work in approved social agencies.

The course is shorter than that required for a B.A. degree, but the pass standards required of candidates for the Diploma in Sociology will be those of an Arts degree.

Entrance Requirements

Intending candidates should apply to the School of Sociology, The University of New South Wales, Kensington (663-0351) as early as possible.

Candidates for admission to the course shall be required:

- (i) to have obtained matriculation by the recognised examination; or in the case of approved students over the age of 25 years, to have met the matriculation requirements of the University as set out in Section 4 (ii) of the matriculation requirements in the University Calendar.

- (ii) to possess suitable personal qualities as determined by the Professorial Board on the advice of the Head of the School of Sociology.

Diploma Requirements

- (i) Four major courses of not less than 90 hours per year, these courses to count towards an Arts degree.
- (ii) Five minor courses, each of not less than 30 hours per year.
- (iii) Advanced seminars, comprising 90 hours' work, on practical administrative and field problems.
- (iv) Presentation of a thesis. The thesis is to be a report of an investigation or project successfully carried out by the candidate under the supervision of the School of Sociology. The thesis must represent the original work of the student and may not be submitted for any other qualification. The thesis must be presented no later than three years after the completion of the other requirements, except by special permission under special circumstances.

OUTLINE OF COURSE

FIRST YEAR

53.111	Sociology I	.....	3 hours per week
12.011	Psychology I	.....	5 " " "

SECOND YEAR

53.112	Sociology II	.....	3 hours per week
51.091	Social History	.....	1 " " "
15.022	Social Economics	.....	1 " " "
12.701	Psychology	.....	2 " " "
53.232	Sociology of Social Work	.....	1 " " "

THIRD YEAR

53.113	Sociology III	.....	3 hours per week
53.213	Social Administration	.....	1 " " "
53.223	Elective—Seminar (on child welfare, marriage counselling, criminology, etc.)	.....	3 " " "

Thesis

To be presented in the final year, or not later than 3 years after the completion of the other requirements.

Special Course

53.333	Social Case Work	3 hours per week (together with prescribed field work)
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DESCRIPTIONS OF SUBJECTS

53.111 SOCIOLOGY I

As for B.A. course; see description earlier in this Handbook.

12.011 PSYCHOLOGY I

As for B.A. course; see description earlier in this Handbook.

53.112 SOCIOLOGY II

As for B.A. course; see description earlier in this Handbook.

51.091 SOCIAL HISTORY

History of social conditions, especially as affecting underprivileged groups in England and Australia in the 19th and 20th centuries. History of statutory and voluntary efforts towards social amelioration. Changing attitudes towards social need.

Text Books

Cole and Postgate: *The Common People* (University Paperback).

Thompson, D.: *England in the Nineteenth Century* (Pelican).

Reference Books

Briggs, A.: *The Age of Improvement*.

Halevy, E.: *History of the English People* (5 vols.).

15.022 SOCIAL ECONOMICS

The first part of this course will outline the economic system of Australia. The remainder of the course will deal with economic aspects of particular social problems: e.g., unemployment, the regulation of wages and the conditions of work, industrial disputes and arbitration, population trends and policy, the cost of living, housing and public health.

Text Books

Downing, R. I.: *National Income and Social Accounts* (M.U.P.).

Nankervis, F. T.: *Descriptive Economics* (Longmans).

National Income and Expenditure (latest issue) (Government Printer, Canberra).

Reference Books

Margaret Tew: *Work and Welfare* (M.U.P.).

The Australian Economy (latest issue) (Government Printer, Canberra).

12.701 PSYCHOLOGY

This course examines the factors responsible for determining behaviour and is concerned with both cultural influences and psychological variables. The nature and processes of an individual's develop-

ment from birth to adulthood are considered in relation to theories of motivation, perception and learning and to contributions from social psychologists and cultural anthropologists.

Text and Reference Books

As for 12.022 Psychology II, Part (a), in B.A. course; see earlier in this Handbook.

53.232 SOCIOLOGY OF SOCIAL WORK

The course will deal with the history of social work and the evolution of a professional approach to it. Study will be made of fundamental principles of social work and the values institutionalised within it, such as the dignity of the human being and the personal responsibility of each individual for his own welfare. Description and forms of social work; case work, group work; community organisation. Methods and principles of activating key persons and groups in the community and of inter-group co-operation. Overcoming resistance in particular fields. Technique of motivating people and securing co-operation. Problems of communicating knowledge.

Reference Books

Fink, Wilson and Conover: *The Field of Social Work* (Holt).
Merton and Nisbet: *Contemporary Social Problems* (Harcourt, Brace and World).
Winski and Lesbeaux: *Industrial Society and Social Welfare* (Russell Sage Foundation).

53.113 SOCIOLOGY IIIA

As for B.A. course; see description earlier in this Handbook.

53.213 SOCIAL ADMINISTRATION

This course will provide a short historical survey of the social services; methods in social policy, such as planning, legislation, administration and social work and the methods for their proper articulation; the relation between statutory and voluntary services; the problems of personnel recruitment and training in various fields of social service; problems of social policy under conditions of social change.

Reference Books

Birch, A. H.: *Federalism, Finance and Social Legislation* (O.U.P.), 1955.
Burns, Evelyn: *Social Security and Public Policy* (McGraw-Hill), 1956.
Clarke, J. J.: *Social Welfare* (Pitman, 1953).
Hall, M. Penelope: *Social Sources of Modern England* (Routledge K. P.), 1953.
Mendelsohn, R.: *Social Security in the British Commonwealth* (Athlone Press), 1954.
Titmuss, R.: *Essays on the Welfare State* (Allen and Unwin), 1958.
Swan, Jean A.: *Widows in Australia* (Council of Social Service), Sydney, 1962.

53.223 ELECTIVE

Seminars will be arranged, taking into account the specialisations of the class members, on topics such as child welfare, marriage counselling, criminology, etc.

53.333 SOCIAL CASE WORK

This course will consist of lectures and seminars concerned with the practice of social work and will be related to the supervised field work which is an integral part of this course.

ENROLMENT PROCEDURE AND FEES

For details of "Enrolment Procedure" and "Fees" see earlier under these headings.

DIPLOMA IN SOCIOLOGY — TIMETABLE 1964

Sociology I	Tuesday, Wednesday, Thursday (Tutorial), Friday 5-6 p.m.
Sociology II	Tuesday, Wednesday, Friday 5-6 p.m.
Sociology IIIA	Monday 5-6 p.m.; Tuesday 5-7 p.m.
Elective	Monday 6-7.30 p.m.; Wednesday 6-7.30 p.m.
Psychology I	Tuesday 6-9 p.m.; Friday 6-8 p.m.
Psychology (Adv.)	Friday 6-8 p.m.
Sociology of Social Work	Wednesday 8-9 p.m.
Social Administration	Tuesday 8-9 p.m.
Social History	Tuesday 7-8 p.m. (Offered in even years only.)

	Monday	Tuesday	Wednesday	Thursday	Friday
5 p.m.	Sociology IIIA	Sociology I Sociology II Sociology IIIA	Sociology I Sociology II	Sociology I(T)	Sociology I Sociology II
6 p.m.	Elective	Psychology I Sociology IIIA	Elective		Psychology I Psychology (Adv.)
7 p.m.	Elective (to 7.30 p.m.)	Psychology I Social History	Elective (to 7.30 p.m.)		Psychology I Psychology (Adv.)
8 p.m.		Psychology I Social Admin- istration	Sociology of Social Work		

DIPLOMA IN LIBRARIANSHIP

Requirements for the Award of the Diploma in Librarianship

Intending students are referred to the conditions for the award of graduate diplomas set out in the University Calendar.

Candidates for the award of the Diploma in Librarianship must meet the following requirements:

- (1) Hold a degree, other than in Librarianship, of an approved University.
- (2) Successfully complete the prescribed course of lectures, practical work and assignments.
- (3) Complete at least one year's employment in approved professional work.

OUTLINE OF COURSE

							Hours per Week for each of 3 terms
55.321	Book	Acquisition	....	....	....	....	1
55.411	Descriptive, Author and Title Cataloguing	....	....	....	....	....	2
55.421	Subject Cataloguing and Classification	....	....	....	....	....	2
55.511	Reference Work and Aids to Research	....	....	....	....	....	2
	and five of the following:						
55.211	Library History, Provision and Government	....	....	....	....	....	1
55.221	Library Organization	....	....	....	....	....	1
55.311	Book Production ..	....	....	....	....	....	1
55.521	Circulation, Co-operation and Reader Relations	....	....	....	....	....	1
55.611	Archives and Official Publications	....	....	....	....	....	1
55.621	Special Materials	....	....	....	....	....	1
55.711	Children's Libraries	....	....	....	....	....	1
55.721	Children's Literature	....	....	....	....	....	1
							12

The lectures and practical work are held on four mornings of each week from 9.0 a.m. to 12.30 p.m.

The course can be completed in one year of full-time attendance and in more than one year of part-time attendance.

ENROLMENT PROCEDURE

Applications for admission to the course should be made on the prescribed form which must be lodged with the Registrar at least one full calendar month before the course begins. The Registrar will advise applicants whether they are eligible to enrol. Successful applicants must complete their enrolment by attending at the office of the School of Librarianship, first floor, Dalton Chemistry Building, between 2.00 and 5.00 p.m., or 6.00 and 8.30 p.m. on Friday, 28 February, 1964.

FEEES

Students enrolling in the Diploma Course in Librarianship must attend the appropriate enrolment centre as set out above under "Enrolment Procedure" for authorisation of their course programme.

Fees should be paid during the prescribed enrolment period, but will be accepted without a late fee being payable during the first two weeks of first term. No student is regarded as having completed an enrolment until fees have been paid. *Fees will not be accepted (i.e. enrolment cannot be completed) after 31st March* except with the express approval of the Registrar, which will be given in exceptional circumstances only.

In general, the provisions relating to the payment of fees by undergraduates apply equally to post-graduate students. Such provisions are set out under "Fees" on pages 20-3. In particular, the attention of students is drawn to the subsections dealing with Payment of Fees by Term, Assisted Students, Extension of Time, Failure to Pay Fees, Other Fees, Late Fees, and Withdrawal from the Course.

Fees

- | | | |
|---|-------|----|
| (i) Registration Fee | ..... | £2 |
| (ii) Award of Diploma Fee | ..... | £3 |
| (iii) Course Fee — calculated on the basis of a term's attendance at the rate of £2.10s.0d. per hour per week. Thus the fee for a programme requiring an attendance of 12 hours per week for the term is 12 x £2.10s.0d. = £30.0s.0d. per term. | | |

Other Fees

Fees (ii)-(vi) as for undergraduate courses. See page 22.

Late Fees

As for undergraduate courses. See pages 22-3.

TIMETABLE FOR 1964

	Monday	Tuesday	Wednesday	Thursday	Friday
9.00	Book Acquisition	Book Production	Library History, Provision and Government	Circulation, Co-operation and Reader Relations Archives and Official Publications	
10.00	Reference Work and Aids to Research	Descriptive, Author and Title Cataloguing	Subject Cataloguing and Classification	Children's Libraries Special Materials	
11.00					
11.30	Reference Work and Aids to Research	Descriptive, Author and Title Cataloguing	Subject Cataloguing and Classification	Children's Literature Library Organisation	

DESCRIPTIONS OF SUBJECTS

55.211 LIBRARY HISTORY, PROVISION AND GOVERNMENT

An optional course of 30 hours of lectures and practical work.

- (a) The history and purposes of libraries and librarianship; types of library; profession of librarianship: qualifications, training and ethics.
- (b) Library provision, legislation, finance, management.
- (c) Library surveys.
- (d) The literature of librarianship.

Reference Books

- Brown, J. D.: *Manual of Library Economy*, 7th ed. Lond. (Grafton), 1961.
- Esdaille, A.: *National Libraries of the World*, 2nd ed. Lond. (L.A.), 1957.
- Hessel, A.: *History of Libraries*, Washington (Scarecrow Press), 1950.
- Wheeler, J. L.: *Practical Administration of Public Libraries*, N.Y. (Harper and Row), 1962.

55.221 LIBRARY ORGANIZATION

An optional course of 30 hours of lectures and practical work.

- (a) Location, planning, equipment of libraries and library services.
- (b) Administration, staffing, organization of processing and service departments: acquisition, cataloguing and classifying, lending and reference.

Reference Books

- Brown, J. D.: *Manual of Library Economy*, 7th ed. Lond. (Grafton), 1961.
Burchard, J. E.: *Planning the University Library Building*. Princeton (Princeton U.P.), 1949.
Galvin, H. R.: *Small Public Library Building*, Paris (Unesco), 1959.
Tauber, M. F.: *Technical Services in Libraries*, N.Y. (Columbia U.P.), 1958.
Wheeler, J. L.: *Practical Administration of Public Libraries*, N.Y. (Harper and Row), 1962.

55.311 BOOK PRODUCTION

An optional course of 30 hours of lectures and practical work.

History of writing, printing, and the book, its make-up and apparatus, typography, illustration, binding. Photography, duplicating and copying. Microfilms. The book trade: printing, publishing and book-selling, library needs and relations.

Reference Books

- Aldis, H. G.: *The Printed Book*, 3rd ed. (Cambridge Univ. Press), 1951.
Bland, D.: *Illustration of Books*, 2nd ed. Lond. (Faber), 1952.
Glaister, G. A.: *Glossary of the Book*, Lond. (Allen & Unwin), 1960.
Harrison, F.: *A Book about Books*, Lond. (Murray), 1948.
Jennett, S.: *Pioneers in Printing*, Lond. (Routledge), 1958.
Kenyon, Sir F. G.: *Books and Readers in Ancient Greece and Rome*, 2nd ed. Oxford (Clarendon Press), 1951.
Moorhouse, A. C.: *The Triumph of the Alphabet*, N.Y. (Schuman), 1953.
Peddie, R. A.: *Outline of the History of Printing*, Lond. (Grafton), 1917.
Snow, P.: *How a Book is Made*, Lond. (Routledge), 1960.
Unwin, Sir S.: *The Truth about Publishing*, New ed. Lond. (Allen and Unwin), 1960.
Udike, D. B.: *Printing Types, their History, Forms and Use*, 2nd ed. Cambridge, Mass. (Harvard U.P.), 1951.
Verry, H. R.: *Document Copying and Reproduction Processes*, Lond. (Fountain Press), 1958.
Young, J. L.: *Books, from the MS. to the Bookseller*, 3rd ed. Lond. (Pitman), 1947.

55.321 BOOK ACQUISITION

A compulsory course of 30 hours of lectures and practical work.

Acquisition of books and periodicals by purchase, donation, exchange and deposit. The acquisition process in relation to other processes.

Reference Books

- Carter, M. D., and Bonk, W. J.: *Building Library Collections*, N.Y. (Scarecrow Press), 1959.
- Haines, H. E.: *Living with Books; the Art of Book Selection*, 2nd ed. N.Y. (Columbia U.P.), 1957.
- Osborn, A. D.: *Serial Publications, their Place and Treatment in Libraries*, Chic. (A.L.A.), 1958.
- Tauber, M. F.: *Technical Services in Libraries*, N.Y. (Columbia U.P.), 1958.

55.411 DESCRIPTIVE, AUTHOR AND TITLE CATALOGUING

A compulsory course of 60 hours of lectures and practical work.

- (a) Library catalogues.
- (b) Cataloguing and the construction and arrangement of catalogues.
- (c) The principles and practice of bibliographical description, and of author and title entry.

Text Books

- American Library Association: *A.L.A. Cataloging Rules for Author and Title Entries*, 2nd ed. Chic., 1949.
- American Library Association: *A.L.A. Rules for Filing Catalog Cards*, Chic., 1943.
- Library of Congress: *Rules for Descriptive Cataloging in the Library of Congress*, Washington (Govt. Pr.), 1949.

Reference Books

- Akers, S. G.: *Simple Library Cataloging*, 4th ed. Chic. (A.L.A.), 1954.
- Mann, M.: *Introduction to Cataloging and the Classification of Books*, 2nd ed. Chic. (A.L.A.), 1943.
- Tauber, M. F.: *Technical Services in Libraries*, N.Y. (Columbia U.P.), 1958.

55.421 SUBJECT CATALOGUING AND CLASSIFICATION

A compulsory course of 60 hours of lectures and practical work.

- (a) Alphabetical subject and dictionary catalogues, bibliographies, indexes and abstracts. (The dictionary catalogue, etc., with Cutter's specific subject entry; alphabetic-classed catalogues, etc.; the alphabetical arrangement of special materials: pamphlets, films, etc.)
- (b) Classification and classified catalogues, shelf lists, bibliographies, indexes and abstracts. (Dewey Decimal Classification as applied in shelf arrangement and in classified catalogues, etc.; alternative general classifications — Library of Congress and others; classified arrangement of special materials: pamphlets, films, etc.)

Text Books

- Dewey, M.: *Decimal Classification and Relative Index*, 8th abridged ed. Lake Placid Club, N.Y. (Forest Press), 1959.
- Metcalf, J. W.: *Subject Classifying and Indexing of Libraries and Literature*, Syd. (A. & R.), 1959.
- Sears, M. E.: *List of Subject Headings*, 8th ed. N.Y. (Wilson), 1959.

Reference Books

- Mann, M.: *Introduction to Cataloging and the Classification of Books*, 2nd ed. Chic. (A.L.A.), 1943.
Merrill, W. S.: *Code for Classifiers*, 2nd ed. Chic. (A.L.A.), 1939.
Sayers, W. C. B.: *Manual of Classification*, 3rd ed. Lond. (Grafton), 1959.
Sharp, H. A.: *Cataloguing*, Lond. (Grafton), 1948.

55.511 REFERENCE WORK AND AIDS TO RESEARCH

A compulsory course of 60 hours of lectures and practical work.

- (a) Reference work and reference books. (Purposes and methods of reference work or assistance to readers; ready reference books: encyclopaedias, dictionaries, handbooks, yearbooks, etc.; their organization and use in general and special libraries and subjects.)
- (b) Research source materials. (Difference between popular and technical literature, and between original and secondary sources in the humanities, the social and the physical sciences and technologies.)
- (c) Bibliographies, indexes and abstracts. (Literature indexes such as the periodical indexes, usually alphabetical; abstracting journals, usually classified, in the social and physical sciences; law digests, usually alphabetical; special subject bibliographies; publishing trade bibliographies, etc.)

Text Book

- Barton, M. N.: *Reference Books*, 5th ed. Baltimore (Enoch Pratt Free Library), 1962.

Reference Books

- Hutchins, M.: *Introduction to Reference Work*, Chic. (A.L.A.), 1959.
Roberts, A. D.: *Introduction to Reference Books*, 3rd ed. Lond. (Library Association), 1958.
Shores, L.: *Basic Reference Sources*, Chic. (A.L.A.), 1959.
Walford, A. J.: *Guide to Reference Material and Supplement*, Lond. (Library Association), 1959-63.
Winchell, C. M.: *Guide to Reference Books (with supps.)*, Chic. (A.L.A.), 1951.

55.521 CIRCULATION, CO-OPERATION AND READER RELATIONS

An optional course of 30 hours of lectures and practical work.

- (a) Intra-mural and extra-mural circulation of books and periodicals: purposes, methods, alternatives. Interlibrary loans.
- (b) Co-operation in acquisition, processing and storage. Associations of libraries and librarians.
- (c) The promotion of library use; purposes and problems of service to special groups; user rights and privileges in libraries of different kinds; publicity and public relations.

Reference Books

- Geer, H. T.: *Charging Systems*, Chic. (A.L.A.), 1955.
Tauber, M. F.: *Technical Services in Libraries*, N.Y. (Columbia U.P.), 1958.

55.611 ARCHIVES AND OFFICIAL PUBLICATIONS

An optional course of 30 hours of lectures and practical work.

- (a) Archives and archival principles. Current records in relation to archives. Techniques of the archivist.
- (b) Types of official publications, their processing and use.

Reference Books

- Gt. Brit.: *Committee on Departmental Records: Report*, Lond. (H.M.S.O.), 1954 (Chairman: Sir James Grigg).
Schellenberg, T. R.: *Modern Archives, Principles and Techniques*, Melb. (Cheshire), 1956.

55.621 SPECIAL MATERIALS

An optional course of 30 hours of lectures and practical work.

Acquisition, organization, housing, conservation and use of special materials: manuscripts, maps, music, pamphlets, moving pictures, filmstrips, micro-copies, illustrations, disc and tape recordings, etc.

Reference Books

- Boggs, S. W., and Lewis, D. C.: *Classification and Cataloging of Maps and Atlases*, N.Y. (S.L.A.), 1945.
Bryant, E. T.: *Music Librarianship: a Practical Guide*, Lond. (Clarke), 1959.
Collison, R. L.: *The Treatment of Special Materials in Libraries*, Lond. (Aslib), 1957.
Galvin, H. R.: *Films in Public Libraries* (*Library Journal*, vol. 72, pt. 2; October 15, 1947).
Mason, D.: *Primer of Non-book Materials in Libraries*, Lond. (Assoc. of Assistant Librarians), 1959.
Schellenberg, T. R.: *Arrangement of Private Papers; Description of Private Papers* (*Archives and Manuscripts* 1: Aug. 1957, Aug. 1958).

55.711 CHILDREN'S LIBRARIES

An optional course of 30 hours of lectures and practical work.

- (a) Provision of children's libraries; function and aims of service to children in different age groups.
- (b) Organization of children's departments; training and qualification of children's librarians.
- (c) Librarianship in the children's library; special materials, treatment and use; extension work, relationship with other activities and with school libraries; the adolescent reader.

Reference Books

- Henne, F.: *Youth, Communication and Libraries*, Chic. (A.L.A.), 1949.
McColvin, L. R.: *Libraries for Children*, Lond. (Phoenix House), 1961.
McColvin, L. R.: *Public Library Services for Children*, Paris (Unesco), 1957.

55.721 CHILDREN'S LITERATURE

An optional course of 30 hours of lectures and practical work.

- (a) Historical development of children's literature; criteria for evaluation and selection; development of the reading interest of children.
- (b) Bibliographies of children's literature.
- (c) Books for children according to age: imaginative literature, traditional literature, "classics", factual and reference books, periodicals, books for backward readers. Illustrated books and illustrators. Books for the adolescent.

Reference Books

- Arbuthnot, M. H.: *Children and Books*, Chic. (Scott, Foresman), 1947.
Darton, F. J. H.: *Children's Books in England*, 2nd ed. Cambridge (C.U.P.), 1958.
Hazard, P.: *Books, Children and Men*, Boston (Horn Book), 1944.
Mahony, B. E.: *Illustrators of Children's Books, 1744-1956*, Boston (Horn Book), 1947-58.
Smith, L. H.: *The Unreluctant Years: a Critical Approach to Children's Literature*, Chic. (A.L.A.), 1953.
White, D. N.: *About Books for Children*, N.Y. (O.U.P.), 1946.
White, D. N.: *Books before Five*, Wellington (N.Z. Council for Educ. Research), 1954.