FACULTY OF ARTS

1966 HANDBOOK



THE UNIVERSITY OF NEW SOUTH WALES



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THE UNIVERSITY OF NEW SOUTH WALES

P.O. Box 1, Kensington, N.S.W. Phone: 663-0351

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CALENDAR OF DATES FOR 1966

Term 1: March 7 to May 21

Term 2: June 6 to August 13

Term 3: September 5 to November 5

January—

7

	Monday 24	Last day for acceptance of appli- cations to enrol by new students and students repeating first year.
	Monday 24 to Saturday, February 5 Monday 31	Deferred examinations. Australia Day—Public Holiday.
Febr	uary—	
,	Monday 21	Enrolment week commences for new first year students.
	Monday 28	Enrolment week commences for students re-enrolling.
Marc	ch—-	
	Monday 7 Friday 18	First term lectures commence. Last day of enrolment for new students.
	Thursday 31	Last day for later year enrolments.
Apri	 	
	Friday 8 to Monday 11 Monday 25	Easter Holidays. Anzac Day—Public Holiday.
May-	_	
	Saturday 21	First term ends.

June—	
Monday 6 Monday 13 Thursday 30	Second term commences. Queen's birthday—Public Holiday. Last day for acceptance of appli- cations for re-admission after exclusion under rules governing re-enrolment.
July—	
Tuesday 5	Foundation Day.
August—	
Friday 12	Last day for acceptance of appli- cations for examinations—30-week
Saturday 13	Second term ends.
September—	
Monday 5	Third term commences.
October	
Monday 3	Six Hour Day—Public Holiday.
November—	
Saturday 5 Saturday 12	Third term lectures cease. Examinations commence (30-week courses).
	1967
January—	
Monday 23 to Saturday, February 4	Deferred examinations.
February	
Monday 20	Enrolment week commences for
Monday 27	new first year students. Enrolment week commences for students re-enrolling.
March—	
Monday 6	First term lectures commence.

FACULTY OF ARTS

Dean and Chairman

Professor J. B. Thornton

SCHOOL OF ENGLISH

Professor of English and Head of School H. J. Oliver, MA Syd.

Associate Professor Leonie J. Kramer, BA Melh., DPhil Oxon.

Senior Lecturers

O. N. Burgess, MA DipEd Syd.
J. M. Couper, MA PhD Aherd.
P. K. Elkin, BA DipEd Syd., BLitt Oxon.
R. G. Geering, MA DipEd Syd.
Thelma G. Herring, MA Oxon and Syd.
H. P. Heseltine, BA W. Aust., MA, PhD Louisiana State

Lecturers

J. M. Allen, BA Rand and Oxon. E. A. M. Colman, MA Glas. Dorothy L. M. Jones, MA N.Z. and Adel., BLitt Oxon. S. Tick, MA N.Y.

Teaching Fellows Jill D. Graham, MA Qld. Susan M. W. Simpson, BA Syd.

SCHOOL OF HISTORY

Professor of History and Head of School F. K. Crowley, MA PhD Melb., DPhil Oxon.

Senior Lecturers

P. J. O'Farrell, MA N.Z., PhD A.N.U.

A. T. Yarwood, MA DipEd Syd.

Lecturers

B. H. Fletcher, MA DipEd Syd.

A. D. MacLachlan, BA Cantah.

D. R. G. Packer, MA Melb.

Tutor

Heather J. Radi, BA PhD Qld., DipLib N.S.W.

Teaching Fellow

J. M. McCarthy, BA Qld.

SCHOOL OF LIBRARIANSHIP

Head of School

The University Librarian, J. W. Metcalfe, BA Syd., FLA, FLAA

Senior Lecturer

Wilma Radford, BA Syd., BS Col., FLAA

SCHOOL OF PHILOSOPHY

Professor of Philosophy and Head of School J. B. Thornton, BA BSc Syd.

Department of Philosophy

Associate Professor C. L. Hamblin, BSc, MA Melb., PhD Lond.

Senior Lecturers R. E. Dowling, BA Syd., PhD Lond. R. S. Walters, MA Syd.

Lecturers

P. C. Gibbons, BA Syd., BPhil Oxon. F. N. Harpley, BA Syd. Mrs. Barbara A. Roxon, BA Syd. A. C. W. Sparkes, BA Qld. and Lond.

Department of History and Philosophy of Science

Senior Lecturer R. M. Gascoigne, MSc Syd., PhD Liv.

Lecturers G. A. Freeland, BA Brist., CertHist&PhilosSci Cantab. R. J. Gillings, MSc MEd Syd.

W. H. Leatherdale, BA Melb.

Tutor

R. H. Austin, BA Syd.

SCHOOL OF POLITICAL SCIENCE

Professor of Political Science and Head of School D. M. McCallum, BA Syd., MA, BPhil Oxon.

Associate Professor

Ruth Atkins, BA BEc DipEd Syd.

Senior Lecturers

O. Harries, BA Wales, MA Oxon.

P. D. Marchant, BA Syd., PhD A.N.U.

A. C. Palfreeman, LicèsScsPols Geneva, MA A.N.U.

Lecturers

S. C. Ghosh, BA Dacca, MA Calc., PhD Manc.

Tutor

S. C. Bennett, BA Tas., MA A.N.U.

SCHOOL OF SOCIOLOGY

Professor of Sociology and Head of School Vacant

Acting Head of School

Professor D. M. McCallum, BA Syd, MA, BPhil Oxon.

Associate Professors

A. A. Congalton, MA DipEd N.Z.

Norma Parker, BA W. Aust., MA, DipSocWk C.U.A.

Senior Lecturer

G. Audrey Rennison, MA Cantab., CertSocSci&Admin L.S.E.

Lecturers

E. H. R. Dowdy, BEc MEd Syd., DrPhil Heidel., DipEd N.E. R. A. Nies, MA S. Calif., PhD Syd. P. A. Vinson, BA, DipSocStud Syd., DipSoc N.S.W.

Teaching Fellow R. E. Norton, BA Syd.

SCHOOL OF WESTERN EUROPEAN LANGUAGES

Department of French

Professor of French and Head of School Judith O. Robinson, BA Syd., MA Cantab., DU Paris

Senior Lecturer

L. R. Chambers, MA DipEd Syd.

Lecturers

Marie-Madeleine Couturier, LèsL, CAPES, Dipd'EtSup Paris R. H. Steele, BA Syd., DipdePhon Paris

Tutor

Judith C. Hatten, BA Syd., DipLangueLitFr Rennes

Department of German

Associate Professor W. G. Hesse, DrPhil Breslau, MA Cape T.

Lecturer

J. R. Milfull, BA Syd.

Department of Spanish

Associate Professor

L. B. Harrop, BA DipEd W. Aust., MA Interamericana, Mexico, DipEstHisp Santander, DipFilHisp Salamanca, FIL

DEPARTMENT OF DRAMA

Associate Professor of Drama C. R. B. Quentin, MA Oxon.

Senior Lecturer P. E. Parsons, BA W. Aust., MA PhD Cantab.

Lecturer V. J. Emeljanow, MA N.Z., PhD Stan.

Post-Doctoral Research Fellow Helene L. Oppenheim, BA S.A., PhD Berl.

SCHOOL OF APPLIED PSYCHOLOGY

Professor of Applied Psychology and Head of School J. F. Clark, BSc MA DipEd Syd., PhD Lond.

Professor of Applied Psychology A. G. Hammer, MA Syd.

Executive Assistant to Head of School A. K. Olley, BA Syd.

General, Experimental and Measurement Psychology

Senior Lecturers
A. Meadows, MA Melb., PhD Lond.
A. K. Olley, BA Syd.
O. Porebski, MA PhD Lond.
P. Van Sommers, MA Melb., PhD Harv.

Lecturers

S. Bochner, BA Syd., MA Hawaii
Irene A. Edmonds, MA Syd., PhD Belf.
W. Hopes, BA Syd.
C. P. Kenna, BA BSc Syd.
K. R. Llewellyn, BA PhD Syd.
J. C. Murray, BA Syd.

Senior Tutor N. Cochrane, BA Cantab.

Tutors

C. J. S. Brammall, BA Tas. Kathryn Ernst, BA Syd. Jennifer A. Noesjirwan, BA N.Z.

SCHOOL OF ECONOMICS

Professor of Economics and Head of School J. W. Nevile, BA W. Aust., MA, PhD Calif.

Research Professor of Economics M. C. Kemp, BCom MA Melb., PhD Johns H.

Department of Economics

Senior Lecturers

Z. M. Kubinski, MA Leeds

D. M. Lamberton, BEc Syd., DPhil Oxon.

G. D. McColl, MSc(Econ) Lond., AASA

K. D. Rivett, MA PhD Melb.

N. Runcie, BEc Syd., PhD Lond.

D. J. Stalley, MEc Adel., AUA

Lecturers

G. J. Abbott, BEc DipEd Syd., BEd Melb., MA Manit.

I. Gordijew, BEc Syd.

Senior Tutors

D. J. Collins, BCom Birm.

A. J. Fitzgibbon, BCom N.S.W.

Tutors

D. R. Arrowsmith, BA Melb.

F. W. Gould, BA Lond.

E. R. Sowey, BEc Syd.

Teaching Fellow

T. J. Phillips, BCom N.S.W.

Department of Industrial Relations

Senior Lecturer

J. Child, BCom MA N.Z., DPhil Oxon.

Lecturer

G. W. Ford, BA DipEd Syd., MA(Econ) U.C.L.A.

Tutor

J. R. Niland, BCom N.S.W.

Department of Economic Statistics

Senior Lecturers R. A. Layton, MEc Syd. Sheila I. Rowley, MA W. Aust., MSc PhD N. Carolina

Associate Lecturer

L. L. F. Wegge, LicEconWet GradActWet Louvain, PhD M.I.T.

SCHOOL OF MATHEMATICS

Professor of Mathematics and Head of School G. Bosson, MSc Lond.

Professor of Applied Mathematics J. M. Blatt, BA Cinc., PhD Corn. and Prin., FAPS

Professor of Pure Mathematics G. Szekeres, DiplChemEng Bud., FAA

Executive Assistant to Head of School M. H. McKay, MA DipEd Syd., PhD N.S.W., FRAS

Department of Mathematics

Senior Lecturers

C. M. Groden, DiplMath Zur.

C. B. Kirkpatrick, MSc Syd., AInstP

M. H. McKay, MA DipEd Syd., PhD N.S.W., FRAS

S. A. Senior, MSc DipEd Leeds

Lecturers

M. A. Eggar, Staatsexamen DrNatScs DiplEd Berl.
D. E. Mackenzie, BSc Tas.
D. A. Mustard, BSc Syd., MSc N.S.W.
S. J. Prokhovnik, BA MSc Melh.

Senior Tutor

Mrs. Agnes V. Nikov, DiplMath DiplEd Bud. Mary C. Freislich, BA Rand.

Tutor

K. A. Robinson, BSc BE Syd.

Department of Pure Mathematics

Senior Lecturers

- J. D. Dixon, MA Melb., PhD McG.
- J. L. Griffith, BA MSc DipEd Syd.
- J. St. A. Sandiford, MSc Syd.

Lecturers

- C. D. Cox, BSc DipEd Qld.
- M. G. Greening, MA Lond.
- R. F. Matlak, PhMgr Cracow, MA Syd.
- W. J. Pretorius, MSc Rhodes, DIC
- N. F. Smythe, BSc N.S.W., PhD Prin.
- Z. H. Star, BSc MPS PhC Syd.

Senior Tutor

W. J. Atterton, MSc Syd.

Tutor

R. W. Ahrens, BSc Adel.

Teaching Fellows

- J. V. Corbett, BSc Adel.
- R. Farrell, BSc N.S.W.
- A. J. Van der Poorten, BSc N.S.W.
- J. Underwood, BSc N.S.W.

Department of Applied Mathematics

Senior Lecturers

J. N. Lyness, MA DPhil Oxon.
B. W. Ninham, MSc W. Aust., PhD Maryland (Queen Elizabeth II Post-Doctoral Research Fellow)

W. E. Smith, MSc Syd., BSc Oxon., AInstP

Lecturers

K. Okamoto, BS PhD Tokyo, PhD Louisiana State

I. H. Sloan, BA BSc Melb., MSc Adel., PhD Lond.

Department of Statistics

Associate Professors

J. B. Douglas, MA BSc DipEd Melb.

S. Lipton, MSc Liv.

Senior Lecturers

A. G. L. Elliott, BSc W. Aust.
M. A. Hanson, BSc Qld., MSc Melb., PhD N.S.W.
M. K. Vagholkar, MSc Bom., PhD Lond., DIC

Lecturers

R. B. Davis, BSc Syd., MSc N.S.W., DipEd N.E.

C. A. McGilchrist, BSc BEd Qld., MSc N.S.W.

P. J. Staff, BSc DipEd Syd.

Senior Tutors

A. D. Joffe, MSc Rand B. P. Murphy, BA Qld.

Teaching Fellow

Pamela Cox, BSc N.S.W.

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 History and Philosophy of Science 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.

In addition, the Faculty of Arts conducts a post-graduate course in librarianship which leads to a diploma (Dip. Lib.). Complete details of this course are recorded at the end of this handbook.

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. History and Philosophy of Science I, II. Sociology I. History III, and Economics III could be taken in a fourth year

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 37 to 43.

ADMISSIONS OFFICE

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

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

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

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

The Admissions Office also receives applications from students who wish to transfer from one course to another, or seek any concession in relation to a course in which they are enrolled. These applications should, wherever possible, be lodged before the commencement of the academic year in which the concession is to apply. Students wishing to resume their studies after an absence of twelve months or more are required to apply to the Admissions Office for permission to re-enrol. It should be noted that, unless permission has been given to defer their studies for a specified period which will not normally exceed twelve months, students will be required to re-enter the course under the regulations prevailing at the time of resumption. This condition will apply also to students who have been re-admitted to a course after exclusion under the rules restricting students re-enrolling.

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

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

REQUIREMENTS FOR ADMISSION

Introductory Information

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

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

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

closing date for such candidates will be announced when the

Matriculation Requirements (to operate from 1st January, 1961);

- (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.
- (i) For the purpose of matriculation approved subjects* are grouped as follows:—
 - A. English.
 - B. Latin, Greek, French, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch, Geography, Ancient History, Modern History, Economics.
 - C. Mathematics I, Mathematics II, Mathematics III.
 - D. Agriculture, Applied Mathematics, General Mathematics, Biology, Botany, Chemistry, Physics, Geology, Physics and Chemistry, Physiology, Zoology.
 - E. Accountancy, Art, Descriptive Geometry and Drawing, Music, Theory and Practice of Music.
 - (ii) In order to satisfy the conditions for admission to undergraduate courses leading to a degree, candidates must pass the New South Wales Leaving Certificate Examination conducted by the Department of Education, or the University of Sydney Matriculation Examination in at least five approved subjects at the one examination; provided that:----

^{*} 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.

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

- 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 five passes include either one first class Honours and two A's or two Honours of which one is first class;

and:----

- (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 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.

ENROLMENT PROCEDURE FOR UNDERGRADUATE COURSES

First Enrolments. Application for enrolment in first year must wherever possible be made in person to the Student Enrolment Bureau, Kensington, as soon as the results of the Leaving Certificate Examination are published, but in any event not later than 24th January.

Country residents who wish to enrol with the University 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 24th January.

In 1966, in all facultics except Medicine where a quota will be necessary, all properly qualified candidates for enrolment will, it is hoped, be accepted. However, should enrolment estimates be exceeded or staff shortages become acute, restrictions may have to be imposed in the Faculty of Arts. Early application, therefore, is essential.

New students complete their enrolment at a specified appointment time in the second week before the start of First Term. Fees must be paid on the day of the appointment. However, in special circumstances and provided class places are still available, students may be accepted for enrolment after the prescribed week subject to the payment of a late fee.

Applicants for enrolment with advanced standing or applicants relying on overseas examinations for matriculation should lodge an application with the Admissions Office prior to 1st October of the year preceding that in which admission is sought.

First Year Repeats. First Year students who fail all subjects at the annual examinations and who are not granted any deferred examinations must apply for re-enrolment to the Student Enrolment Bureau at the time set out above for First Enrolments. Other first year repeat students follow the procedure set out below for Later Year Enrolments.

Later Year Enrolments

Full-time Degree Courses

All students, except new First Year students and students who failed all subjects in 1965, are required to attend for enrolment

in Building F, Rooms 208 and 209, according to the following timetable:

- Second Year students whose surnames have initial letters "A" to "J"
- Second Year students whose surnames have initial letters "K" to "P"
- Second Year students whose surnames have initial letters "Q" to "Z"
- Third year students and Honours Year students

Monday, 28th February, 9.30 a.m. to 12 noon. Monday, 28th February, 3.00 p.m. to 5.00 p.m. Tuesday, 1st March, 9.30 a.m. to 12 noon. Tuesday, 1st March, 2.00 p.m. to 4.30 p.m.

Part-time Sociology Diploma

All students are required to attend for enrolment in Building F, Room 208, on Tuesday, 1st March, between 2.00 p.m. and 4.30 p.m. and 5.30 p.m. to 8.30 p.m.

Enrolment forms will be available at the enrolment points.

Miscellaneous Subjects

Students may be accepted for enrolment in miscellaneous subjects provided the University considers that the subject/s will be of benefit to the student and there is accommodation available. Under no circumstances will subjects taken in this way count towards a degree or diploma.

Students wishing to enrol in subjects offered in the Faculty of Arts must first obtain permission from the Head of the appropriate School or his representative and then attend for enrolment at the times specified below as follows:

Faculty Office, Room 119, First Floor, Building "F"Friday, 4th March2.00 p.m. to 4.30 p.m.
6.00 p.m. to 7.30 p.m.

Enrolment in Italian at the University of Sydney

Arts students who wish to take courses in Italian 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 24th January, 1966.
- 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;

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- (b) if appropriate, that the student holds a Teachers' College Warrant No.....
- 3. Register with the appropriate Department at the University of Sydney.

Final Dates for Enrolment

No enrolments will be accepted from *new students* after the end of the second week of term (18th March, 1966) except with the express approval of the Registrar and the Head of the School concerned; no *later year enrolments* will be accepted after 31st March without the express approval of the Registrar, which will be given in exceptional circumstances only.

UNIVERSITY UNION CARD

All students other than miscellaneous students are issued with a University Union membership card. This card must be carried during attendance at the University and shown on request.

The number appearing on the front of the card in the space at the top righthand corner is the student registration number used in the University's records. This number should be quoted in all correspondence.

The card must be presented when borrowing from the University libraries, when applying for Travel Concessions and when notifying a change of address. It must also be presented when paying fees on re-enrolment each year when it will be made valid for the year and returned. Failure to present the card could result in some inconvenience in completing re-enrolment.

A student who loses a Union Card must notify the University Union as soon as possible.

New Students will be issued with University Union cards by mail to their term address as soon as possible after fee payment. In the meantime, the fees receipt form should be carried during attendance at the University and shown on request. If the Union card is not received within three weeks of fee payment the University Union should be notified.

FEES

Fees are current at the time of publication, and may be amended by Council without notice.

Fees for Arts Courses

- (i) Pass—\$72 (£36) per annum per subject or \$24 (£12) per term per subject.
- (ii) Distinction Subjects or Honours—an additional \$24 (£12) per annum per subject in which distinction or honours are taken in student's second and third years and \$96 (£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 \$20 (£10) per annum (no term payment).

Fees for Diploma in Sociology Course

- (i) (a) Over 6 hours' and up to 15 hours' attendance per week —\$48 (£24) per term.
 - (b) 6 hours' or less attendance per week-\$24 (£12) per term.
- (ii) Thesis Fee—Students who have completed the final examinations but have a thesis still outstanding are required to pay \$20 (£10) per annum (no term payment).

Miscellaneous Subjects

- (i) Pass—\$72 (£36) per annum per subject or \$24 (£12) per term per subject.
- (ii) Distinction Subjects or Honours—an additional \$24 (£12) per annum per subject in which distinction or honours are taken in students' second and third years and \$96 (£48) per subject per annum in the fourth year.
- (iii) Distinction section only—\$72 (£36) per annum per subject or \$24 (£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—\$6 (£3)—payable at the beginning of first year.
- (ii) Library Fee-annual fee-\$10 (£5).
- (iii) Student Activities Fees. University Union*-\$12 (£6)—annual subscription. Sports Association*-\$2 (£1)—annual subscription. Students' Union*-\$4 (£2)—annual subscription. Miscellaneous-\$6 (£3)—annual fee. Total-\$24 (£12).
- (iv) Diploma or Graduation Fee—\$6 (£3)—payable at the completion of the course.
- (v) Deferred examination-\$4 (£2) for each subject.
- (vi) Examinations conducted under Special Circumstances—
 \$6 (£3)—for each subject.
- (vii) Review of Examination Result-\$6 (£3)-for each subject.
- (viii) Chemistry Kit Hiring Charge-\$4 (£2) per kit.

Additional charge for breakages and losses in excess of 1(10/-) may be required.

(ix) Excursion Fee-\$2 (£1) per subject (biology, botany, zoology and entomology).

Late Fees

First Enrolments

Fees paid on the late enrolment session and be-

Re-Enrolments

First term

Failure to	attend	enrol	ment	centre	during	en-				
rolment	week						\$5	(£2	10	0)

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

Fees paid after the commencement of the 3rd	
week of term to 31st March	\$10 (£5)
Fees paid after 31st March where accepted	
with the express approval of the Registrar	\$20 (£10)
Second and Third terms	
Fees paid in 3rd and 4th weeks of term	\$10 (£5)
Fees paid thereafter	\$20 (£10)
Late lodgment of Application for Admission to	
Examinations (late applications will be ac-	
cepted for three weeks only after the pre-	** ***
scribed dates)	\$4 (£2)

Withdrawal from Course

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

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

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

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

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

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

- University of New South Wales Students' Union—where notice is given prior to the end of the fifth week of First Term \$2 (£1), thereafter no refund.
- University of New South Wales Sports Association where notice is given prior to 30th April a full refund is made, thereafter no refund.
- Miscellaneous—where notice is given prior to 30th April \$2 (£1), thereafter no refund.

PAYMENT OF FEES

Completion of Enrolment

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

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

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) from new students after the end of the second week of term (i.e., 18th March, 1966), and after 31st March, from students who are re-enrolling, except with the express approval of the Registrar, which will be given in exceptional circumstances only.

Payment of Fees by Term

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.

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

Assisted Students

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

Extension of Time

Any student who is unable to pay fees by the due date may apply in writing to the Registrar for an extension of time. Such application must give year or stage, whether full-time or part-time and the course in which the applicant wishes to enrol, state clearly and fully the reasons why payment cannot be made and the extension sought, and must be lodged before the date on which a late fee becomes payable. Normally the maximum extension of time for the payment of fees is until 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 notices 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.

GENERAL CONDUCT

Acceptance as a member of the University implies an undertaking on the part of the student to observe the regulations, by-laws and other requirements of the University, in accordance with the declaration signed at the time of enrolment.

In addition, students are expected to conduct themselves at all times in a seemly fashion. Smoking is not permitted during lectures, in examination rooms or in the University Library. Gambling is also forbidden.

ATTENDANCE AT CLASSES

Students are expected to be regular and punctual in attendance at all classes in the course or subject in which they are enrolled. All applications for exemption from attendance at lectures or practical classes must be made in writing to the Registrar.

In the case of illness or of absence for some other unavoidable cause a student may be excused by the Registrar from non-attendance at classes for a period of not more than one month, or on the recommendation of the Dean of the appropriate Faculty for any longer period.

Applications to the Registrar for exemption from re-attendance at classes, either for lectures or practical work, may only be granted on the recommendation of the Head of the appropriate School. The granting of an exemption from attendance does not carry with it exemption from payment of fees.

Application forms for exemption from lectures are available at the Admissions Office and should be lodged there (with a medical certificate where applicable). If term examinations have been missed this fact should be noted in the application.

Where a student has failed a subject at the annual examinations in any year and re-enrols in the same course in the following year, he must include in his programme of studies for that year the subject in which he has failed. This requirement will not be applicable if the subject is not offered the following year; is not a compulsory component of a particular course; or if there is some other cause, which is acceptable to the Professorial Board, for not immediately repeating the failed subject. Where a student has attended less than eighty per cent of the possible classes, he may be refused permission to sit for the examination in that subject.

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. Approval 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.

RESTRICTION 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). Where such subject is prescribed as a part of the student's course he shall be required to show cause why he should be allowed to continue the course. A student in the medical course shall show cause why he should be allowed to repeat 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 al-

lowed to continue a course which he will not be able to complete in the time set down in the following schedule:

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

(iii) No full-time student shall, without showing cause, be permitted to continue a course unless all subjects of the first year of his course are completed by the end of his second year of attendance. No student in the Faculty of Arts shall, without showing cause, be permitted to continue a course unless he completes four subjects, one of which must be from Group VII, by the end of his second year of attendance.*

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

- (iv) A student who has a record of failure in a course at another University shall be required to show cause why he should be admitted to this University. A student admitted to a course at this University following a record of failure at another University shall be required to show cause, notwithstanding any other provisions in these rules, why he should be permitted to continue in that course if he is unsuccessful in the annual examinations in his first year of attendance at this University.
 - (v) Any student excluded under any of the Clauses (i)-(iii) may apply for readmission after two academic years and such application shall be considered in the light of any evidence submitted by him.

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

- (vi) A student wishing "to show cause" under these provisions shall do so in writing to the Registrar. Any such application shall be considered by the Professorial Board, which shall determine whether the cause shown is adequate to justify his being permitted to continue his course or re-enrol, as the case may be.
- (vii) The Vice-Chancellor may on the recommendation of the Professorial Board exclude from attendance in a course or courses any student who has been excluded from attendance in any other course under the rules governing re-enrolment and whose record at the University demonstrates, in the opinion of the Board and the Vice-Chancellor, the student's lack of fitness to pursue the course nominated.
- (viii) A student who has failed, under the provisions of Clause (vi) of these rules, to show cause acceptable to the Professorial Board why he should be permitted to continue in his course, and who has subsequently been permitted to re-enrol in that course or to transfer to another course, shall also be required to show cause, notwithstanding any other provisions in these rules, why he should be permitted to continue in that course if he is unsuccessful in the annual examinations immediately following the first year of resumption or transfer of enrolment as the case may be.
 - (ix) A student may appeal to an Appeals Committee constituted by Council for this purpose against his exclusion by the Professorial Board from any subject or course.

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.

It should be noted that a person under exclusion may not be enrolled in miscellaneous subjects unless he has received the approval of the Professorial Board.

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.

LIBRARY SERVICES

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

All students may use the library for reference use without any formality. Reserve and ready reference books must be used in the library but most others are available for loan. Students who hold a University Union card may use this to borrow books from the Library. Those who are not members of the Union, i.e. miscellaneous students, may arrange to have a card issued to them. The usual library hours are:

In	term	Monday	to 1	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 Notic	e B	oards.			-		

THE UNIVERSITY UNION

Warden—A. T. Cuningham, B.Ec.(Syd.)

The University Union, a building of striking vircular 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."
The Arts Faculty Society

During the past year the Arts Faculty Society, owing to the zeal of the committee members and the enthuiastic support of the majority of Arts students, reached a new high in its level of activity.

At present the aim of the society is to complement the students' academic life by providing many social functions throughout the year. In 1965 the Society ran a number of cocktail parties and also the annual Arts Ball which was probably the best ball of the year. As well as this, the Society encourages and supports the Arts teams in inter-faculty Rugby, basketball and judo. It also arranges two annual cricket matches, one being against the Arts staff and the other against the Commerce Faculty.

Membership of the Society is a must for all new students, and application forms are available during Orientation Week. Any further details may be obtained from the President, Michael Fogarty, Students' Union Office, 663-3109. Home, 39-4808, or Secretary, Rosa Luciano at 92-2218.

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.

Historical Society

The Historical Society is a society formed and run by students in co-operation with the School of History. With a programme of public addresses, symposia and films it aims to make History interesting to a wide number. The Society is open to all students and members of staff.

For further information, contact the Secretary, Miss Cathie Hall, C/- School of History.

The Politics Club

This Club was formed by students in the School of Political Science and is open to all students and other interested parties within the University.

During this year it is hoped that three or four informal dinners

will be held. Regular weekly meetings are held and discussion groups on special themes and topics are planned.

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: David Wheen, Arts IV, 663-1651, C/- Basser College, Kensington.

Socratic Society

The Society is an independent, non-political, non-religious and non-profitmaking organisation. Its aim is to foster thought and promote discussion on interesting, controversial and intellectually stimulating topics. To achieve this aim, the Society holds regular public meetings, talks, discussion groups and symposia to which speakers of special interest have been invited. Attendance at meetings is voluntary, and membership entails no obligations. Members, however, have the unique opportunity of attending private discussion groups and meetings which are attended by a diversified group. Members of the Society include philosophy lecturers, University chaplains and students from all faculties. In the past a wide range of subjects has been discussed. These have varied from "Euthanasia", by Mr. Sparks, to the "White Australia Policy", by an ex-Premier of New South Wales. Other topics covered have ranged from discussion groups on Robinson's "Honest to God" to "Why I am a Marxist" by the owner of a downtown bookstore.

Further enquiries concerning meetings, proposed topics and membership may be made by contacting Dr. R. E. Dowling of the School of Philosophy, Greg Lenthen, 32-5312 or Graeme Staines, 95-4030.

The Julian Society

The Julian Society is the literary society of The University of New South Wales, and it is devoted to the study and discussion of literature—with particular emphasis on poetry. Membership is open to all students and staff of the University.

During term meetings are held fortnightly, and usually a paper is presented by a student or member of staff, and followed by an informal discussion. Occasionally at a formal meeting a guest speaker delivers a lecture on a topic of general literary interest.

Further information may be obtained from the Secretary, Pamela Nase, c/o School of English or phone 90-8427.

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 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) Tcn 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 cir-

cumstances Faculty may allow a student to take two courses from Group VII which are not consecutive. 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 permission of the Faculty a course in Drama can be taken only if English or French or German or Spanish is studied concurrently at the same level, or if a course in one of these subjects at the same level as the course being taken in Drama has already been passed.
- 5. Grouping of courses available in the general degree:----

Group	I:	English and Drama	English (three courses) Drama (three courses)
Group	II:	Modern Languages	French (three courses) German (three courses) Spanish (three courses) Italian (three courses)
Group	111:	History and Political Science	History (three courses) Political Science (three courses) Australian Studies (one course only, available to students who have success- fully 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)

^{*} Candidates who complete Geology I and wish to count that course towards the degree of Bachelor of Arts may not also count, for that purpose, the course in History and Philosophy of Science II. Candidates who take History and Philosophy of Science I and Geology I must also take Geology II in order to secure a sequence of two Natural Science subjects.

**Not available in 1966.

Mathematics and Statistics	Mathematics (three courses)*
	Statistics (three courses of which the first is Mathe- matics I)
Natural Sciences	 History and Philosophy of Science (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)
	Mathematics and Statistics Natural Sciences

Honours Degree Requirements

- 6. Candidates for the honours degree of Bachelor of Arts in General Studies shall be required to attend qualifying courses in the Faculty for not fewer than four years and must complete their courses within five years; or in such special cases as may be decided by Faculty in six years; except that Faculty may determine by resolution as a measure of equity that this condition shall be relaxed.
- 7. In order to qualify for admission to the Honours 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. Candidates so admitted shall, in the Honours year, attend and complete with Credit or better *two* further qualifying courses, *each* such course to be course III of a subject in which courses I and II have already been completed. 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 honours

^{*} Students with a Pass in General Mathematics at Matriculation are very strongly advised against enrolling in Mathematics I.

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 to a candidate shall be based upon a consideration of the full record of his studies for the degree. 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

- Candidates may present themselves in any one of the following subjects: (i) English; (ii) History; (iii) Philosophy; (iv) History and Philosophy of Science; (v) Psychology; (vi) Sociology; (vii) Economics; (viii) Mathematics or Statistics; (ix) Drama; (x) Political Science; (xi) French; (xii) German; (xiii) Spanish.
- 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 and Departments 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 concurcurrently the pass course in English or French or German or Spanish at the same stage as their Drama course in their first and second years, or to have already passed a course in one of these subjects at the same level as the course being taken in Drama. Candidates in Drama in the third year shall take Drama IIIA (Pass and Distinction) and Drama IIIB (Distinction only), together with English IIIA (Pass) or an equivalent third year course in a modern language. Drama IIIB (Distinction) shall be so designed as to ensure that Drama IIIB (Distinction) and English IIIA (Pass) (or an equivalent modern language course) 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 History and Philosophy of Science as one of their special studies shall be required to take consecutive courses in either History and Philosophy of Science 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) A graduate or undergraduate of another Faculty of this University may be admitted with advanced standing in the Faculty of Arts, with credit for not more than four qualifying Arts courses already completed in the other Faculty of this University.
 - (b) A graduate or undergraduate of another university may be admitted with advanced standing in the Faculty of

4.1

Arts, with credit for not more than four qualifying Arts courses already completed at another university, not including a Course III.

- (c) Under special circumstances credit towards an Arts degree as provided in Clause 25(b) above 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.

Grouv	I	Hours per week for 3 terms
50.111	English I	. 3
50.112	English U	. 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	. 3
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	. 4
Groun	T	
56 111	French I	5
56 112	French II	. 5
56 122	French II (Distinction)	. 7
56 113	French IIIA	. 6
56 123	French IIIA (Distinction)	. 7
56.133	French IIIB (Distinction)	. 4
56.201	German IZ	. 6
56.211	German I	. 5
56.202	German IIZ	. 6
56.203	German IIZ (Distinction)	6
56.212	German II	. 5
56.222	German II (Distinction)	. 6
56.301	Spanish IZ	. 6
56.311	Spanish I	. 5
56.312	Spanish II	. 5
	Preliminary Italian This subject may be taken	by arrangement
	Italian I {with the Department of	Italian at the
	Italian II JUniversity of Sydney.	

Hours per week for 3 terms Group III 51.111 History I 3 51.112 History II 3 51.122 History II (Distinction) 41 51.113 History III 3 51.123 History IIIA (Distinction) 41 51.133 History IIIB (Distinction) 41 51.114 History IV (Distinction) 6 51.211 Australian Studies (one course only) 3 3 54.111 Political Science I 3 54.112 Political Science II 5 54.122 Political Science II (Distinction) 3 54.113 Political Science IIIA 5 54.123 Political Science IIIA (Distinction) 3 54.133 Political Science IIIB 5 54.143 Political Science IIIB (Distinction) 5 54.114 Political Science IV (Honours)

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 Economcis 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	4
53.112 Sociology II	4
53.122 Sociology II (Distinction)	6
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
· · · · · · · · · · · · · · · · · ·	

^{*} This course consists of any two subjects chosen from the subjects 15.211, 15.221, 15.231, 15.241, 15.251, 15.261, 15.271, 15.281, 15.291, 15.301, 15.711 and 15.712 (all 2 hours per week) and 15.431 (3 hours per week). It should be noted, however, that not all these subjects are available every year, and the School of Economics should be consulted for details.

Hours per week for 3 Terms

Group V

52.111	Philosophy	1	3
52.112	Philosophy	Н	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	Mothematics I	6
10.001	Dura Mathematica II	5
10.111	Pure Mainematics II	6
10.121	Pure Mathematics II (Higher)	0
10.112	Pure Mathematics III	5
10.122	Pure Mathematics III (Higher)	7
10.123	Pure Mathematics IV (Honours)	8
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
10.311	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)	8

Group VII

1.001	Physics I		6
1.112	Physics II		7
2.001	Chemistry I		6
2.002	Chemistry II		9
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	History and Philosophy of Science I		4
52.152	History and Phiosophy of Science II		4
52.162	History and Philosophy of Science II (Distinction)		5
52.153	History and Philosophy of Science III		4
52.163	History and Philosophy of Science IIIA (Distinction)		6
52.173	History and Philosophy of Science IIIB (Distinction)		6
52.154	History and Philosophy of Science IV (Honours)	as	arranged

Attendance at Lectures and Tutorials

Undergraduates reading for the Degree of Bachelor of Arts must attend the prescribed lectures and tutorials in each subject of their course. Applications for exemption from attendance or for leave of absence should be made to the Registrar on forms obtained from and lodged at the Admissions Office.

Since there are maximum time limits on certain courses it is imperative that students absent for extended periods should secure formal leave.

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 not later than the end of the first year of full-time study.

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 Drama	School of English Department of Drama
II	French German Spanish Italian	School of Western European Languages Department of Italian, University of Sydney
111	History Australian Studies Political Science	School of History School of Political Science
IV	Economics Psychology Sociology	School of Economics School of Applied Psychology School of Sociology
V	Philosophy	. Department of Philosophy,
VI	Mathematics Statistics	School of Mathematics
VII	History and Philosophy of Science Physics Chemistry General Biology Botany Zoology Geology	 Department of History and Philosophy of Science School of Physics School of Chemistry School of Biological Sciences 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

English is not a compulsory subject within the Faculty of Arts: the courses are intended for students who have both a genuine interest in the subject and some special ability in it, and should therefore not normally be undertaken by those who have neither an A in English in the Leaving Certificate nor an A in a related subject. The Language work in English I may present additional difficulty to students who have not studied a foreign language at school.

Students who wish to take a Special (Honours) degree in English are advised to include in their programme courses in a foreign language or Philosophy, in addition to the two courses in the History and Philosophy of Science.

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 and structure of English.
 - iii) A text of Chaucer.

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.

TEXTS

A) LANGUAGE

(i) Ward. The Phonetics of English. Heffer.

- (ii) Alexander, H. The Story of Our Language. Dolphin Books.
- (iii) Chaucer. The Nun's Priest's Tale. ed. Sisam. O.U.P.

B) LITERATURE

1) The Novel Fielding. Joseph Andrews. -Austen, Jane. Emma. Twain. Huckleberry Finn. Thackeray. Henry Esmond. Conrad. Lord Jim. Furphy. Such is Life. Woolf, Virginia. To the Lighthouse. (each of these in any unabbreviated edition).

2) Drama

--Everyman. ed. A. C. Cawley. Manchester U.P. Marlowe. Tamburlaine. (any edition, e.g. World's Classics, O.U.P.) Shakespeare. Richard III As You Like It Othello Jonson. Volpone Sheridan. The School for Scandal [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.

3) Poetry

Untermeyer, (ed.). The Albatross Book of Verse. Collins, revised 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) together with further study of Shakespeare's History Plays. The following authors will be included in the course:

PROSE FICTION

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

POETRY

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

DRAMA

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

RECOMMENDED READING

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, A Portrait of the Artist as a Young Man, Ulysses.

Hemingway. The Sun Also Rises (Fiesta), A Farewell to Arms, For Whom the Bell Tolls, The Old Man and the Sea; The First 49 Stories.

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

White. Voss.

POETRY

- Hopkins. The Poetry of Gerard Manley Hopkins. ed. W. H. Gardner. Penguin.
- Yeats. Collected Poems. Macmillan.
- Eliot. Collected Poems. Faber.
- Auden. W. H. Auden: a Selection by the Author. Penguin.
- Frost. Selected Poems. Penguin.
- Stewart, Douglas (ed.). Voyager Poems. Jacaranda Press.

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.

SHAKESPEARE

King John; Richard II; Henry IV (both parts); Henry V (these in any good complete edition, e.g. ed. Alexander [Collins] or ed. Sisson [Odhams] or in separate volumes of e.g. the new Arden edition, the Players' Shakespeare or the Signet Classics).

50.122 English II (Distinction)

Outline of Course

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

- i. 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, Ralegh, Shakespeare, and Campion; selected prose by Lodge, Nashe and Deloney, with selected translations and Voyages.

TEXTS

1) LANGUAGE

- Sweet, H. Anglo-Saxon Primer. O.U.P.
- Chaucer, G. *The Works of Geoffrey Chaucer*, ed. F. N. Robinson. Second edition, Houghton Mifflin.

Potter, S. Modern Linguistics. Deutsch.

2) LITERATURE

Bullett, G. (ed.). Silver Poets of the Sixteenth Century, Everyman. 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's Tragedies. 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 Standard Authors, where available, or for Pope, *The Poems*, ed. Butt ("Twickenham" one-volume edition, Methuen); for Coleridge, *Selected Poetry and Prose*, ed. Stauffer (Modern Library College edition); for Keats, *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 1966 to Honours students only. A course of 90 lectures on other chosen writers of the eighteenth and nineteenth centurics, 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 Brontes; Poe, Landor, Arnold; Whitman, Emily Dickinson; 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; for Whitman, *Leaves of Grass and Selected Prose*, ed. Bradley (Rinehart); for Emily Dickinson, *Selected Poems and Letters*, ed. Linscott (Anchor).

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 materials and methods of literary scholarship.

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

1) DRAMA

Jonson, Dekker, Chapman, Marston, Tourneur, Webster, Middleton, Beaumont and Fletcher; Shakespeare ("Romances" and *Henry VIII*); Massinger, Ford, Shirley; Dryden, Otway, Etherege, Sedley, Wycherley, Congreve.

2) POETRY

Jonson, Donne, Herbert, Vaughan, Crashaw, Traherne; Herrick and the Cavaliers; Milton; Marvell; Waller, Cowley; Butler; Rochester, Sedley, Dorset.

3) PROSE

Dekker, 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 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

The course of 120 lectures with additional tutorials is designed to serve both as a general introduction to all other drama courses, and as a study of world drama for students who do not plan to take further courses in the Department. Ninety lectures are devoted to a survey of theatre history from Aeschylus and Sophocles to the dramatists of the twentieth century. There are thirty additional laboratory classes on theatre techniques, such as lighting, staging and production.

TEXT BOOKS

Brockett, Oscar, G. The Theatre: An Introduction. Holt. Rinehart & Winston. Aeschvlus. Agamemnon. Sophocles. Oedipus the King. Euripides. Hippolytus. Aristophanes. The Clouds. Plautus. The Menaechmi. The Second Shepherd's Play. Selected Japanese No plays. Marlowe, Doctor Faustus, Shakespeare, King Lear. Shakespeare. Twelfth Night. Moliere. The Miser. Racine. Phaedra. Gay, The Beggars' Opera. Ibsen. The Wild Duck. Ibsen. Pillars of the Community. Chekov, Uncle Vanva. Brecht. The Good Woman of Setzuan. Brecht. The Threepenny Opera. O'Neill, The Hairy Ape. O'Neill, Mourning Becomes Electra. Ionesco. The Chairs. Scripts of the No plays will be supplied. King Lear, Twelfth Night, The

Scripts of the No plays will be supplied. King Lear, Twelfth Night, The Hairy Ape and Mourning Becomes Electra may be read in any convenient edition. The remaining plays mentioned above may be found in the following collections, from which other plays will also be prescribed:

- Grene and Lattimore (eds.). Greek Tragedies. Vol I. Phoenix: University of Chicago Press.
- Arnott (ed.). Aristophanes and Plautus: The Birds and the Brothers Menaechmus. Appleton Century Croft.
- Heilman (ed.). An Anthology of English Drama before Shakespeare. Rinehart.
- Barnet, Berman and Burto (eds.). Eight Great Comedies. Mentor: New American Library.

Racine. Phaedra and Other Plays. Penguin.

Ibsen. Hedda Gabler and Other Plays. Penguin.

Brecht. Parables for the Theatre. Evergreen Grover Press.

Three German Plays. Penguin.

Ionesco. Rhinoceros, The Chairs, The Lesson. Penguin.

57.212 Drama II

The course of 90 lectures and tutorials contains a detailed examination of theatre history from the period of Classical Greece to that of Elizabethan England. Attention is paid to the philosophical basis of dramatic conflict as well as to theatrical practice. The latter is studied closely with pictorial sources.

TEXT BOOKS

Selected plays from the following:

- Lattimore, R. and others (cds.). *Greek Tragedy*, Vols. 1-3 (incl.). University of Chicago Paperback.
- Sophocles/Euripides. Two Satyr Plays. Penguin Classics.
- Aristophanes (tr. Barrett, D.). Frogs and Other Plays. Penguin Classics.
- Harsh, P. W. (ed.). An Anthology of Roman Drama. Rinehart Edition Paperback.
- Bentley (ed.). The Classic Theatre. Vol. III. Anchor.
- Adams, J. Q. (ed.). Chief Pre-Shakespearean Plays. Harrap.
- The Plays of William Shakespeare.
- Dunn, E. C. (ed.). Eight Famous Elizabethan Plays. Modern Library College Edition.
- **REFERENCE BOOKS**
- Pickard-Cambridge, A. W. Dithyramb, Tragedy and Comedy. 2nd ed. by Webster, T.

Bieber, M., History of the Greek and Roman Theatre. 2nd ed.

- Kitto, H. D. F. Greek Tragedy.
- Kitto, H. D. F. Form and Meaning in Drama.
- Webster, T. B. L., Greek Theatre Production.
- Webster, T. B. L. Art and Literature in the 4th Century.
- Rose, H. J. Handbook of Greek Literature.
- Rose, H. J. Handbook of Roman Literature.
- Bowra, C. M. Sophoclean Tragedy.
- Murray, G. Aeschylus
- Duckworth, G. The Nature of Roman Comedy.
- Harsh, P. W. Handbook of Greek and Roman Drama,
- Nicoll, A. Development of the Theatre.
- Laver, J. Drama, its Costume and Decor.

Wickham, G. Early English Stages. Farnham, W. Mediaeval Heritage of Elizabethan Drama. Chambers, E. K. The Elizabethan Stage. Beckerman, B. Shakespeare at the Globe.

57.222 Drama II (Distinction)

The course of sixty lectures is concerned with the theory of comedy 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
Cornford, F. M. The Origin of Attic Comedy. Doubleday Anchor.
Meredith, G. An Essay on Comedy. Doubleday Anchor.
Bergson, H. Laughter. Doubleday Anchor.
Lauter, P. (ed.). Theories of Comedy. Doubleday Anchor.
and certain plays by the following authors:
Aristophanes, Terence, Plautus, Goldoni, Moliere, Congreve, Farquhar, Beaumarchais, Pinero, Gogol, Chekov, Berhman and Coward.
REFERENCE BOOKS

Clark, B. (ed.). European Theories of the Drama. Crown. Nicoll, A. An Introduction to Dramatic Theory. Harrap.

57.213 Drama III

The course of 90 lectures follows the pattern of 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 French drama of the seventeenth century, the English Restoration drama, the Commedia dell'Arte and the Italian theatre, the German drama of Goethe, Schiller and Kleist, the realist drama of Ibsen and Chekov and twentieth century developments of dramatic form.

TEXT BOOKS

Bentley (ed.). The Classic Theatre. Vols. I and IV. Doubleday Anchor.
Gosse (ed.). Restoration Plays. Everyman.
Lustig (tr.). Classical German Drama. Bantam.
Ibsen. Hedda Gabler and Other Plays. Penguin.
Ibsen. Ghosts and Other Plays. Penguin.
Chekov. Plays. Penguin.
Strindberg (tr. Sprigge). Six Plays, Doubleday Anchor.
Sokel, W. (ed.). Anthology of German Expressionist Drama. Doubleday

Brecht. Selected plays to be prescribed. Pirandello. Right You Are, If You Think You Are and Other Plays. Penguin. Shaw. St. Joan. Penguin. Shaw, Man and Superman. Penguin. Lorca, Three Tragedies, Penguin, Ionesco. Complete Plays. Vols. I and II. Calderback, Penguin Plays, Vol. I. Penguin, REFERENCE BOOKS Nicoll, A. The Development of the Theatre. Harrap. Nicoll, A. Stuart Masques and the Renaissance Stage, Harran, Southern, R. Changeable Scenery. Faber and Faber. Lea, K. M. Italian Popular Comedy, Oxford. Lancaster, H. C. A History of French Dramatic Literature, Johns Hopkins, Rose, E. A. History of German Literature. University Press, New York, Esslin, Martin. Theatre of the Absurd. Eyre & Spottiswoode. Gartin, H. F. Modern German Drama. Methuen.

Williams, R. Drama from Ibsen to Eliot. Peregrine Penguin Books.

Bentley, E. The Playwright as a Thinker. Meridian.

Slonim, M. Russian Theatre Methuen.

Cole, T. (ed.) Actors on Acting. Crown.

Fergusson, F. The Idea of a Theatre. Anchor.

57.223 Drama IIIA (Distinction)

The course of thirty lectures 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. The second part is concerned with Shakespearean and modern forms of tragedy.

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, Anne. Shakespeare Criticism 1919-1935. World Classics 436.
- Paolucci, Anne and H. (eds.) Hegel on Tragedy. Doubleday Anchor.
- Pickard-Cambridge, A. W. Dithyramb, Tragedy and Comedy. 2nd ed. by Webster, T.

Steiner, G. The Death of Tragedy. Faber.

and certain plays drawn principally from the works of Aeschylus, Sophocles, Euripides, Seneca, Shakespeare.

REFERENCE BOOKS

Bradley, A. C. Shakespearean Tragedy. Meridian Books. Nietzsche, F. The Birth of Tragedy. Doubleday Anchor. Brooks, C. (ed.) Tragic Themes in Western Literature. Yale. Sewell, R. B. The Vision of Tragedy.

Kitto, H. D. F. Greek Tragedy. Doubleday Anchor.

Kitto, H. D. F. Form and Meaning in Drama. University Paperback.

Lucas, F. L. Tragedy. Collier Books.

57.233 Drama IIIB (Distinction)

The course of thirty lectures is concerned with the theory and technique of playwriting. The craft is studied for purposes of analysis and evaluation, but instruction in its practice is not offered.

TEXT BOOKS

Baker, G. P. Dramatic Technique. Houghton-Mifflin.
Archer, W. Playmaking. A Manual of Craftsmanship. Dover.
Lawson, J. H. Theory and Techniques of Playwriting. Putnam.
Mathews, B. Principles of Play-making Scribners.
Cole, T. (ed.) Playwrights on Playwriting. Hill and Wang.
Barker, G. On Dramatic Method. Sidgwick and Jackson.
Bentley, E. The Playwright as Thinker. Meridian.
Fergusson, F. The Idea of a Theatre. Anchor.
Kerr, W. How Not to Write a Play. Reinhardt.
Clark, B. (ed.) European Theories of the Drama. Crown.
(with special reference to the works of Aristotle, Dryden, Lessing and Brunetiere)

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 work under guidance on special problems in theatrical and dramatic history. Textual criticism, bibliographical methods, and research on original documents are the main concerns of this course. The students are required to write a thesis and are encouraged to undertake a theme concerned with Australian theatre history.

WESTERN EUROPEAN LANGUAGES

Courses in the School of Western European Languages have been designed with two aims in view: to provide a broadly based introduction to European culture, and to meet the growing demand throughout Australia for graduates with a specialised knowledge of foreign languages and the civilisations of which they are a part. The fields in which this demand is greatest are diplomacy, the branches of government concerned with foreign policy, trade and immigration, and the export sectors of industry. Skilled linguists are also in extremely short supply as teachers in secondary schools and in universities, where there are increasing numbers of openings for honours graduates in both lecturing and research.

FRENCH

Courses offered by the Department will cover language, literature and culture.

The cultural component of the syllabus is designed to encourage students to look at French civilisation as a whole. They will study the broad outlines of the political and social history of France from the Middle Ages to the present day, following the development of her institutions and traditions. As an integral part of this perspective, they will also study, alongside the great works of French literature, outstanding achievements in other fields, notably painting, architecture and music. The Department is making 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 and psychology. 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. At the same time, important literary works will be studied in depth, with a view to investigating purely aesthetic problems and the workings of the creative imagination.

A feature of the syllabus will be a compulsory course for third 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.

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 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 the language laboratory. 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.

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 150 hours of lectures, tutorials and language laboratory practice.

(a) Language

In the first term five hours per week will be devoted to an intensive course consisting of tutorials and language laboratory sessions, designed to develop students' proficiency in understanding, speaking, writing and reading modern French. The course will attempt to give students a feeling for the basic grammatical and syntactical patterns of French and for the sound of the spoken language. In the second and third terms the number of hours will be reduced to two per week. Throughout the year students will be required to submit regular written exercises and compositions in French.

TEXT BOOKS

Harrap's Standard French and English Dictionary (2 vols.). Otherwise Harrap's Shorter French and English Dictionary. Mansion, J. E. A Grammar of Present-Day French with Exercises. Harrap.

REFERENCE BOOKS (Recommended for purchase if possible)

Petit Larousse "Dictionnaire Encyclopedique pour tous", Larousse, 1963 Edition.

Grevisse, M. Le Bon Usage. Librairie P. Geuthner.

(b) An Introduction to French Literature Five representative writers from the seventeenth century to the present day will be studied in detail, with the aim of introducing students to some of the characteristic themes and styles in French literature.

TEXT BOOKS La Fontaine. Fables. Classiques Garnier. La Fayette, Mme de. Romans et Nouvelles. Classiques Garnier. Voltaire. Romans et Contes. Classiques Garnier. Laclos. Les Liaisons dangereuses. Classiques Garnier. Camus. L'Etranger. Gallimard. Camus. La Peste. Gallimard.

(c) An Outline of the Social and Cultural History of France This course will consist of a series of illustrated lectures in French, and will be concerned particularly with the ways in which the history of France has been reflected in the changing face of Paris.

TEXT BOOK Romier, L. A History of France. Macmillan, Paperback Edition.

REFERENCE BOOKS Sedillot, R. Survol de l'histoire de France. Fayard. Maurois, A. An Illustrated History of France. The Bodley Head. London. Bainville, J. Historie de France. Fayard. Sedillot, R. Paris. Fayard. Wilhelm, J. Paris au cours des siècles. Hachette.

56.112 French II

A course of 150 hours of lectures, tutorials and language laboratory practice.

(a) Language

This part of the course will continue to develop students' oralaural skills through language laboratory practice (including more advanced comprehension work) and guided conversation in small tutorial groups. Students will be required to write weekly exercises in French on prescribed topics. Questions of modern linguistic usage will be discussed through the analysis of specific texts, which will also be considered from a stylistic point of view.

TEXT AND REFERENCE BOOKS As for French I.

(b) The Literature, Thought and Civilisation of the Eighteenth and Nineteenth Centuries

Subjects for study will include philosophical, political and

religious thought in eighteenth century France, the birth of the romantic movement in literature and the arts, and the flowering of the psychological novel.

TEXT BOOKS

Lagarde, A. et Michard, L. XVIII^e siècle. Collection "Textes et Littérature", Bordas.

Lagarde, A. et Michard, L. XIX^e siècle. Collection "Textes et Littérature", Bordas.

REFERENCE BOOK

Lough, J. An Introduction to Eighteenth Century France. Longmans.

Authors for Special Study

The following writers will be discussed in detail: Racine, Diderot, Rousseau, Hugo, Stendhal and Flaubert. A special study will also be made of the tragedies of Racine.

TEXT BOOKS

Diderot. Le Neveu de Rameau. Cailler, Geneva or alternatively Droz, Geneva.

Diderot. Oeuvres philosophiques. Classiques. Garnier. Rousseau. Confessions. (3 vols.). Classiques Garnier. Hugo. Les Contemplations. Classiques Garnier. Stendhal. Le Rouge et le Noir. Classiques Garnier. Stendahl. La Chartreuse de Parme. Classiques Garnier. Flaubert. Madame Bovary. Classiques Garnier. Flaubert. L'Education sentimentale. Classiques Garnier. Racine. Théâtre complet. Classiques Garnier.

REFERENCE BOOKS

Rousseau. Le Contrat social. Classiques Garnier. Rousseau. Les Rêveries du promeneur solitaire. Classiques Garnier. Montesquieu. De l'esprit des lois. Classiques Garnier.

(c) Painting and Sculpture in France from the Middle Ages to the Nineteenth Century

A course of illustrated lectures in French designed to familiarise students with some of the great works of French art and to relate these works to the aesthetic standards of their age.

REFERENCE BOOKS

Du Colombier, P. Histoire de l'Art. Paris. 1946.

Evans, J. Art in Medieval France. Oxford University Press.

Blunt, A. Art and Architecture in France, 1500 to 1700. Penguin Books. Huyghe, R. La Peinture française des XVII^e et XVIII^e siècles. Flammarion. Martin, H. La Grammaire des styles (Vols. I, III, V, VI, VII, VIII, IX X) ("Collection de Précis d'Histoire de l'Art", Flammarion).

56.122 French II (Distinction)

This course will consist of an intensive study of two special subjects:

(a) Man and society in the novels of Balzac.

(b) The theme of the voyage in French literature.

Students will participate in seminars on these subjects, and will be asked to present papers for class discussion.

TEXT BOOKS

Balzac. Eugénie Grandet. Classiques Garnier.

Balzac. Le Père Goriot. Classiques Garnier.

Balzac. Le Lys dans la vallée. Classiques Garnier.

Balzac. Illusions perdues. Classiques Garnier.

Cyrano de Bergerac. Voyage dans la lune et Histoire comique des Etats et Empires du soleil. "Collection 10/18", Union Générale d'Editions.
Nerval. Voyage en Orient. 2 vols. Collection "Littérature", Julliard.
Beckett. Molloy. "Collection 10/18", Union Générale d'Editions.

REFERENCE BOOK

Claudel. Le Livre de Christophe Colomb. Gallimard.

56.113 French IIIA

A course of 180 hours of lectures, tutorials and language laboratory practice.

(a) Language (60 hours)

This part of the course will include advanced exercises in aural comprehension and in written and oral expression, together with an introduction to the theory and practice of translation. Students will be required to write regular essays in French on prescribed topics.

TEXT AND REFERENCE BOOKS As for French I and II.

(b) The Literature and Thought of the Twentieth Century (60 hours)

Subjects for study will include the questioning of traditional moral values in modern French literature, the philosophy of existentialism, literature of social protest, and experiments in poetry and the theatre. The following writers will be studied in detail: Gide, Giraudoux, Alain, Sartre, Claudel, Apollinaire and Beckett.

Gide. Les Nourritures terrestres. Gallimard.

Gide. L'Immoraliste. Mercure de France.

TEXT BOOKS

Lagarde, A. et Michard, L. XX^e siècle. Collection "Textes et Littérature", Bordas.

Gide. La Porte étroite. Mercure de France. Gide. Les Faux-Monnayeurs. "Livre de Poche". Gallimard. Giraudoux. La Guerre de Troie n'aura pas lieu. Grasset. Alain. Mars, ou la Guerre jugée. Gallimard. Sartre. La Nausée. "Livre de Poche". Gallimard. Sartre. Théâtre. Vols. 1 and 2. Gallimard. Claudel. Tête d'or. Mercure de France. Claudel. L'Annonce faite à Marie. Version pour la scène. Gallimard. Claudel. Le Soulier de satin. Version abrégée pour la scène. Gallimard. Claudel. L'Otage. Gallimard. Claudel. Partage de midi. Nouvelle version pour la scène, Gallimard. Apollinaire. Alcools. Gallimard. Beckett. En attendant Godot. Editions de Minuit. Beckett. Fin de partie. Editions de Minuit.

REFERENCE BOOK

Malraux. La Condition humaine. Gallimard.

(c) The Political and Economic Life of France since 1870 (30 hours)

A course of lectures on the political and economic forces which have shaped modern France, with particular stress on the history of French republicanism, the origins of governmental instability, the colonial wars, the rise of de Gaulle, present French foreign policy, the recent economic and industrial revival of France, and her role in the Common Market.

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Thomson, D. Democracy in France. Oxford University Press, 4th edition.

REFERENCE BOOKS

Robinson, J. and Martin, A. France Today. Ian Novak, Sydney. Aron, R. France, Steadfast and Changing. Harvard University Press. Schoenbrun, D. As France Goes. Harper, New York. Jeanneney, J. M. Forces et faiblesses de l'économie française. Colin. Mitterand, F. Le Coup d'état permanent. Plon. Mauriac, F. De Gaulle. Grasset. Servan-Schreiber, J. J. Lieutenant in Algeria. Knopf, New York.

(d) Special Options (30 hours) Students will select one of the following options:

(i) Man and Society in the Novels of Balzac.

TEXT BOOKS

Balzac. Eugénie Grandet. Classiques Garnier. Balzac. Le Père Goriot. Classiques Garnier. Balzac. Le Lys dans la vallée. Classiques Garnier. Balzac. Illusions perdues. Classiques Garnier.

(ii) The Theme of the Voyage in French Literature

TEXT BOOKS

Cyrano de Bergerac. Voyage dans la lune ci Histoire comique des Etats et Empires du soleil. "Collection 10/18", Union Générale d'Editions.

Nerval. Voyage en Orient. 2 vols. Collection "Littérature, Julliard. For pass students only.

Claudel. Le Livre de Christophe Colomb. Gallimard. For distinction students only.

Beckett. Molloy, "Collection 10/18", Union Générale d'Editions.

(iii) Writers of the French Renaissance, with Special Reference to Rabelais and the Pleiade Poets,

TEXT BOOKS

Rabelais, Pantagruel. "Bibliothèque de Cluny", Colin. Boase, A. M. The Poetry of France, Vol. 1: 1400-1600. Methuen.

REFERENCE BOOK

Schmidt, A.-M. (ed.). Poètes du XVI^e siècle. "Bibliothéque de la Pléiade", Gallimard.

(iv) Modern Art in Paris Since the Impressionists

REFERENCE BOOKS

Dorival, B. The School of Paris in the Musée d'Art Moderne. Thames and Hudson.

Raynal, M. Peinture moderne, période 1884-1953. Skira.

Brion, M. La Peinture moderne des impressionnistes aux abstraits. Paris.

56.123 French IIIA (Distinction)

This course will consist of an intensive study of aspects of the Pass course. Students should consult the Head of School for further prescribed reading.

56.133 French IIIB (Distinction)

This course will be made up of two parts:

(a) A further one of the options listed under 56.113 French IIIA, together with additional reading to be prescribed.

(b) A course of lectures and seminars on French literature from Villon to the end of the sixteenth century. Subjects for special study include the influence of the Renaissance on French thought, the writings of Montaigne and Rabelais, and the Pleiade and "baroque" poets. TEXT BOOKS Montaigne. Essais. 3 vols. Classiques Garnier. Rabelais. Pantagruel. "Bibliothèque de Cluny", Colin. Boase, A. M. The Poetry of France, Vol. 1: 1400-1600. Methuen.

REFERENCE BOOKS

Schmidt, A.-M. (ed.). Poètes du XVIe siècle. "Bibliothèque de la Pléiade", Gallimard.

GERMAN

Courses offered by the Department cover the language, literature and culture of Germany, Austria and Switzerland.

The linguistic part of the syllabus is designed to give a solid foundation of grammar, syntax, and vocabulary and lays particular stress on proficiency in comprehension (listening asd reading) and speech (pronunciation and conversation). To this end extensive use is made at all levels of oral practice in the language laboratory, both for grammar drill and for listening to performances of plays, prose- and poetry-readings.

German literature is studied by means of representative texts, mainly from the late 18th, 19th and 20th centuries, beginning with the Nevelle and continuing with Drama, Poetry, and the Novel.

Parallel developments in the visual arts and in music will also be discussed. Stress will be laid on cultural developments in present-day Germany, supplemented by a survey of the intellectual contribution Germany has made in the last two centuries, particularly in philosophy and political thought.

56.201 German IZ

180 hours of lectures, tutorials and language laboratory practice.

This course is designed for students who have little or no knowledge of the language but who have reached matriculation standard in a language other than English, unless the Head of the Department rules otherwise in special cases. Students having studied German up to the Leaving Certificate, Higher School Certificate, or matriculation levels may not be admitted to this course.

The course is intended to provide students with a sound basis of spoken and written German and to introduce them to German literature and culture. Students wishing to proceed to German IIZ are required to complete a programme of prescribed reading in the long vacation prior to enrolment. In the First and Second Terms, language work predominates; in the Third Term an introduction to German culture, and reading of prescribed literary texts, are added. Throughout the year, students are required to submit translations and other written exercises.

TEXT BOOKS

(a) Language
Schoffler-Weis. German-English, English-German Dictionary. Harrap.
Russon, L. J. A Complete Course for First Examinations. Longmans.
Schulz-Griesbach. Deutsche Sprachlehre für Auslander. Hueber, Munich.
Wanstall, H. J. B. Graded Tests in German Composition and Grammar. Harrap.
(b) Literature
Andersch, A. Sansibar oder der letzte Grund. Harrap.
Hebel, J. P. Schatzkastlein des rheinischen Hausfreundes. Hueber, Munich.
Rado, M. Begegnungen von A. bis Z. Heinemann.
Forster, L. The Penguin Book of German Verse.

REFERENCE BOOK

Bithell, J. Germany, A Companion to German Studies. Methuen.

56.211 German I

150 hours of lectures, tutorials and language laboratory practice.

In the First Term, there will be three hours a week devoted to pronunciation, reading, comprehension, translation and composition, and two lectures a week on stylistic analysis and evaluation of prescribed literary texts. In the Second and Third Terms, the language tutorials will be reduced to two a week; instead, in the Second Term there will be a course of lectures on contemporary Germany, to be followed in the Third Term by an introduction to the poetry of Goethe. The prescribed literary texts serve as an introduction to a particular literary field: German prose of the last two centuries.

Throughout the year, students will be required to submit translations and other written exercises, including three essays, one dealing with a prescribed text, one with an aspect of German culture, and an analysis of a poem.

TEXT BOOKS

(a) Language Schöffler-Weise. German-English, English-German Dictionary. Harrap. Russon, L. J. A Complete Course for First Examinations. Longmans. Kolisko-Yuill. Practice in German Prose. Macmillan.

(b) Literature Martini, F. Geschichte der deutschen Literatur. Kröner, Stuttgart. Böll, H. Dr. Murkes gesammeltes Schweigen. Kiepenheuer. Cologne. Goethe, J. W. Werke, vol. 1 (Gedichte) Wagner, Hamburg.

Hoffmann, E. T. A. Erzahlungen. Goldmann, Munich.

Hoffmann, E. T. A. Der goldene Topf. Reclam, Stuttgart.

Kafka, F. Das Urteil und andere Erzahlungen. Fischer, Frakfurt.

Keller, G. Romeo und Julie auf dem Dorfe. Reclam, Stuttgart.

von Kleist, H. Erzahlungen, Werke, vol. 4. Deutscher Taschenbuch-Verlag, Stuttgart.

Mann, T. Das Eisenbahnunglück. Piper, Munich.

Mann, T. Unordnung und frühes Leid. Nelson.

Meyer, C. F. Novellen. Drömer-Knaur, Stuttgart.

Zweig, S. Die Augen des ewigen Bruders. Insel, Frankfurt.

(c) History

Passant, E. J. Short History of Germany 1815-1945. Cambridge.

REFERENCE BOOKS

Duden. Stilwörterbuch der Deutschen Sprache. Bibliographisches Institut, Mannheim.

Bithell, J. Germany, A Companion to German Studies. Methuen.

56.202 German IIZ

180 hours of lectures, tutorials and language laboratory practice.

This course is designed for students who have passed German IZ (56.201) and who have completed the prescribed vacation reading.

Literary work will be as for German I (56.211). The linguistic component will be similar to that of German I, but will be supplemented by an additional 30 hours of intensive language practice.

TEXT AND REFERENCE BOOKS As for German I.

56.203 German IIZ (Distinction)

This course consists of the subjects covered in the pass course (German IIZ, 56.202) together with a course of lectures on the development of the German drama from Goethe to the present day. Students wishing to proceed to German III are required to complete a programme of prescribed reading in the long vacation prior to enrolment.

TEXT AND REFERENCE BOOKS As for German II.

56.212 German II

150 hours of lectures, tutorials and language laboratory practice. This course is designed for students who have passed German I (56.211)

Language work will be mainly concerned with advanced linguistic and stylistic analysis of literary passages, practice in conversation and composition, and an introduction to the history of the German language. There will be two tutorials for language practice, a course of lectures on the German drama from Goethe to the present day, based on prescribed texts, and a course of lectures on the history and development of the drama and dramatic theory in Germany.

There will be weekly exercises on prescribed topics and three essays.

TEXT BOOKS (a) *Language* As for German I.

(b) Drama

(a) Franking Geschichte der deutschen Literatur. Kröner, Stuttgart.
Brecht, B. Stücke, vols. 8 and 9, Suhrkamp. Frankfurt/M.
Büchner, G. Werke. Insel, Frankfurt/M.
Goethe, J. W. Werke, vols. 3 and 5. Wagner, Hamburg.
von Kleist, H. Gesammelte Werke, vols. 2 and 3. Deutscher Taschenbuch-Verlag, Stuttgart.
Schiller, F. Kabale und Liebe. Blackwell.

REFERENCE BOOKS As for German I.

56.222 German II (Distinction)

This course consists of the subjects covered in the pass course (German II, 56.212) together with a further 30 hours of lectures on the development of aesthetic theory from Lessing to Brecht (with particular reference to the Drama), further prose by Goethe and Kleist, and the poetry of Goethe and Brecht.

TEXT BOOKS

Brecht, B. Gedichte, vols. 1 and 2. Suhrkamp, Frankfurt/M.

Goethe, J. W. Werke, Vol. 1 (Gedichte). Wagner, Hamburg.

Goethe, J. W. Novellen, Ausgewahlte Werke, vol. 14. Goldmann, Munich. Goethe, J. W. Die Leiden des jungen Werthers, Blackwell.

Goetne, J. W. Die Leiden des jungen weriners. Blackweil.

von Kleist, H. Gesammelte Werke, vols. 4 and 5. Deutscher Taschenbuch-Verlag, Stuttgart.

von Kleist, H. Ueber das Marionettentheater. Insel. Frankfurt/M.

Schiller, F. Schriften zur Aesthetik. Reclam, Stuttgart.
SPANISH

Courses offered by the Department cover the language, literature and culture of Spain and Spanish America.

The aim of First Year courses is to give the student a solid foundation of grammar, syntax and vocabulary. As soon as possible, Spanish will be used exclusively in the classroom. Extensive use will be made of the language laboratory, so that the student rapidly acquires a good aural understanding of the language, and some proficiency in the use of the spoken language. A study will also be made of graded literary material.

Spanish IZ is designed for those with little or no knowledge of the language. Spanish I is for those who have passed Spanish at School Certificate level, or have successfully completed equivalent studies. Those admitted to Spanish I will study more difficult literary material and texts.

Students who wish to proceed to Spanish II from Spanish IZ will be required to carry out a programme of vacation reading and study as prescribed by the Head of the Department.

Spanish literature will be studied through representative literary texts, beginning with the contemporary and 19th century periods, and going on to a study of the Golden Age and previous centuries. Spanish American literary texts will first be selected from the 19th and 20th centuries, with subsequent study devoted to the Colonial period and 18th century.

A study of Spanish and Spanish-American culture will include the plastic arts, architecture and music. The language laboratory and stereo room are used at second and third year levels mainly to give the student an opportunity to listen to performances of Spanish plays, both classical and modern, and a wide variety of prose and poetry readings selected from metropolitan Spanish and Spanish-American sources.

56.301 Spanish IZ

180 hours of lectures, tutorials and language laboratory practice. This course is designed for students who have little or no

This course is designed for students who have little or no knowledge of the language but who have reached matriculation standard in a language other than English, unless the Head of the Department rules otherwise in special cases. Students who have studied Spanish up to the Leaving Certificate, Higher School Certificate, or Matriculation levels may not be admitted to this course. Students who pass Spanish IZ and who wish to proceed to Spanish II are required to complete a programme of prescribed reading in the vacation prior to enrolment.

In the First and Second Terms, language work predominates, with some study of graded reading material. In the Third Term an introduction to Spanish culture and the reading of literary texts are added. Throughout the year, students are required to submit translations and other written exercises.

TEXT BOOKS

(a) Language

Cuyas, A. Revised Spanish Dictionary. Appleton-Century-Crofts.

Méras and Roth. Pequeno vocabulario. Harrap.

Harrop, L. B. Notes on Spanish Pronunciation. Centre Educatif et Culturel.

Harrop, L. B. Spanish Graded Comprehension Pieces — Book One. Centre Educatif et Culturel.

Rogers, P. Spanish for the First Year (and Workbook). Macmillan.

Timms, W. W. A First Spanish Reader for Adults. University of London.

(b) Literature Alvarez Quintero. Sin palabras. University of London. Eoff and King. Spanish American Short Stories. Macmillan.

REFERENCE BOOKS

Pequeno Larousse Ilustrado. Larousse.

Michel and Lopez Sancho. A B C de civilizacion hispanica. Bordas. Gili Gaya, S. Diccionario de sinonimos. Spes. Espinosa, A. La civilizacion Espanola. Oxford.

56.311 Spanish I

150 hours of lectures, tutorials and language laboratory practice.

In the First Term there will be three class periods a week devoted to pronunciation, reading comprehension, translation and composition. In addition a review of Spanish grammar will be completed. In the Second and Third Terms, the emphasis will be on literary texts and an introduction to Spanish culture.

TEXT BOOKS

(a) Language

Pequeno Larousse Ilustrado. Larousse.

de los Rios and Garcia Lorca. Lengua viva y gramatica. Holt Rinchart and Winston.

Lentz, E. E. A Spanish Vocabulary. Blackie and Son.

Harrop, L. B. Notes on Spanish Pronunciation. Centre Educatif et Culturel.

Harrop, L. B. Spanish Graded Comprehension Pieces-Book Two. Centre Educatif et Culturel.

(b) Literature

Martinez Sierra. Cancion de cuna. Austral. Jiménez, Juan Ramon. Platero y vo. Losada. Buero Vallejo, A. Hoy es fiesta. Harrap. Walkins (ed.). An Omnibus of Modern Spanish Prose. Odyssey.

REFERENCE BOOKS

Cuyas, A. Revised Spanish Dictionary. Appleton-Century-Crofts. Gili Gaya, S. Diccionario de sinonimos. Spes. de los Rios and Garcia Lorca. Cumbres de la civilizacion espanola. Holt, Rinehart and Winston.

56.312 Spanish II

150 hours of lectures, tutorials and language laboratory practice.

(Syllabus to be announced)

ITALIAN

(Offered by the Department of Italian, University of Sydney).

Preliminary Italian Italian I Italian II

Details of these courses may be obtained from the Professor of Italian at the University of Sydney.

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.

51.111 History I

Europe: From the 17th to the 20th Century.

TEXT BOOKS

- Beloff, M. The Age of Absolutism: 1660-1815. Arrow Paperback, London 1954.
- Rudé, G. Revolutionary Europe: 1783-1815. Fontana Paperback, London, 1964.
- Thomson, D. Europe Since Napoleon. Longmans, London, 1961.
- Forbes, R. J. and Dijksterhuis, E. J. A History of Science and Technology, 2 vols. Penguin, London, 1963.
- Birnie, A. An Economic History of Europe: 1760-1939. University Paperback, London, 1962.

Hobsbawm. The Age of Revolution, Mentor Paperback, New York, 1964.

REFERENCE BOOKS

(a) The New Cambridge Modern History.

Heaton. Economic History of Europe. Harper, New York, 1948.

(b) Pelling, H. Modern Britain: 1885-1955. Thomas Nelson, London, 1960. Pinson, K. Modern Germany, Macmillan, New York, 1961.

- Seton-Watson, H. The Decline of Imperial Russia. University Paperback, London, 1964.
- Smith, D. Mack. *Italy: A Modern History*. Ann Arbor, University of Michigan, 1959.
- Wright, G. France in Modern Times. John Murray, London, 1962.
- (c) Markham, F. M. H. Napoleon and the Awakening of Europe. Teach Yourself Library. London, 1958.
- Taylor, A. J. P. Bismarck. Grey Arrow Paperback, London, 1961.
- Silone, I. Mazzini. Cassell's Living Thoughts Library, London, 1946.

- Berlin, I. Karl Marx. Home University Library. London, 1956.
- Jenkins, R. Asquith. Collins, London, 1964.
- Deutscher, I. Stalin: A Political Biography. O.U.P. Paperback, London, 1949.

Bullock, A. Hitler: A Study in Tyranny. Pelican, London, 1962.

Kirkpatrick, I. Mussolini: Study of a Demagogue. Odhams, London, 1964. 51 112 History II

51.112 History II

The Pacific and Australia: From the 17th Century to the 20th Century.

TEXT BOOKS

Grattan, C. H. The Southwest Pacific to 1900: and The Southwest Pacific since 1900. 2 vols. Ann Arbor, University of Michigan, 1963.

Greenwood, G. (ed) Australia: A Social and Political History, A. & R., Sydney, 1955.

REFERENCE BOOKS

(a)

- Clark, C. M. H. A History of Australia. Vol. 1. M.U.P., 1962.
- Clark, C. M. H. Select Documents in Australian History, 1788-1850. A. & R., Sydney, 1950.
- Clark, C. M. H. Select Documents in Australian History, 1851-1900. A. & R., Sydney, 1955.
- Drohan, N. T., and Day, J. H. Readings in Australian Economics, Cassell, Melbourne, 1965.
- Morrell, W. P. Britain in the Pacific Islands. O.U.P., London, 1960.
- Shann, E. O. G. An Economic History of Australia. Georgian, Melbourne. 1964.
- Sinclair, K. A History of New Zealand. O.U.P., London, 1961.
- Ward, R. The Australian Legend. O.U.P., London, 1960.

(h)

Austin, A. G. Australian Education, 1788-1900. Pitman, Melbourne, 1961.

- Bolton, G. C. A Thousand Miles Away, J/A.N.U., Brisbane, 1963.
- Brown, B. The Rise of New Zealand Labour. Price Milburn. Wellington, 1962.
- Condliffe, J. G. New Zealand in the Making. Allen and Unwin, London, 1959.
- Crowley, F. K. Australia's Western Third, Macmillan, London, 1960.
- Grattan, C. H. The United States in the Southwest Pacific. M.U.P./O.U.P., Melbourne, 1961.
- Kiddle, M. Men of Yesterday. M.U.P., 1963.
- Knaplund, P. James Stephen and the British Colonial System. University of Wisconsin, Madison, 1953.
- Melbourne, A. C. V. Early Constitutional Development in Australia. University of Queensland, Brisbane, 1963.
- Price, A. G. The Western Invasions of the Pacific and its Continents. O.U.P., London, 1963.
- Roberts, S. H. The Squatting Age in Australia, M.U.P., 1964.
- Roe, M. Quest for Authority in Eastern Australia. M.U.P./A.N.U., Melbourne, 1965.
- Ross, A. New Zealand Aspirations in the Pacific. O.U.P., London, 1964.
- Serle, G. The Golden Age. M.U.P., 1963.
- Yarwood, A. T. Asian Migration to Australia. M.U.P., 1964.

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Bassett, M. The Hentys. M.U.P., 1962.

Brennan, N. Dr. Mannix. Rigby, Melbourne, 1964.

Crisp, L. F. Ben Chifley. Longmans, Melbourne, 1961.

Ellis, M. H. John Macarthur, A. & R., Sydney, 1955.

Fitzhardinge, L. F. William Morris Hughes. A. & R., Sydney, 1964.

Harris, A. Settlers and Convicts. M.U.P., 1964.

La Nauze, J. Alfred Deakin, 2 vols. M.U.P., 1965.

O'Farrell, P. J. Harry Holland, Militant Socialist. A.N.U. Canberra, 1964.

Rutherford, J. Sir George Grey. Cassell, London, 1961.

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.
Hobsbawm, 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,

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REFERENCE BOOKS

- Ashton, T. S. The Industrial Revolution. H.U.L.
- 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. Short History of the 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 Nincteenth 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)—Imperialism and Expansion of Europe 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

Easton, S. The Rise and Fall of European Colonialism. Praegar Paperback, Panikkar, K. M. Asia and Western Dominance.

Roberts, P. E. and Spear, T. History of British India. Revised ed., 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. A History of Australia, Vol. I. Clark, C. M. H. Select Documents in Australian History (2 vols.). Greenwood, G. (ed.) Australia, A Social and Political History.

REFERENCE BOOKS

Cambridge History of the British Empire, Vols. II and III (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)

- (a) The list of courses to be offered during 1966 will be posted on the History Notice Board not later than 1st February 1966.
- (b) Students will be required to select two courses from the list of those offered.
- (c) Distinction students in their final year are required to prepare a short thesis, which must be submitted before the Final Examinations in November.

AUSTRALIAN STUDIES

51.211 Australian Studies

This course will not be offered in 1966.

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 and politics 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.

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 systems of government, using Australia as a major example. Regular tutorial work is required for at least two terms.

TEXT BOOKS

Crisp, L. F. Australian National Government. Longmans, 1965.

Dahl, R. Modern Political Analysis. Prentice-Hall, 1964.

Davies, A. F. Australian Democracy. Longmans, 2nd edition, 1964.

Jupp, J. Australian Party Politics. Melbourne University Press, 1964.

Mayer, H. Reader in Australian Politics. Cheshires, 1966.

Miller, J. D. B. The Nature of Politics. Pelican. 1965.

Parker, R. S. Australian Institute of Political Science Monograph No. 1 ----"The People and the Constitution".

Partridge, P. H. Australian Institute of Political Science Monograph No. 2 --- "The Rights of the Citizen".

Sawer, G. Australian Government Today. Melbourne University Press, 1963.

REFERENCE BOOKS

[®]Miller, J. D. B. Australian Government and Politics. Duckworth, 3rd ed., 1964.

*Wheare, K. C. Legislatures. Oxford University Press, 1963.

*Wheare, K. C. Modern Constitutions. Oxford University Press, 2nd edition, 1960.

*Wilkes, J. (ed.) Forces in Australian Politics. Angus & Robertson, 1965.

Rirch, A. H. Representative and Responsible Government. Allen & Unwin, 1964.

Blondel, J. Voters. Parties. and Leaders. Pelican, 1963.

Burns, C. Parties and People. Melbourne University Press, 1961.

- Crick. B. In Defence of Politics. Pelican. 1964.
- Davis, S. R. (ed.). The Government of the Australian States. Longmans, 1960.

⁴ Strongly recommended.

- De Grazia, A. Politics and Government, Vol. I: "Political Behaviour"; Vol. II: "Political Organization". Collier Paperback, 1962.
- Encel, S. Cabinet Government in Australia. Melbourne University Press, 1962.

Field, G. C. Political Theory. Methuen, 1964.

Forell, C. R. How we are Governed. Cheshires, 1964.

Greenwood, G. (ed.). Australia, a Social and Political History. Angus & Robertson, 1955.

Hacker, A. The Study of Politics. McGraw-Hill, 1963.

Hadfield, J. Basic Politics. University of London Press, 5th ed., 1965.

Hill, A., and Whichelow, A. What's Wrong with Parliament? Penguin, 1964. Horne, D. The Lucky Country. Penguin, 1964.

- Jennings, I. The British Constitution. Cambridge University Press, 4th ed., 1961.
- Lasswell, H. Politics, Who Gets What, When, How. The Free Press, 4th ed., 1961.

Mayo, H. B. An Introduction to Democratic Theory. Oxford, 1960.

Rawson, D. W. Australia Votes. Melbourne University Press, 1961.

Rorke, J. (ed.). Aspects of Australian Government. Tutorial Classes Department, University of Sydney, 2nd ed., 1964.

Street, H. Freedom, the Individual and the Law. Pelican, 1963.

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 (as well as other Communist regimes) are studied separately, except for some comparative lectures. Special reference is made, on the one hand, to Marxist theory and practice in Russia and other Communist systems, and, on the other, to ideas of constitutionalism and democracy in the United States.

TEXT BOOKS

(a) American Government and Politics:

- Burns, J. M., and Peltason, J. W. Government of the People. Prentice-Hall, 5th ed., 1964.
- Neustadt, R. Presidential Power. Signet Book, New American Library, 1960.

(b) Russian Government and Politics:

Armstrong, J. A. Ideology, Politics and Government in the Soviet Union. Praeger paperback, 1963.

Deutscher, I. Stalin. Oxford University Press paperback, 1961.

Constitution of the U.S.S.R. Foreign Languages Publishing House, Moscow.

- Rules of the Communist Party of the Soviet Union. Foreign Languages Publishing House, Moscow.
- Hazard, J. N. The Soviet System of Government. Chicago University Press, 1961. OR
- as an alternative to Hazard, a new text by Meyer may be prescribed.

REFERENCE BOOKS

- (a) American Government and Politics:
- Adrian, C. R. and Press, C. The American Political Process. McGraw-Hill, 1965.
- ^{*}Irish, M. D., and Prothro, J. W. The Politics of American Democracy. Prentice-Hall, 3rd ed., 1965.
- *Rossiter, C. Parties and Politics in America. Cornell University Press, 1960.
- *White, T. H. The Making of the President, 1960. Athenaeum House. 1961.
- *White, T. H. The Making of the President, 1964. Athenacum House. 1965.
- Bell, D. The End of Ideology. Free Press, 1960.
- Coyle, D. C. The U.S. Political System. New American Library, 1961.
- de Tocqueville, A. Democracy in America, best edition edited by Phillips Bradley, Vintage Paperbacks, 2 vols., 1960.
- Key, V. O. Politics, Parties and Pressure Groups. Crowell, 5th ed., 1964. Lippman, W. The Public Philosophy. Hamilton, 1955.
- Lubell, S. The Future of American Politics. Harper, 1952.
- Mason, A. T. and Beaney, W. M. The Supreme Court in a Free Society. Prentice-Hall, 1959.
- Maurois, A. A New History of the U.S.A. Weidenfeld and Nicolson, 1964. Myrdal, G. An American Dilemma. Harper. 1944.
- Ogg, F. A. and Ray, R. A. American Government. Appleton, 1962.
- Ogg, F. A. and Ray, R. A. Essentials of American Government. Appleton, 1961.
- Stannard, H. M. The Two Constitutions. Black, 1950.
- (b) Russian Government and Politics:
- Acton, H. B. The Illusion of the Epoch. Cohen and West. 1955.
- Adams, (ed.). The Russian Revolution and the Bolshevik Victory: How and Why? D. C. Heath & Co., 1963.
- Arendt, H. The Origins of Totalitarianism. Meridan Books, 1958.
- Armstrong, J. A. The Politics of Totalitarianism. Random House, 1961.
- *Brzezinski, Z. and Huntington, S. Political Power: USA-USSR. Chatto & Windus, 1964.
- Carew-Hunt, R. N. The Theory and Practice of Communism. Pelican, 1963.
- Carr, E. H. A History of Soviet Russia, 8 vols. Macmillan, 1950-1964.
- Chamberlin, W. H. The Russian Revolution, 2 vols. Macmillan, 1954. Conquest, R. Commonsense about Russia. Gollancz, 1960.
- *Daniels, R. V. A Documentary History of Communism. Random House, 1962.
- Djilas, M. The New Class. Thames and Hudson, 1957.
- Denisov, A. and Kirichenko, M. Soviet State Law. Foreign Languages Publishing House, 1960.
- *Fainsod, M. How Russia is Ruled. Revised ed., Harvard, 1963.
- Fcuer, L. (ed.). Marx and Engels-Basic Writings on Politics and Philosophy. Anchor, 1959.
- Gsovski, V. and Grsybowski, K. Government Law and Courts in the Soviet Union and Eastern Europe. Stevens, 1959.

* Strongly rocommended.

Hazard, J. N. Settling Disputes in Soviet Society. Columbia University Press, 1960.

Leonhard, W. The Kremlin Since Stalin. Oxford University Press, 1962.

- McNeal, R. H. (ed.). The Russian Revolution—Why Did the Bolsheviks Win? Rinehart, 1959.
- McNeal, R. H. (ed.). Lenin, Stalin, Khrushchev—Voices of Bolshevism. Prentice-Hall, 1963.

Miller, W. Russians as People. Dutton, 1961.

Mills, C. W. The Marxists. Pelican, 1964.

Meyer, A. G. Communism. Random House, 2nd edition, 1963.

Plamenatz, J. German Marxism and Russian Communism. Longmans, 1954.
*Schapiro, L. The Communist Party of the Soviet Union. Eyre & Spottiswood, 1960.

*Scott, D. J. R. Russian Political Institutions. Allen & Unwin, 1961.

Wolfe, B. Three Who Made a Revolution. Dial, 1948.

*Gyorgy, A. Communism in Perspective. Allyn and Bacon, 1964.

54.122 Political Science II (Distinction)

This course will consist, in part, of special study of aspects of the Pass course (British and American liberal-democratic thought and its Marxist critics in the nineteenth and twentieth centuries) and, in part, of special study of some questions in Political Sociology. Students intending to take the course should consult the School of Political Science for reading lists and other details.

54.113 Political Science IIIA

A course of 90 hours lectures and tutorials.

1. The Politics of Developing Societies (30 hours).

This part of the course begins by giving new theoretical bearings for understanding the politics of underdevelopment and of industrialisation. It then turns to a study of the impact upon the politics and government of developing nations, of social divisions in traditional agrarian societies, the role of the intellectuals, nationalism, anti-colonialism and communism. There will be a special "case study" of one political system not hitherto examined:

TEXT BOOKS

- Almond, G. A. and Coleman, J. S. (eds.). The Politics of Developing Areas. Princeton, 1960.
- Kautsky, J. H. (ed.). Political Change in Underdeveloped Countries. Wiley and Sons, 1962.

REFERENCE BOOKS

Barnett, A. D. Communist Strategies in Asia. Praeger, 1963.

- Dallin, A. (ed.). Diversity in International Communism. Columbia, 1963. Emerson, R. From Empire to Nation. Harvard, 1960.
- Feith. H. Decline of Constitutional Democracy in Indonesia. Cornell, 1962.

Heilbroner, R. L. The Great Ascent. Harper Torchbooks, 1963.

Sigmund, P. E. The Ideologies of the Developing Nations. Praeger, 1963.

* Strongly recommended.

Tinker, H. Ballot Box and Bayonet, Oxford, 1964.

- Ward, R. E. and Macridis, R. C. (eds.). Modern Political Systems: Asia. Prentice-Hall, 1963.
- 2. A Special Study of One Major European Political System (30 hours). For 1966, this will be Great Britain.
- TEXT BOOKS
- Blondel, J. Voters, Parties, and Leader—The Social Fabric of British Politics. Pelican, 1963.
- Harrison, W. Government of Britain. Hutchinson, 1960.
- McKenzie, R. T. British Political Parties. Heinemann, 2nd ed., 1963.
- Moodie, G. C. The Government of Britain. Methuen University Paperbacks, 1964.
- Finer, S. E. Anonymous Empire. Pall Mall, 1962.
- REFERENCE BOOKS
- Beer, S. H. British Politics in the Collectivist Age. Knopf, 1965.
- Boyd, F. British Politics in Transition 1945-63. Praeger, 1964.
- Daalder, H. Cabinet Reform in Britain, 1914-63. Stanford & Oxford, 1964.
- Eckstein, H. "The British Political System" in Beer, S. H. and Ulam,
- A. B.: Patterns of Government. Random House. 2nd ed., 1958.
- Finer, S. E. "Great Britain" in Macridis, R. C. and Ward, R. D. (eds.): Modern Political Systems: Europe. Prentice-Hall, 1963.
- Jennings, Sir I. Parliament. Cambridge, 2nd ed., 1957.
- Jennings, Sir I. Party Politics, 3 vols. Cambridge, 1960-62.
- Mackintosh, J. P. The British Cabinet. Stevens, 1962.
- Morrison, H. Government and Parliament. 3rd ed., Oxford, 1964.
- Stewart, J. D. British Pressure Groups. Oxford, 1958.
- Taylor, E. The House of Commons at Work. Pelican, 1951 (or later).
- Wilson, N. The British System of Government. Blackwell, 1963.
- Young, R. The British Parliament. Faber, 1962.
- 3. (a) Contemporary Social and Political Theory (30 hours) or (b) International Relations (30 hours)
- () International Relations (50 nours)
- or (c) Local Government—Urban and Metropolitan (30 hours). 3a. TEXT BOOKS
- A number of journal articles will be prescribed reading.
- In addition the following books should be acquired:
- Burnham, J. The Managerial Revolution. Pelican, 1962.
- Djilas. The New Class. Praeger paperback, 1957.
- Mills, C. W. The Power Elite. Oxford University Press paperback, 1959.
- Mosca, G. The Ruling Class. McGraw-Hill paperback. 1939.
- **REFERENCE BOOKS**
- Bentley, A. F. The Process of Government. Principia Press of Illinois, 1949.
- Crick, B. The American Science of Politics. Routledge and Kegan Paul, 1959.
- Easton, D. A Framework for Political Analysis. Prentice-Hall, 1965.
- Easton, D. The Political System. Knopf, 1953.
- Easton, D. A Systems Analysis of Political Life. Wiley, 1965.
- Eulau, H., Eldersveld, S. J., Janowitz, M. Political Behavior. Free Press, 1956.
- Eulau, H. The Behavioral Persuasion in Politics. Random House, 1964. Hughes, H. S. Consciousness and Society. Knopf, 1961.

- Kariel, H. S. In Search of Authority: Twentieth-Century Political Thought. Free Press, 1964.
- Kariel, H. S. Sources in Twentieth-Century Political Thought. Free Press, 1964.
- Lipset, S. M. Political Man. Doubleday, 1960.
- Meisel, J. H. The Myth of the Ruling Class: Mosca and the Elite. Ann Arbor, 1962.
- Monsen, R. J. and Cannon, M. W. The Makers of Public Policy. McGraw-Hill, 1965.
- Storing, H. J. (ed.). Essays on the Scientific Study of Politics. Holt, 1962.
- Truman, D. The Governmental Process. Knopf, 1953.
- Ulmer, S. S. (ed.). Introductory Readings in Political Behavior. Rand McNally, 1961.
- Young, R. (ed.). Approaches to the Study of Politics. Northwestern University Press, 1958.
- Zeigler, H. Interest Groups in American Society. Prentice-Hall, 1964.

3b. International Relations:

- TEXT BOOK
- Morgenthau, H. J. Politics Among Nations. A. Knopf, 1960.
- **REFERENCE BOOKS**
- Bell, C. Negotiations from Strength.
- Carr, E. H. The Twenty Years' Crisis.
- Corbett, P. E. Law in Diplomacy.
- Greenwood, G. and Harper, N. Australia in World Affairs.
- Miller, J. D. B. The Commonwealth in the World,
- Modelski, G. A Theory of Foreign Policy.
- Nicholson, H. Diplomacy.
- Nicholas, H. G. The United Nations as a Political Institution.
- Schleicher, C. P. International Relations: Cooperation and Conflict.
- Seton-Watson, H. Neither War nor Peace.
- 3c. Local Government Urban and Metropolitan:
- TEXT BOOKS
- Atkins, R.: "Local Government" in Spann, R. N., *Public Administration* in Australia, Sydney, 1960. (Copies of some unpublished material on Australian Local Government by R. Atkins will be issued.)
- Banfield, E. C. (ed.). Urban Government, A Reader in Politics and Administration. Free Press, 1961.
- Jackson, R. M. The Machinery of Local Government. London, Macmillan, 1958.
- Mackenzie, W. J. M. Theories of Local Government. Pamphlet, London School of Economics, 1960.
- Riker, W. H. The Study of Local Politics. New York, Random House, 1959.
- Sayre, W. and Kaufman, H. Governing New York City. Russell Sage Foundation, New York, 1960.
- South Pacific Commission: Report of Technical Meeting on Urban Local Government, 1964. (Published late 1964.)
- **REFERENCE BOOKS**
- Blair, G. S. American Local Government.
- Bollens, J. C. Exploring the Metropolitan Community.
- Dahl, R. Who Governs.
- Editors of "Fortune". The Exploding Metropolis.

Fiser, W. S. Mastery of the Metropolis.

Headrick, F. E. "The Town Clerk in English Local Government".

Humes, S. and Martin, E. The Structure of Local Governments Throughout the World.

I.U.L.A. Local Government Throughout the World. The Hague.

Mair, L. P. "Representative Local Government as a Problem in Social Change", Rhodes-Livingstone Journal, March, 1957.

Meyerson, M. and Barfield, E. Politics, Planning and the Public Interest.

Polaschek, R. J. (ed.). Local Government in New Zealand. N.Z. Institute of Public Administration, 1956.

Report of Royal Commission on Local Government in Greater London.

R.I.P.A. (London). Development of Local Government in the Colonies. Report of Conference, 1955.

R.I.P.A. (London). New Sources of Local Revenue. Report of Study Group, 1956.

Roleson, W. A. (ed.), Great Cities of the World.

Winston, D. Sydney's Great Experiment.

University of New England (Adult Education Department). Selected Papers on Local Government.

University of New England. Local Government and Decentralisation.

54.123 Political Science IIIA (Distinction)

A course of 60 hours.

This course will consist of special and intensive study of aspects of the Pass Course in 54.113 Political Science IIIA. Students should consult the School of Political Science for further required and recommended reading.

54.133 Political Science HIB

A course of 90 hours of lectures and tutorials.

This course will consist of three out of the following 30-hour courses provided that no student is to include among the options any course taken under 54.113 Political Science IIIA.

- 1. Australian Political Parties, Pressure Groups and Studies of Voting Behaviour.
- 2. International Relations.
- 3. Local Government.
- 4. Politics and Economic Policy.
- 5. Special Study of One or Two Classical Political Thinkers.
- 6. Recent and Contemporary Political Sociology.

1. TEXT BOOKS

Burns, C. L. Parties and People. Melbourne University Press, 1961.
Jupp, J. Australian Party Politics. Melbourne University Press, 1964.
Rawson, D. W. Australia Votes. Melbourne University Press, 1961.
Campbell, I. Groups in Theory and Practice. Sydney Studies in Politics, No. 1. Cheshire, 1962.

REFERENCE BOOKS

Australian Institute of Political Science. The Australian Party System. Crisp, L. F. The Australian Federal Labor Party, 1901-1951.

- Davies, A. F. Australian Democracy.
- Davis, S. R. The Government of the Australian States.
- Duverger, M. Political Parties.
- Ellis, U. The Country Party.
- Key, V. O. Politics, Parties and Pressure Groups.
- Mayer, H. Catholics and the Free Society.
- Michels, R. Political Parties.
- Overracker, L. The Australian Party System.
- Schattschneider, E. E. Party Government.
- Truman, T. Catholic Action and Politics.
- 2. As for 54.113 Political Science IIIA under 3b.
- 3. As for 54.113 Political Science IIIA under 3c.
- 4. TEXT BOOKS
- Dahl, R. A. and Lindblom, C. E. Politics, Economics and Welfare. Harper Torchbook Paperback.
- Fine, S. Laissez-Faire and the General-Welfare State. Ann Arbor Paperback, 1964.
- Hoover, C. B. The Economy, Liberty and the State. Doubleday Anchor Paperback, 1961.
- **REFERENCE BOOKS**
- Blau, P. M. Bureaucracy in Modern Society.
- Chester, D. N. The Nationalised Industries.
- Fainsod, M., Palamountain, J. and Gordon, W. Government and the American Economy.
- Friedmann, W. The Planned State and the Rule of Law.
- Hanson, A. H. Nationalisation: A Book of Readings.
- Hayek, F. The Road to Serfdom.
- Public Administration (Sydney), Vol. XVI, No. 1, March, 1957: Special Issue on "Public Enterprise in Australia".
- Robson, W. A. Problems of Nationalised Industry.
- Wootten, B. Freedom Under Planning.
- 5. In 1966, Marx.
- TEXT BOOKS
- Feuer, L. S. (ed.). Basic Writings on Politics and Philosophy of Marx and Engels. Doubleday Anchor Paperback.
- Marx, K. and Engels, F. Selected Works, 2 vols. Foreign Languages Publishing House, Moscow.
- REFERENCE BOOKS
- Bottomore, T. B. and Rubel, M. Karl Marx—Selected Writings in Sociology and Social Philosophy.
- Carew-Hunt R. N. The Theory and Practice of Communism.
- Hook, S. The Ambiguous Legacy-Marx and the Marxists.
- Lichtheim, G. Marxism—An Historical and Critical Study.
- Mayo, H. B. Introduction to Marxist Theory.
- Meyer, A. Marxism: The Unity of Theory and Practice.
- Mills, C. W. The Marxists.
- Plamenatz, J. German Marxism and Russian Communism.
- Plamenatz, J. Man and Society, Vol. II.
- Popper, K. The Open Society and its Enemies.
- Schumpeter, J. A. Capitalism, Socialism and Democracy.
- Tucker, R. Philosophy and Myth in Karl Marx,
- Ulam, A. B. The Unfinished Revolution.

6. TEXT BOOKS

- Bendix, R. Max Weber: An Intellectual Portrait. Doubleday Anchor Paperback.
- Gerth, H. H. and Mills, C. W. From Max Weber: Essays in Sociology. Routledge Paperback.

REFERENCE BOOKS

Bell, D. The End of Ideology.

Bentley, A. F. The Process of Government: A Study of Social Pressures. Kornhauser, W. The Politics of Mass Society.

Lasswell, H. and Kaplan, A. Power and Society.

Lipset, S. Political Man.

Mills, C. W. Power, Politics and People.

Mills, C. W. The Power Elite.

Weber, M. Basic Concepts in Sociology.

Weber, M. The Theory of Social and Economic Organisation.

54.143 Political Science IIIB (Distinction)

A course of 60 hours.

Students taking the Special (Honours) degree in Political Science will take this course in addition to 54.123 Political Science IIIA (Distinction). This course will consist of special study of aspects of the pass course in 54.133 Political Science IIIB. Students should consult the School of Political Science for further required and recommended reading.

54.114 Political Science IV

Courses to be attended and work to be completed will normally include:

- 1. A thesis. Students will be required to undertake an original piece of work extending throughout the year and to submit a thesis based upon it.
- 2. A course on methodology, including a short course of lectures on source-materials and methods of research, as well as discussions of issues raised by such writers as Karl Popper "The Logic of Scientific Discovery": Ernest Nagel "The Structure of Science"; Robert Brown "Explanation in Social Science"; Quentin Gibson "The Logic of Social Enquiry".
- 3. Theories of politics. Thorough examination of three major theories; for example, Marx and Marxism, Max Weber, Behaviourism in recent American political science.
- 4. A special subject, to be arranged in consultation with the Head of the School, and chosen to fit in with the student's special interests.

ECONOMICS

15.101 Economics I

Three hours per week including tutorial classes.

The main purpose of this subject is to provide an introduction to economic analysis. It includes a consideration of the theory of the determination of prices and output of individual goods and services, and of the determination of the general price level, aggregate employment and national income. The subject also considers the monetary and banking system, with particular reference to Australian institutions; international trade; and economic policy.

PRELIMINARY READING

 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

- Downing, R. I. National Income and Social Accounts. Latest ed., Melbourne U.P.
- Karmel, P. H., and Brunt, M. The Structure of the Australian Economy. Cheshire, 1962.
- Lipsey, R. G. An Introduction to Positive Economics. Wiedenfeld and Nicolson, 1963.
- Samuelson, P. A. Economics: An Introductory Analysis. 6th ed., McGraw-Hill, 1964.
- Robinson, R. Study Guide and Workbook to Accompany Samuelson: Economics. 6th ed., McGraw-Hill, 1964.

REFERENCE BOOKS

Australian National Accounts. Latest ed. Commonwealth Statistician.

- National Income and Expenditure. Latest ed. Commonwealth Government Printer.
- Labour Report. Latest ed. Commonwealth Government Printer.
- Dillard, D. The Economics of J. M. Keynes. Crosby Lockwood, 1958. Due, J. F., and Clower, R. W. Intermediate Economic Analysis. 4th ed.,
- Irwin, 1961.
- Dorfman, R. The Price System. Prentice-Hall, 1964.
- Edey, H. C., and Peacock, A. T. National Income and Social Accounting. 2nd ed., Hutchinson, 1963.
- Grant, J. McB., and Hagger, A. J. (eds.). Economics: An Australian Introduction. Cheshire, 1964.
- Leftwich, R. H. The Price System and Resource Allocation. Revised ed., Holt, Rinehart and Winston, 1961.
- McColl, G. D. The Australian Balance of Payments. Melbourne U.P., 1965.
- Samuelson, P. A., Coleman, J. R., Bishop, R. L., and Saunders, P. Readings in Economics. 4th ed., McGraw-Hill, 1964.

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 theory of comparative advantage in international trade will be examined, and arguments for tariffs and other restrictions on trade considered.

TEXT BOOKS

Dorfman, R. The Price System. Prentice-Hall, 1964.

Due, J. E., and Clower, R. W. Intermediate Economic Analysis. 4th ed., Irwin, 1961.

Kenen, P. B. International Economics. Prentice-Hall, 1964.

Scitovsky, T. Welfare and Competition. Allen & 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.

Cohen, K. J. and Cyert, R. M. Theory of the Firm: Resource Allocation in a Market Economy. Prentice-Hall, 1965.

Friedman, M. Price Theory. Aldine, 1962.

Heflebower, R. B., and Stocking, G. W. Readings in Industrial Organization and Public Policy. Irwin, 1958.

Hunter, A. (ed.). The Economics of Australian Industry. Melbourne U.P., 1963.

Karmel, P. H., and Brunt, M. The Structure of the Australian Economy. Cheshire, 1962.

Kindleberger, C. P. International Economics. 3rd ed., Irwin, 1963.

Klein, L. R. An Introduction to Econometrics. Prentice-Hall, 1962.

Phelps Brown, E. H., and Wiseman, J. A Course in Applied Economics. 2nd ed., Pitman, 1964.

Stigler, G. J. The Theory of Price. Revised ed., Macmillan, 1952.

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 microeconomic 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.

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 macroeconomic theory and policy. Consideration will be given to the concept and measurement of national income; static and dynamic aspects of the theory of aggregate output, employment and the price level including inflation; wages policy with special reference to Australia; some aspects of cyclical fluctuations and economic growth; the implication of macroeconomic theory for monetary and fiscal policy; some aspects of the formulation and conduct of economic policy with special reference to Australia.

TEXT BOOKS

Ackley, G. Macroeconomic Theory. Macmillan, 1961.

Matthews, R. C. O. The Trade Cycle. Cambridge U.P., 1960.

Arndt, H. W., and Corden, W. M. (eds.). The Australian Economy. Cheshire, 1963.

REFERENCE BOOKS

Arndt, H. W. The Australian Trading Banks. 2nd ed., Cheshire, 1960.

Bailey, M. J. National Income and the Price Level. McGraw-Hill, 1962.

- Davidson, P. and Smolensky, E. Aggregate Supply and Demand Analysis. Harper & Row, 1963.
- Dernburg, T. F., and McDougall, D. M. Macroeconomics. Revised ed., McGraw-Hill, 1963.

Hagger. A. J. The Theory of Inflation. Melbourne U.P., 1964.

Hansen, A. H. Business Cycles and National Income. Norton, 1951.

Hansen, A. H. A Guide to Keynes, McGraw-Hill, 1953.

Hicks, J. R. A Contribution to the Theory of the Trade Cycle. Oxford U.P., 1950.

Keynes, J. M. The General Theory of Employment, Interest and Money. Paperback ed., Macmillan, 1961.

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 macroeconomic 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.

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.
- 15.301 Comparative Economic Systems.
- 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 1966 are given in the Faculty of Commerce Handbook. Students should also note that not all these subjects are necessarily made available each year, and that further enquiries should be made to the School.

15.114 Economics IV

Six hours per week, including tutorial classes.

A survey of advanced economic theory.

The reading matter for this subject 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 organisising 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

Murin, N. L. Psychology. 4th ed., Houghton Mifflin, 1961.

AND

Drever, J. A Dictionary of Psychology. Pelican, 1952.

AND EITHER

Crafts, L. W. et al. Recent Experiments in Psychology. 2nd ed., McGraw-Hill, 1960.

OR

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

REFERENCE BOOKS

Anastasi, A. and Foley, J. P. Differential Psychology. Macmillan, 1949. Humphrey. Psychology Through Experiment. Methuen, 1963.

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

Morgan, C. T. Physiological Psychology. 1964.

Wenger, M. A., Jones, F. N. and Jones, M. H. Physiological Psychology. Constable, 1956.

12.022 Psychology II

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

A second stage in Psychology for Pass Degree students in the Faculty of Arts.

The subject comprises a study of the development and structure of personality and associated practical work and statistics. In the theory lectures, attention is given to the effects of inter-personal relationships at successive stages of development; the influence of hereditary and socio-economic factors upon personality variables; motivation theory within the framework of personality theory; and approaches to the description of personality structure. The Practical work illustrates the lecture course content and extends to practice in interviewing and in the administration and interpretation of personality tests.

TEXT BOOKS Stagner. Psychology of Personality. McGraw-Hill, 1964. Edwards. Statistical Methods for the Behavioural Sciences. Holt, 1954.

12.012 Psychology II (Distinction)

Eight hours per week of lectures and practical work.

This is the second year of Psychology for students in Arts (Distinction).

This subject comprises a study of the development and structure of personality, psychological testing, and associated practical work and statistics. In the theory lectures, attention is given to the effects of inter personal relationships at successive stages of development, the influence of hereditary and socio-economic factors upon personality variables; motivation theory within the framework of personality theory; approaches to the description of personality structure; and the administrative and theoretical aspects of psychological testing. The practical work illustrates the lecture course content and extends to practice in interviewing and in the administration and interpretation of personality and ability tests.

TEXT BOOKS

Stagner. Psychology of Personality. McGraw-Hill, 1964. Anastasi, Psychological Testing. Macmillan, 1961. Edwards. Statistical Methods for the Behavioural Sciences. Holt, 1954.

12.023 Psychology IIIA

Six hours per week of lectures and practical work.

A third course in Psychology for students in Arts (IIIA, Pass) comprising psychological assessment and statistics, and one area of special study. Candidates should plan their required reading and the selection of their special area of study from Groups A and B (see list in 12.033 Psychology) in consultation with the Head of the School of Applied Psychology.

12.033 Psychology IIIA (Distinction)

Eight hours per week of lectures and practical work.

This subject comprises psychological statistics and two areas

of special study. Candidates should plan their required reading and the selection of their special areas of study from the groups listed below in consultation with the Head of the School of Applied Psychology. At least one area must be selected from Group B.

Group	A:-e.g.	Social Psychology, Abnormal Psychology, Abilities and cognition.
Group	B:—e.g.	Learning, Perception, Motivation, Psychometrics.
Group	C:e.g.	Human Factors Engineering, Psychopathology, Child Guidance, Psychological Guidance.

12.034 Psychology IIIB (Distinction)

Eight hours per week of lectures and practical work.

This subject comprises two areas of special study. Candidates should plan their required reading and the selection of their special areas of study from Groups A, B and C (Listed in 12.033 Psychology) in consultation with the Head of the School of Applied Psychology. As a general rule, not more than one area may be selected from Group C.

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 1

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, L. and Selznick, P. Sociology. 3rd ed., Row, Peterson, 1963.
Zelditch, M. A Basic Course in Sociological Statistics. Holt-Dryden, 1959.
Backstrom, C. H. and Hursh, G. D. Survey Research. Northwestern University Press, 1963.

53.112 Sociology II

A course of 90 lectures plus tutorials.

The course will be centred on a study of society with particular emphasis on the nature of social 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 methods of sociological research applicable to these areas will be dealt with in connection with the application of the principles of statistical inference.

Section A: Social 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.

Examples of institutional behaviour will be studied, drawing from topics such as the sociology of the family, education, religion, science, industry.

Section B: Social Structure and Personality

This section will cover a detailed examination of the relation between personality and culture and the process of socialization, devoting particular attention to the effect of institutions on the continuing socialization of developing individual, and the successful functioning of institutions in relation to the prevailing social structure.

Section C: Sociological Research

Methods of sociological research applicable to the study of institutions and the socialization process will be studied, together with the application of appropriate statistical methods. Special attention will be paid to problems of small group research.

TEXT BOOKS

Toby, J. Contemporary Society. Wiley, 1964.

- Cohen, Y. A. Social Structure and Personality. Holt, Rinehart and Winston. 1961.
- Goode, W. J. and Hatt, P. K. Methods in Social Research. McGraw-Hill, 1952.

Olmsted, M. S. The Small Group. Random House, 1959.

Zelditch. A Basic Course in Sociological Statistics. Holt-Dryden, 1959.

REFERENCE BOOKS

Firth. Elements of Social Organisation. 3rd ed. Watts, 1961.

Feibleman. The Institutions of Society.

Rose, A. (ed.). The Institutions of Advanced Societies. Minnesota University Press, 1958.

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

Coser and Rosenberg. Sociological Theory: A Book of Readings. Macmillan. Martindale, D. A. The Nature and Types of Sociology Theory. Rout-

- ledge and Kegan Paul.
- Blalock, H. M. Social Statistics. McGraw-Hill, 1960.
- Selltiz, C., Jahoda, M., Deutsch, M. and Cook, S. W. Research Methods in Social Relations. Revised ed., Holt-Dryden, 1959.

REFERENCE BOOKS

Gibbs, J. P. Urban Research Methods. Van Nostrand, 1961.

- Zimmern, A. The Greek Commonwealth. Oxford Paperback.
- Huizinga, J. The Waning of the Middle Ages. Pelican.
- Thomson, D. Europe Since Napoleon, Longmans.

Bury, J. B. The Idea of Progress. Dover.

Hofstadter, R. Social Darwinism in American Thought. Beacon Press.

Bottomore and Rubel, Karl Marx: Selected Writings in Sociology and Social Philosophy. Pelican.

Durkheim, E. The Division of Labor in Society. Free Press.

Gerth and Mills. From Max Weber: Essays in Sociology. Routledge and Kegan Paul.

Bendix, R. Max Weber: An Intellectual Portrait. Doubleday.

- Mannheim, K. Ideology and Utopia. Routledge and Kegan Paul.
- Parsons, T. and Shils, E. Toward a General Theory of Action. Harvard U.P.

Parsons, T. et al. Theories of Society. Free Press.

Merton, R. K. Social Theory and Social Structure. Free Press.

Homans, G. C. The Human Group. Routledge and Kegan Paul.

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 fields such as 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 divides into three parts as follows:
- 1. A study of some Dialogues of Plato, with special reference to problems of knowledge, reality, virtue and the immortality of the soul.

2. The search for certainty in Descartes, Locke, Berkeley, Russell, Moore, Ayer and Austin, with special reference to the theory of knowledge and to religious belief.

3. An investigation of the structure of arguments, formal and informal, and of the foundations of scientific knowledge.

TEXT BOOKS

Wollheim, R. Hume on Religion. Fontana.

- Berkeley, G. Three Dialogues Between Hylas and Philonous (with New Theory of Vision, etc., Everyman; or other suitable edition).
- Hamblin, C. L. Elementary Formal Logic—A Programmed Course. Hicks Smith.
- Hospers, J. Introduction to Philosophical Analysis. Routledge and Kegan Paul.

Either

Salmon, W. C. Logic. Prentice Hall.

or

Keene, G. B. Language and Reasoning. van Nostrand.

Guthrie (trans.). Plato: Protagoras and Meno. Penguin classics.

Tredennick (trans.). Plato: The Last Days of Socrates. Penguin classics.

REFERENCE BOOKS

- Hook, S. Determinism and Freedom in the Age of Modern Science. Collier.
- Smart, N. Philosophers and Religious Truth. S.C.M.

Copi, I. M. Introduction to Logic. Macmillan.

Warnock, Mary. Ethics Since 1900. Oxford, H.U.L.

Moore, G. E. Ethics. Oxford, H.U.L.

Popkin, R. H. History of Scepticism from Erasmus to Descartes. Van Gorken.

Russell, B. Problems of Philosophy. Oxford, H.U.L.

Austin, J. L. Sense and Sensibilia. Oxford.

Anscombe, G. E. M. and Geach, P. T. (eds.). Descarte's Philosophical Writings. Nelson.

Coplestone, F. C. Contemporary Philosophy. Burns and Oates.

Ryle, G. Concept of Mind. Hutchinson; Penguin.

Hook, S. Dimensions of Mind. Collier.

Vesey, G. N. A. Body and Mind. Allen and Unwin.

52.112 Philosophy II (Pass)

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

equal content. Sections A and B are common for all students. Under Section C the student selects one of two options.

Section A: 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 B: A course in formal logic, building on the foundations laid in the first year course. Attention will be given to the bearings of formal logic on some traditional philosophical problems.

Section C, Option I: Greek philosophy. A study of the principal issues in the work of the Greek philosophers from Thales to Aristotle.

Section C, Option II: The nature of empirical knowledge. The criteria of truth of empirical statements, with special reference to Logical Positivism and the work of Karl Popper; counterfactual statements; the logic of statements describing scientific laws; the paradoxes of confirmation.

Section C, Option III: The problem of free will and determinism, and problems related to it.

TEXT BOOKS

Section A

- Berkeley, G. New Theory of Vision, and Other Writings. Everyman.
- Hume, D. Treatise of Human Nature, 2 vols. Everyman.
- Ayer, A. J. Language, Truth and Logic. Gollancz.
- Ayer, A. J. The Problem of Knowledge. Pelican.

Section C, Option III

Bunge, M. Causality: The Place of the Causal Principle in Modern Science. Meridian.

Either

Hook, S. Determinism and Freedom in the Age of Modern Science. Collier.

or

Morgenbesser, S. and Walsh, J. Free Will. Prentice Hall.

REFERENCE BOOKS

Section A:

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.

Section B:

Copi, I. M. Symbolic Logic. Macmillan.

Quine, W. V. Mathematical Logic. Harvard, also Harper Torchbook.

Quine, W. V. Methods of Logic. Routledge and Kegan Paul.

Prior, A. N. Formal Logic. 2nd ed., Oxford.

- Section C. Option I:
- Burnet, J. Early Greek Philosophy. 4th ed., Black,
- Burnet, J. Greek Philosophy, Thales to Plato. Macmillan.
- Kirk, G. S. and Raven, J. E. The Pre-Socratic Philosophers. Cambridge.
- Crombie, I. M. An Examination of Plato's Doctrines, Vol. 2. Routledge and Kegan Paul.
- Cornford, F. M. Plato and Parmenides. Routledge and Kegan Paul.
- Cornford, F. M. Plato's Theory of Knowledge. Routledge and Kegan Paul. Ross, W. D. Plato's Theory of Ideas. Oxford.
- Ross, W. D. Aristotle's Metaphysics: The Text with Introduction and Notes. Oxford.
- Cherniss, H. Aristotle's Criticism of Plato and the Academy. Johns Hopkins Press.
- Cherniss, H. Aristotle's Criticism of Pre-Socratic Philosophy. Johns Hopkins Press.
- Section C, Option II:
- Toulmin, S. The Philosophy of Science. Hutchinson, 1953. (Also Grey Arrow Paperback.)
- Popper, K. R. The Logic of Scientific Discovery. Hutchinson, 1959, and later.
- von Wright, G. H. The Logical Problem of Induction. Blackwell, 1957. Kneale, W. Probability and Induction. Oxford, 1959.
- Feigl, H., and Sellars, W. Readings in Philosophical Analysis, Appleton-Century-Crofts, 1949.
- Feigl, H., and Brodbeck, H. Readings in The Philosophy of Science. Appleton-Century-Crofts, 1953.
- Goodman, N. Fact, Fiction and Forecast. Athlone, 1954.
- Popper, K. R. Conjectures and Refutations. Routledge & Kegan Paul, 1963.
- Strawson, P. F. Introduction to Logical Theory. Methuen, 1952.
- Scheffler, I. Anatomy of Inquiry. Knopf.
- Pap, A. Introduction to Logic and Scientific Method. Free Press of Glencoe.
- Campbell, N. R. What is Science? Dover.
- Harre, R. Introduction to the Logic of the Sciences. Macmillan.
- Section C Option III
- Hook, S. Determination and Freedom in the Age of Modern Science. Collier.

Morgenbesser, S. and Walsh, J. Free Will. Prentice Hall.

Further references to be given in class.

52.122 Philosophy II (Distinction)

The course consists of the material set out for the course 52.112 Philosophy II (Pass), two options of Section C being taken. In addition a series of seminars will be arranged in which certain topics will be treated at a more advanced level.

52.113 Philosophy IIIA (Pass)

Two of the following options are to be selected; students should consult the Head of the Department 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 H

Twentieth century British philosophy. The course will centre on the work of Wittgenstein.

Option III

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 IV

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 V

The philosophies of Leibniz and Spinoza.

TEXT BOOKS

Option 1

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

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

Rousseau, J. J. 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.

Option IV

Wilder, R. L. Introduction to the Foundations of Mathematics. Wiley.

Quine, W. V. Mathematical Logic. Harper Torchbook.

Option V

- Spinoza, B. Ethics and On the Improvement of the Understanding. Both available in Works of Spinoza (trans. R. H. M. Elwes). Dover Publications.
- Leibniz, G. W. Selections (ed. Philip P. Wiener). Scribner.

REFERENCE BOOKS

Option 1

- Hare, R. M. Language of Morals. Oxford.
- Flew, A. G. N. (ed.). Logic and Language, 2nd series. Blackwell.
- Stevenson, C. L. Ethics and Language. Yale.
- Sellars & Hospers (eds.). Readings in Ethical Theory. Appleton.

Option II

- Russell, B. Logic and Knowledge (ed. Marsh). Allen and Unwin.
- Anscombe, G. E. M. 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. Later Philosophy of Wittgenstein. Athlone.

Option III

Bosanquet, B. Implication and Linear Inference. Macmillan.

Option IV

- Whitehead, A. N. and Russell, B. Principia Mathematica to *56. Cambridge paperback.
- Russell, B. Introduction to Mathematical Philosophy. Allen and Unwin, Option V
- Spinoza, B. Earlier Philosophical Writings (trans. F. A. Hayes). Library of Liberal Arts.
- Leibniz, G. W. Monadology and Other Writings (ed. R. H. Latta). O.U.P.
- Leibniz, G. W. Discourse on Metaphysics (ed. P. G. Lucas and L. Grint). Manchester U.P.
- Alexander, H. G. (ed.). The Leibniz-Clarke Correspondence. Manchester U.P.
- Hallet, H. F. Spinoza: The Elements of His Philosophy. Athlone Press. Hampshire, S. Spinoza. Pelican.
- Parkinson, H. G. R. Spinoza's Theory of Knowledge. Clarendon. Saw, R. L. The Vindication of Metaphysics. Macmillan.

Saw, R. L. Leibniz. Pelican.

- Joseph, H. W. B. Lectures on the Philosophy of Leibniz. Clarendon.
- Russell, B. A. W. The Philosophy of Leibniz. Allen and Unwin.

52.123 Philosophy IIIA (Distinction)

Two options from the list given under 52.113 Philosophy IIIA (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 consider some of the chief philosophical issues raised by accounts given, from time to time, of the methods of scientific inquiry.

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.

TEXT BOOKS

Option 1:

Smith, N. K. Immanuel Kant's Critique of Pure Reason. Macmillan.

Strawson, P. F. Individuals. University paperback.

REFERENCE BOOKS

Option 1

Bird, G. Kant's Theory of Knowledge. Routledge and Kegan Paul.

Ewing, A. C. 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. Commentary on Kant's Critique of Pure Reason, Macmillan, Weldon, J. D. Introduction to Kant's Critique of Pure Reason. Clarendon. Option II

Minnesota Studies in the Philosophy of Science. Vols. I, II and III.----Vol. I: Feigl, H., Scriven, M. (Eds.). Vol. II: Feigl, H., Scriven, M., Maxwell, G. (Eds.). Vol. III: Feigl, H., Maxwell, G. (Eds.). University of Minnesota Press.

Feigl, H. and Brodbeck, M. (eds.). Readings in the Philosophy of Science. Appleton-Century-Crofts.

Nagel, E., Suppes, P., Tarski, A. Logic, Methodology, and Philosophy of Science. Stanford University Press.

Feigl, H., Maxwell, G. (eds.). Current Issues in the Philosophy of Science. Holt, Rinehart and Winston.

Wiener, P. P. (ed.). Readings in Philosophy of Science. Scribner.

Braithwaite, R. B. Scientific Explanation. Cambridge University Press, Paper-back edition.

Burtt, E. A. The Metaphysical Foundations of Modern Physical Science. Routledge and Kegan Paul.

Campbell, N. R. Foundations of Science. Dover.

Nagel, E. The Structure of Science. Routledge and Kegan Paul.

Pap, A. Introduction to the Philosophy of Science. Free Press of Glencoe.

Woodger, J. H. Biology and Language. Cambridge University Press.

Popper, K. R. The Logic of Scientific Discovery. Basic Books.

Danta, A. and Morgenbesser, S. Philosophy of Science. Meridian Books.

Kuhn, T. S. The Structure of Scientific Revelations. University of Chicago Press.

Ashby, W. R. An Introduction to Cybernetics. Chapman and Hall,

Harre, R. M. Introduction to the Logic of the Sciences. Macmillan, Toulmin, S. E. Philosophy of Science. Hutchinson.

Option III

Armstrong, D. M. Bodily Sensations. Routledge and Kegan Paul.

Hamlyn, D. W. Psychology of Perception. Routledge and Kegan Paul.

Austen, J. L. Sense and Sensibilia. Oxford. Ayer, A. J. Problem of Knowledge. Pelican. Hirst, R. J. Problems of Perception. Allen and Unwin. Malcolm, N. Dreaming. Routledge and Kegan Paul. Wisdom, J. Other Minds. Blackwell.

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).

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 Department of Philosophy, and in addition will be required to take two seminar courses. In 1966, 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 sub-

sidiary 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, meta-physical,
 - (iv) "true" and "The Truth".

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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 and either 10.211 Applied Mathematics II or 10.311 Theory of Statistics I	10.311 Theory of Statis- tics I and 10.111 Pure Mathematics JI
Course II (Distinction)	10.121 Pure Mathematics II (Higher) and either 10.221 Applied Mathematics II (Higher) or 10.321 Theory of Statistics II (Higher)	10.321 Theory of Statis- tics I (Higher) and 10.121 Pure Mathematics II (Higher)
Course IIIA (Pass)	10.112 Pure Mathematics III	10.312 Theory of Statis- tics II
Course IIIA (Distinction)	10.122 Pure Mathematics III (Higher)	10.322 Theory of Statis- tics 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)
Course IV	10.123 Pure Mathematics IV	10.323 Theory of Statis- tics III

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, 3rd ed. Pitman, 1964.

Pedoe, D. A Geometric Introduction to Linear Algebra. Wiley Paperback. Thomas, G. B. Calculus. Addison-Wesley.

REFERENCE BOOKS

Ball, R. W. Principles of Abstract Algebra. Holt, Rinehart and Winston.

Beaumont, R. A. and Pierce. Algebraic Foundations of Mathematics. Addison-Wesley.

Keane, A. and Senior, S. A. Complementary Mathematics. Science Press. McCoy, N. H. Introduction to Modern Algebra. Allyn and Bacon.

Rose, I. H. Algebra: An Introduction to Finite Mathematics. Wiley.

Taylor, H. E. and Wade, T. L. University Freshman Mathematics. Wiley. Whitesitt, J. E. Principles of Modern Algebra. Addison-Wesley.

SUPPLEMENTARY READING LIST

Adler, I. The New Mathematics. Mentor Press.

Allendoerfer and Oakley. Principles of Mathematics. McGraw Hill. Courant and Robbins. What is Mathematics? Oxford University Press. Sawyer, W. W. A Concrete Approach to Abstract Algebra. Freeman. Sawyer, W. W. Prelude to Mathematics. Pelican.

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

Protter, M. H. and Morrey, C. B. Modern Mathematical Analysis. Addison-Wesley.

Churchill, R. V. Introduction to Complex Variables and Applications. McGraw-Hill International Students Edition.

REFERENCE BOOKS

Burkill, J. C. Theory of Ordinary Differential Equations. Oliver and Boyd.

Halmos, P. R. Finite Dimensional Vector Spaces. Van Nostrand.

Pierce, B. O. A Short Table of Integrals. Ginn.

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

Goldberg, R. R. Methods of Real Analysis. Blaisdell.

Estermann, T. Complex Numbers and Functions. Athlone.

Kuiper, N. H. Linear Algebra and Geometry. North Holland.

REFERENCE BOOKS

Artin, E. Geometric Algebra. Interscience.

Birkhoff, C. and Maclane, S. A Survey of Modern Algebra. Macmillan.

Burkill, J. C. Theory of Ordinary Differential Equations. Oliver and Boyd.

Bourbaki, N. Elements de Mathematiques. Hermann.

Hall, D. W. and Spencer, G. L. Elementary Topology. Wiley.

Jacobson, W. Lectures in Abstract Algebra. Vols. I and II. Van Nostrand. Kaplan, W. Advanced Calculus. Addison Wesley.

Nickerson, H. K., Steenrod, N. E. and Spencer, G. L. Advanced Calculus. Van Nostrand.

Van der Waerden, B. L. Modern Algebra. Ungar.

10.112 Pure Mathematics III

A course of 120 houres of lectures and 30 hours of tutorials. Algebra. Differential geometry. Foundations of mathematics. Complex variables, Laplace transform theory. Special

functions. Orthogonal functions.

TEXT BOOKS

Birkhoff, C. and Maclane, S. A Survey of Modern Algebra. Macmillan.

Willmore, J. J. An Introduction to Differential Geometry. Oxford University Press.

Sneddon, I. N. Special Functions of Mathematical Physics and Chemistry. Oliver and Boyd.

Churchill, R. V. Fourier Series and Boundary Value Problems. McGraw-Hill.

REFERENCE BOOKS

Copson, E. T. Theory of Functions of a Complex Variable. Oxford University Press.

Carslaw, H. S. and Jaeger, J. Operational Methods in Applied Mathematics. Dover.

Churchill, R. V. Modern Operational Mathematics in Engineering. McGraw-Hill.

Jacobson, N. Lectures in Abstract Algebra, Vols. I and II. Van Nostrand. Klein, F. Famous Problems in Elementary Geometry. Dover.

Knopp, K. Theory of Functions, Vol 1. and Problem Book, Vol. 1. Dover.

Sneddon, I. N. Elements of Partial Differential Equations. McGraw-Hill.

Van der Waerden, B. L. Modern Alegebra. Ungar.

Young, J. W. A. (Ed.). Monographs on Topics of Modern Mathematics. Dover.

Keane, A. Integral Transforms. Science Press.

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

Berberian, S. K. Measure and Integration. Macmillan.

Hall, M. The Theory of Groups. Macmillan.

Willmore, J. J. An Introduction to Differential Geometry. Oxford.

Hilton, P. J. and Wylie, S. Homology Theory, an Introduction to Algebraic Topology. Cambridge.

Sneddon, I. N. Elements of Partial Differential Equations. McGraw-Hill. Knopp, K. Theory of Functions, Vol. II. Dover.

REFERENCE BOOKS

Bourbaki, N. Elements de Mathematiques. Hermann.

Chevalley, C. Fundamental Concepts of Algebra. Academic Press.

Hodge, W. V. D. and Pedoe, D. Methods of Algebraic Geometry, Vols. I, II and III. Cambridge.

Ince, E. L. Ordinary Differential Equations. Dover.

Kelley, J. L. General Topology. Van Nostrand.

Klein, F. Famous Problems in Elementary Geometry. Dover.

Munroe, M. E. Introduction to Measure and Integration. Addison Wesley.

Young, J. W. A. (Ed.). Monographs on Topics of Modern Mathematics. Dover.

Northcott, D. C. Ideal Theory. Cambridge Math. Tracts.

Titchmarsh, E. C. Theory of Functions. Oxford University Press.

Van der Waerden, B. C. Modern Algebra. Ungar.

Bateman, H. Partial Differential Equations. Cambridge University Press.

Courant, R. and Hilbert, D. Methods of Mathematical Physics. Interscience. Webster, A. C. Partial Differential Equations in Mathematical Physics. Dover.

Semple, J. G., Kneebone, G. T. Algebraic Curves. Clarendon, Oxford. Carmichael, R. D. Theory of Groups of Finite Order. Dover.

Cartan, R. Elementary Theory of Analytic Functions of One and Several Complex Variables. Addison Wesley.

Keane, A. Integral Transforms. Science Press.

10.123 Pure Mathematics IV

A course of 8 lectures per week with supplementary reading, thesis and essay work for students reading for honours in Pure Mathematics, on topics selected from the following analysis, functional analysis, integral transforms, number theory, differential and algebraic geometry, topology general and combinatorial, algebra, differential equations, group representation theory and stochastic processes.

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. Wiley.

Hartree, D. R. Numerical Analysis. Clarendon Press, Oxford.

REFERENCE BOOK

Shilov, G. An Introduction to the Theory of Linear Spaces. Prentice Hall.

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. Wiley.

Hartree, D. R. Numerical Analysis. Clarendon Press, Oxford.

Abraham, M. and Becker, R. Classical Theory of Electricity and Magnetism. Blackie.

REFERENCE BOOK

Shilov, G. An Introduction to the Theory of Linear Spaces. Prentice Hall.

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.

Schiff, L. I. Quantum Mechanics. McGraw Hill.

- Abraham, M. and Becker, R. The Classical Theory of Electricity and Magnetism. Blackie,
- Whittaker, E. T. and Watson, G. N. A Course of Modern Analysis. Cambridge University Press, Paperback.

Keane, A. Integral Transforms. Science Press, Paperback.

REFERENCE BOOKS

Faddeeva, V. N. Computational Methods of Linear Algebra. Dover.

- Schwarzschild, M. Structure and Evolution of the Stars. Princeton University Press.
- Feller, W. An Introduction to Mathematical Probability and its Applications. Wiley.
- 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 Hilbert, 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.
- Landau, L. D. and Lifshitz, E. M. Classical Theory of Fields. Addison-Wesley.
- Bullen, K. E. Introduction to the Theory of Seismology. Cambridge University Press.

Reichel, A. Special Functions. Science Press, Paperback.

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

Moller, C. Theory of Relativity, Clarendon Press, Oxford,

STATISTICS

Students majoring in Theory of Statistics select Mathematics and Statistics courses in accordance with the table set out on page 107.

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

Bross, I. D. J. Design for Decision. Macmillan.

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. New South Wales University Press Ltd.

REFERENCE BOOKS

Anderson, R. L. and Bancroft, T. A. Statistical Theory in Research, McGraw-Hill.

Goldberg, S. Probability: An Introduction. Prentice-Hall.

Mood, A. M. and Graybill, F. A. Introduction to the Theory of Statistics. McGraw-Hill.

Parzen, M. Modern Probability Theory and its Applications. Wiley.

Pearson, E. S. and Hartley, H. O. Biometrika Tables for Statisticians. 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. C. and Cox, G. M. 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.
- Cox, D. R. Planning of Experiments. Wiley.
- Finney, D. J. Statistical Methods for Biological Assay. Griffin.
- Gass, S. R. Linear Programming Methods and Applications. McGraw-Hill.

Kempthorne, O. The Design and Analysis of Experiment. Wiley.

Mood, A. M. and Graybill, F. A. 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.
- 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.
- Fisz, M. Probability Theory and Mathematical Statistics. Wiley.
- Fraser, D. A. S. Non Parametric Methods. Wiley.
- Girshick, M. A. and Blackwell, D. Theory of Games and Statistical Decisions, Wiley.
- Gnedenko, B. V. Theory of Probability. Chelsea.
- Karlin, S. Mathematical Methods and Theory in Games, Programming and Economics. Vol. I. Addison-Wesley.
- Kempthorne, O. The Design and Analysis of Experiment. Wiley.
- Kendall, M. G. A Course in Multivariate Analysis. Griffin.
- 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.
- Savage, L. J. The Foundations of Statistical Inference. Methuen.
- Scheffé, H. The Analysis of Variance. Wiley.
- Takacs, L. Stochastic Processes. Methuen.
- Wald, A. Sequential Analysis. Wiley.
- Wald, A. Statistical Decision Functions. Wiley.

HISTORY AND PHILOSOPHY OF SCIENCE

52.151 History and Philosophy of Science 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. The World of Copernicus. Mentor.

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 Revolutioin. Random House.

Cohen, I. B. The Birth of a New Physics. Heinemann.

Toulmin, S. E. and Goodfield, J. The Fabric of the Heavens. Hutchinson. Students should also possess a copy of

Austin, R. H. (Ed.). Star Chart for Southern Observers, N.S.W. University Press Ltd.

REFERENCE BOOKS

Baker, R. H. Introduction to Astronomy. Van Nostrand.

Bell, A. E. Newtonian Science, Arnold.

Berry, A. A Short History of Astronomy. Dover.

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, 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. Farrington, B. Greek Science. Penguin.

Fath, E. A. Elements of Astronomy, McGraw-Hill,

- Flammarion, E. (trans. Pagel). The Flammarion Book of Astronomy, Allen and Unwin.
- Forbes, R. J. and Dijksterhuis, E. J. A History of Science and Technology. Penguin.

- Galilei, G. (trans. Drake). Dialogue Concerning the Two Chief World Systems. Univ. of California.
- Heath, Sir Thomas. Aristarchus of Samos. Oxford.
- 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; also Penguin.
- Koyre, A. From the Closed World to the Infinite Universe. Johns Hopkins Univ. Also Harper.
- Lodge, Sir Oliver. Pioneers of Science. Dover.
- Mehlin, T. G. Astronomy, Wiley.
- More, L. T. Isaac Newton. Dover.
- Munitz, M. K. (Ed.). Theories of the Universe. Free Press of Glencoe. Nangle, J. Stars of the Southern Heavens, Angus and Robertson.
- Neugebaur, 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 & Unwin.
- Rogers, E. M. Physics for the Enquiring Mind. Oxford. (Strongly recommended.)
- Rosen, E. Three Copernican Treatises. Dover.
- Rudaux, L. and de Vaucouleurs, 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.
- Walker, M. The Nature of Scientific Thought. Spectrum.
- Students may also need to consult:
- The Astronomical Ephemeris for the Year 1966 (H.M.S.O.).
- The Nautical Almanac for the Year 1966 (H.M.S.O.).
- Norton's Star Atlas and Telescopic Handbook. Gall and Inglis.
- Many articles in the standard *encyclopaedias* will be found useful; so too will the standard short histories of science: e.g.
- Dampier, W. C. History of Science. Cambridge.
- Sarton, G. A Short History of Science. Oxford.
- Singer, C. A Short History of Science. Oxford.

52.152 History and Philosophy of Science II

Three hours weekly throughout the year, with tutorials as arranged. The course consists of two parts: In the first half of the year a course in the history of science from antiquity to 1700 (excluding the subject matter of the H.P.S. 1 course, 52.151). In the second half of the year a course to be selected by the student from a number of options, each dealing with a particular aspect of the development of science after 1700.

First Half-Year

The history of science from antiquity to 1700—excluding astronomy, the Copernican Revolution, and Galilean-Newtonian mechanics, topics already dealt with in H.P.S. I (reference to these topics, and to their central importance in the history of science, is made at many points in the course). The leading cmphasis is on the origins and nature of the scientific enterprise, its cmergence in ancient Greece, its fortunes during the medieval and renaissance periods and its consolidation in the 17th century. Particular attention is given to the non-mathematical sciences (chiefly biology and chemistry) and to their general characteristics, in contrast with those of the mathematical sciences (i.e., astronomy and mechanics). The individual sciences, however, are treated in the context of the scientific movement as a whole.

Second Half-Year

Option 1. The Beginnings of Chemistry. The course begins with a review of the fundamental concepts of chemistry and its early history and goes on to discuss the chemical achievements of the 18th century which culminated in the establishing of the basic theory of chemistry by Lavoisier. In the next stage of development, during the period 1800-1860, attention is concentrated on the varying fortunes of Dalton's atomic theory, its modification by Avogadro, and the eventual acceptance of the atomic-molecular theory. Throughout the course, attention is given to the type of logic and the type of experimentation used in chemistry, and to the influence on chemical theorizing of philosophical ideas, especially metaphysical atomism and positivism.

Option II. The Beginnings of Geology. The course begins with a brief survey of the main ideas about the earth and minerals in antiquity and medieval times. The main body of the course is devoted to the period between the middle of the eighteenth and the middle of the nineteenth centuries, when geology first emerged as a coherent and independent science—and in the process radically changed the world-view of European man by vastly extending his conception of the earth's history and the history of life on earth. Such a change had a great impact on social and religious opinion and on the subsequent course of the descriptive sciences. In particular, it opened the way for the Darwinian revolution in biology. Among the topics considered are — the Neptunist-Vulcanist and Catastrophist-Uniformitarian controversies, the empirical foundations of geological knowledge, the early history of palaeontology and its relevance to evolutionary theory, the impact of geology on Victorian religious thought and the relevance of the geological revolution to modern thought generally.

Option III. The Beginnings of Experimental Biology. The course sets out to examine the growth of experimentation in the biological sciences, with particular reference to developments during the 18th century. Some attention is paid, however, at the beginning of the course to earlier developments, and particular examination is made of the work of Vesalius and Harvey. The major concern is with developments in plant and animal physiology, but other fields are discussed. Some reference is also made to developments in medicine and to the relationships between medicine and biological theory. During the later stages of the course some indication is given of important developments in the evolution of modern experimental biology during the 19th century, culminating in the work of Pasteur and Mendel in the middle of the century. Reference is made throughout the course to original source material.

Option IV. Physics in the Newtonian Era. (Not available in 1966).

Other Options. In special cases, with the approval of the Head of the School, options listed for H.P.S. III (52.153) may be available for students of H.P.S. II.

52.152 History and Philosophy of Science II — First Half-Year. TEXT BOOKS

Hall, A. R. The Scientific Revolution. 2nd ed., Longmans.

- Crombie, A. C. Augustine to Galileo. 2nd eds., Falcon, also Mercury.
- Forbes, R. J. and Dijksterhuis, E. J. A History of Science and Technology. Penguin.
- Farrington, B. Greek Science. Penguin.
- OR

de Santillana, G. The Origins of Scientific Thought. Mentor. OR

Clagett, M. Greek Science in Antiquity. Collier.

REFERENCE BOOKS

Anthony, H. D. Science and its Background. Macmillan.

Boas, M. The Scientific Renaissance. Collins.

Butterfield, H. The Origins of Modern Science. Bell.

Cohen, M. R. and Drabkin, I. E. Source Book in Greek Science. McGraw-Hill.

Conant, J. B. On Understanding Science. Mentor.

Collingwood, R. G. The Idea of Nature. Galaxy O.U.P.

Dampier, W. C. A History of Science. 4th ed., Cambridge.

Derry, T. K. and Williams, T. I. A Short History of Technology. Oxford.

Dijksterhuis, E. J. The Mechanization of the World Picture. Oxford.

Hall, A. R. From Galileo to Newton. Collins.

Hull, L. W. H. History and Philosophy of Science. Longmans.

Frankfort, H. Before Philosophy. Penguin.

Klemm, F. A History of Western Technology. Allen and Unwin.

Mason, S. F. A History of the Sciences. Routledge.

More, L. T. The Life and Work of Robert Boyle. Oxford.

Mumford, L. Technics and Civilization. Routledge.

Pachter, H. M. Paracelsus: Magic into Science. Collier.

Palter, R. M. Toward Modern Science. Noonday.

Randall, J. H. Aristotle, Columbia U.P.

Ritchie, A. D. Studies in the History and Methods of the Sciences. Edinburgh U.P.

Sambursky, S. The Physical World of Late Antiquity. Routledge.

Sambursky, S. The Physical World of the Greeks. Routledge.

Sarton, G. A History of Science. Oxford.

Sarton, G. Six Wings. Men of Science in the Renaissance. Bodley Head. Singer, C. A Short History of Scientific Ideas. Oxford.

Stimson, D. Scientists and Amateurs. A History of the Royal Society. Schuman.

Taylor, F. S. The Alchemists. Heinemann.

Toulmin, S. E. and Goodfield, J. The Architecture of Matter. Hutchinson.

Wightman, W. P. D. The Growth of Scientific Ideas. Oliver and Boyd.

Winter, H. J. J. Eastern Science: An Outline of its Scope and Contribution. Murray.

For the early history of chemistry, geology, and biology, reference can be made to the initial chapters of some of the text books and reference books listed below for Options I, II and III respectively.

52.152 History and Philosophy of Science II — Second Half-Year. OPTION 1 — TEXT BOOKS

No book is prescribed as a text. Extensive notes will be issued in class. OPTION I — REFERENCE BOOKS

Leicester, H. M. The Historical Background of Chemistry. Wiley.

Leicester, H. M. and Klickstein, H. S. A Source Book in Chemistry. McGraw-Hill.

Stillman, J. M. The Story of Alchemy and Early Chemistry. Dover.

Conant, J. B. Harvard Case Histories in Experimental Science. Harvard U.P.

McKie, D. Lavoisier. Constable.

Holmyard, E. J. Makers of Chemistry, Oxford.

Partington, J. R. A Short History of Chemistry. 3rd ed., Macmillan.

Moore, F. J. A History of Chemistry. McGraw-Hill.

OPTION II — TEXT BOOKS

Adams, F. D. The Birth and Development of the Geological Sciences. Dover.

Gillispie, C. C. Genesis and Geology. Harper Torchbooks.

Irvine, W. Apes. Angels and Victorians. Meridian Books.

- Pearl, R. M. Geology, An Introduction to the Principles of Physical Geology. Barnes and Noble.
- **OPTION II REFERENCE BOOKS**

Green, J. C. The Death of Adam. Iowa State U.P.

Mather, K. F. and Mason, S. O. A Source Book in Geology. Harvard. Oakley, K. P. and Muir-Wood, H. N. The Succession of Life through Geological Time. British Museum. Playfair, T. Illustrations of the Huttonian Theory. Dover. Read, H. H. Geology, An Introduction to Earth History. O.U.P.; H.U.L. Simpson, G. L. Life of the Past. Yale Paperbacks. Zumberge, J. H. Elements of Geology. Wiley. OPTION III - TEXT BOOK Rook, A. The Origins and Growth of Biology, Penguin. **OPTION III — REFERENCE BOOKS** Nordenskiold, E. History of Biology. Tudor. Singer, C. History of Biology, 3rd ed., Abelard-Schuman. Bodenheimer, F. S. History of Biology. Dawson. Snyder, E. E. Biology in the Making. Singer, C. and Underwood, E. A Short History of Medicine. Oxford. Castiglioni, A. History of Medicine. Knopf. Hall, T. S. A Source Book in Animal Biology. McGraw-Hill. Singer, C. The Discovery of the Circulation of the Blood. Goodfield, J. The Growth of Scientific Physiology, Hutchinson.

52.162 History and Philosophy of Science II (Distinction)

Five hours weekly throughout the year with seminars as arranged. The course consists of the work prescribed for the Pass course (52.152) with an additional option in the second half of the year and preparatory reading in the first half of the year on the general features and intellectual background of 18th century and early 19th century science. Distinction students will make a special study of the scientific movement during this period and will be expected to set their studies of two individual sciences (in the two options) in the context of the general scientific movement during the period.

52.153 History and Philosophy of Science III

Four hours weekly throughout the year, with seminars as arranged. The course consists of two parts: In the first half of the year a course in the philosophy of science; in the second half of the year a course to be sclected by the student from a number of options.

First Half-Year.

An introduction to some of the major problems in the philosophy of science. Extensive reference is made, by way of illustration, to historical material drawn, as far as possible, from topics discussed in earlier courses. In the early stages of the course attention is paid to basic logical ideas which underlie the subject. The main subdivisions of the course are: (1) The formal statement of theories; (2) Theory and observation; (3) Scientific explanation. A knowledge of logic is not a necessary pre-requisite.

Second Half-Year

The options comprise those listed for the H.P.S. II course (52.152) together with the following. The School reserves the right to withdraw any option selected by an insufficient number of students.

Option I. Selected Topics in the History of Mathematics from Antiquity to the Renaissance. The course traces the development of mathematics in Egypt, Mesopotamia, Greece, medieval Europe, and renaissance Europe. A pass in at least one of the mathematics papers in the Leaving Certificate examination is a necessary pre-requisite.

Option II. Egyptian and Babylonian Mathematics.

The course is based largely on original source material and pays special attention to the methodology both of the ancient mathematicians and of modern students of their work. It is available to selected students only.

Option III. Islamic Science and Technology. An account of the role of Islam in maintaining, extending, and transmitting the science of the ancient world, and of technological developments during the period of Islam's cultural domination.

Option IV. 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. Olber's Paradox and the bearings of the Principles of Relativity are considered. The course concludes with an account of the evolutionary and steady state theories.

Option V. Maps and Map-Making. The course includes an historical and critical study of the bases of geodesy.

Option VI. Relations Between Technology and Science. (Not available in 1966.)

52.153 History and Philosophy of Science III - First Half-Year.

TEXT BOOKS

No book is prescribd as a text. Extensive notes will be issued in class.

REFERENCE BOOKS

- Alexander, P. A Preface to the Logic of Science. Sheed and Ward.
- Blake, R. M., Ducasse, C. J., Madden, E. H. Theories of Scientific Method: The Renaissance Through the Nineteenth Century. Univ. Washington Press.
- Braithwaite, R. B. Scientific Explanation, Harper.
- Burtt, E. A. The Metaphysical Foundations of Modern Physical Science. Routledge and Kegan Paul.
- Campbell, N. R. Foundations of Science. Dover.
- Campbell, N. R. What is Science? Dover.
- Cohen, M. R., Nagel, E. An Introduction to Logic and Scientific Method. Routledge and Kegan Paul.
- Danto, A., Morgenbesser, S. Philosophy of Science. Meridian Books.
- Duhem, P. (trans. Wiener). The Aim and Structure of Physical Theory. Princeton U.P.
- Edge, D. (Ed.), Experiment: A Series of Scientific Case Histories. B.B.C.
- Feigl, H., Brodbeck, M. (Eds.). Readings in the Philosophy of Science. Appleton-Century-Crofts.
- Feigl, H., Maxwell, G. (Eds.). Current Issues in the Philosophy of Science. Holt, Rinehart and Winston.
- Hall, A. R. From Galileo to Newton, 1630-1720. Collins.
- Hanson, N. R. Patterns of Discovery. Cambridge U.P.
- Harre, R. An Introduction to the Logic of the Sciences. Macmillan.
- Hesse, M. B. Forces and Fields. Nelson.
- Nagel, E. The Structure of Science, Routledge and Kegan Paul.
- Hesse, M. B. Models and Analogies in Science. Sheed and Ward.
- Nagel, E., Suppes, P., Tarski, A. (Eds.). Logic, Methodology and Philosophy of Science. Stanford U.P.
- Pap, A. An Introduction to the Philosophy of Science. Free Press of Glencoe.
- Popper, K. R. The Logic of Scientific Discovery. Hutchinson.
- Russell, B. Human Knowledge. Allen and Unwin.
- Stebbing, L. S. A Modern Introduction to Logic. Methuen.
- Strawson, P. F. Introduction to Logical Theory. Methuen.
- Toulmin, S. E. The Philosophy of Science. Arrow Books.
- Wiener, P. P. (Ed.). Readings in Philosophy of Science. Scribner.

52.153 History and Philosophy of Science III — Second Half-Year. OPTION I — TEXT BOOKS

Chiera, E. They Wrote on Clay. Chicago U.P. Edwards, I. E. The Pyramids of Egypt. Penguin. Milliken, E. K. The Cradles of Western Civilization. Harrap.

OPTION I — REFERENCE BOOKS

Neugebauer, D. The Exact Sciences in Antiquity. Harper. Van der Waerden, B. L. Science Awakening. Noordhoff. Sanford, V. A Short History of Mathematics. Harrap. Bell, E. T. Men of Mathematics. Dover.

OPTION II - TEXT BOOKS

Chiera, E. They Wrote on Clay. Chicago U.P. Milliken, E. K. The Cradles of Western Civilization. Harrap. Neugebauer, D. The Exact Sciences in Antiquity. Harper.

Sanford, V. A Short History of Mathematics. Harrap.

Smith, D. E. History of Mathematics, 2 vols. Dover.

OPTION II --- REFERENCE BOOKS

Archibald, R. C. An Outline of the History of Mathematics. American Mathematical Monthly.

Beek, J. Atlas of Mesopotamia. Nelson.

Bell, E. T. Men of Mathematics, 2 vols. Dover.

Chase, A. B. Rhind Mathematical Papyrus. Brown U.P.

Dantzig, T. The Bequest of the Greeks. Scribner.

Neugebauer, O. and Parker, M. Egyptian Astronomical Texts, 3 vols. Lund Humphries.

Neugebauer, O. and Sachs A, J. Mathematical Cuneiform Texts. American Oriental Society.

Van der Waerden, B. L. Science Awakening. Noordhoff.

OPTION III — TEXT BOOK

O'Leary, de L. How Greek Science Passed to the Arabs. Routledge.

OPTION III — REFERENCE BOOKS

Arnold, T. and Guillaume, A. The Legacy of Islam. Oxford U.P.

Browne, E. G. Arabian Medicine. Cambridge U.P.

Holmyard, E. J. The Works of Geber. Dent.

Neugebauer, O. The Exact Sciences in Antiquity. Harper.

Sarton, G. Introduction to the History of Science. Williams and Wilkins. Winter, H. J. J. Eastern Science. Murray.

OPTIONS IV and V

Texts books and reference books will be notified in class.

52.163 History and Philosophy of Science IIIA (Distinction)

Six hours weekly throughout the year, with seminars as arranged. The course consists of the work prescribed for H.P.S. III (52.153) with an additional option or, in the case of candidates for a degree in Combined Special Studies, such other work as may be prescribed. When two options are taken, the choice of options must be approved by the Head of the School. Candidates will be expected to relate their work in the options to relevant sections of their previous studies in the history or the philosophy of science.

52.173 History and Philosophy of Science IIIB (Distinction)

Six hours weekly throughout the year, with seminars as arranged. The course consists of the following three sections.

(i) The History of the Philosophy and Methodology of Science. An examination of different accounts which have been given by scientists and philosophers of the nature of science and of scientific methodology. The course is prefaced by some account of medieval ideas, but mainly deals with the period between 1600 and the early nineteenth century. It is based largely on the original writings of representative scientists and philosophers. Special stress is laid on such factors as—the influence on the development of science of metaphysical and metascientific ideas and presuppositions; the discrepancy between what appears to have been scientists' actual practice and their own conceptions of what they were doing; the relative influence of empiricist and rationalist approaches to science.

(ii) Selected Topics Illustrating the Development of Science in the 19th and early 20th Centuries. Topics to be treated include such topics as—theories of light, the concept of energy, forces and fields, biological evolution, the theory of genetical inheritance.

(iii) Formal Logic and the Philosophy of Science. With special reference to theories of deductive systems, proof, verification, falsification, and the paradoxes that arise in connection with these; also theories of probability.

Text books and reference books will be notified in class.

52.154 History and Philosophy of Science IV (Honours)

The course includes the following:

(i) Lectures and seminars on—the methodology of research in the history of science; the historiography of the history of science; advanced topics in the philosophy of science.

(ii) A study of selected topics in history and philosophy of science which illustrate the inseparability of the historical and philosophical aspects.

(iii) An original investigation to be presented in the form of a thesis.

Text books and reference books will be notified 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

Ference, Lemon and Stephenson. Analytical Experimental Physics.

Students should also provide themselves with the tutorial aid: Curnow. Complementary Physics. New South Wales University Press Ltd.

REFERENCE BOOKS Richards, Sears, Wehr and Zemansky. Modern University Physics. Stephenson. Mechanics and Properties of Matter. Loney. Dynamics. Starling and Woodall. Physics. Svnge 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

- Richtmyer, Kennard and Lauritson. Introduction to Modern Physics. 5th ed.
- Symon. Mechanics. 2nd ed. (Recommended for those proceeding to Physics III.)

OR

Stephenson. Mechanics and Properties of Matter.

Zemansky. Heat and Thermodynamics.

OR

Morse. Thermal Physics.

Bleaney and Bleaney. Electricity and Magnetism.

CHEMISTRY

2.001 Chemistry I

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

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

TEXT BOOKS

Sienko and Plane. Chemistry. McGraw-Hill, 1961.

Glasstone and Lewis. Elements of Physical Chemistry. Macmillan, 1962. English and Cassidy. Principles of Organic Chemistry. McGraw-Hill, 1961. Chemical Data Book. 2nd ed. Wiley.

REFERENCE BOOKS (for preliminary or supplementary reading) C.H.E.M. Study Project. Chemistry, an Experimental Science. Freeman,

C.H.E.M. Study Project. Chemistry, an Experimental Science. Freeman, 1963.

Barrow, Kenney, Lassila, Litle and Thompson. Programmed Supplements for General Chemistry. Vols. I and II. Benjamin, 1963.

Ryschkewitsch. Chemical Bonding and the Geometry of Molecules. Reinhold, 1963.

Vogel. A Textbook of Quantative Inorganic Analysis. Longmans, 1961. Andrews and Kokes. Fundamental Chemistry. Wiley, 1965.

2.002 Chemistry II

Students wishing to take 2.002 Chemistry II are advised to include Mathematics I in their curriculum.

A course of lectures and practical work totalling nine hours per week. The subject matter is divided into four sections, *viz.*, Organic, Physical, Analytical and Inorganic. The lectures in the Physical and Analytical sections are given as a coordinated series.

i. Organic. 42 lectures, together with practical work covering the following topics: aliphatic chemistry, aromatic chemistry, and an introduction to the chemistry or high polymers.

TEXT BOOKS

Morrison and Boyd. Organic Chemistry. Allyn & Bacon, 1960 OR Finar. Organic Chemistry. Vol. I. Longmans, 1963 OR

Roberts and Caserio. Basic Principles of Organic Chemistry. Benjamin, 1964.

AND

Vogel. Elementary Practical Organic Chemistry. Pt. II — Qualitative Organic Anaylsis, Longmans, 1957. OR

Wild. Characterisation of Organic Compounds. Cambridge, 1958. OR Shriner, Fuson and Curtin. Systematic Identification of Organic Compounds. 5th ed. Wiley, 1964.

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.

ii. *Physical.* 42 lectures, together with practical work 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. 8th ed., Longmans.

REFERENCE BOOK

Glasstone, S. Textbook of Physical Chemistry. Van Nostrand or Macmillan.

iii. *Analytical.* 18 lectures, together with practical work covering the 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 BOOK

Brumblay. Quantitative Analysis. New York, Barnes & Noble, 1960.

REFERENCE BOOKS

Laitinen. Chemical Analysis. New York, McGraw-Hill, 1960.

- Willard, Furman and Bricker. Elements of Quantitative Analysis. Princeton, N.J. Van Nostrand, 1956.
- Blaedel and Meloche. Elementary Quantitative Analysis, 2nd ed., N.Y., Harper & Row, 1965. I.S.R. Reprint.

iv. Inorganic. 18 lectures, together with practical work covering the following: co-ordination chemistry and an extension of the work covered in Chemistry I to further selected groups of elements.

TEXT BOOK 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. Cotton and Wilkinson Inorganic Chemistry. Day and Selbin. Theoretical Inorganic Chemistry. Sienko and Plane. Physical Inorganic Chemistry. Basolo and Johnson. Introduction to Co-ordination Chemistry.

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

Simpson, G. G. and Beck, W. S. Life (An Introduction to Biology). 2nd ed., Harcourt Brace & World, Inc., 1965.

Abercrombie, Hickman and Johnson. A Dictionary of Biology. Penguin.

17.301 Botany 1

Variations in the morphology and anatomy of the Angiosperms, and an introduction to Angiosperm systematics.

Plant ecology lectures and practical work in the field and laboratory dealing with the nature, measurement and interrelationships 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.

An introduction to genetics.

Practical work to illustrate the course; obligatory field excursions.

TEXT BOOKS

Eames and McDaniel. Introduction to Plant Anatomy. OR

Esau. Anatomy of Seed Plants.

Oosting. The Study of Plant Communities.

Bonner and Golston. Principles of Plant Physiology.

Srb and Owen. General Genetics.

Beadle, Evans and Carolin. Handbook of the Vascular Plants of the Sydney District and Blue Mountains.

Mcyer, B. S., Anderson, D. B. and Bohning, R. H. Introduction to Plant Physiology.

17.401 Zoology I

A comparative study of the major invertebrate phyla. Ecology Animal behaviour. Systematics. Quantitative Zoology.

Obligatory field excursions.

TEXT BOOKS

Andrewartha. Introduction to the Study of Animal Populations. London, Methuen, 1961.

Barnes. Invertebrate Zoology. Saunders, 1963.

Simpson, Roe and Lewontin. Quantitative Zoology. New York, Harcourt Brace, 1960.

Thorpe. Learning and Instinct in Animals. London, Methuen, 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 an 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 & Co., London, 1962.

OR*

Holmes, A. Principles of Physical Geology. Thos. Nelson & Sons, London. Read, H. H. Rutley's Elements of Mineralogy. Murby, London.

McElroy, C. T. Explanatory Notes to accompany the Sydney 4-mile Geological Map (with map). Bureau of Mineral Resources, Canberra,

REFERENCE BOOKS

Ford, E. Dana's Textbook of Mineralogy. Wiley.

Dunbar, C. O. Historical Geology. Wiley.

Holmes, A. Principles of Physical Geology.

Read, H. H. Rutley's Elements of Geology.

Longwell, C. R. and Flint R. F. Introduction to Physical Geology. Wiley. 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) Palaeontology as given in 25.512 Geology II, 1 lecture and 1 hour laboratory per week (3 terms).
- (b) Stratigraphy—as given in 25.512 Geology II, 1 lecture per week (3 terms).
- (c) Geomorphology and Photogeology.
- (d) Hand specimen Mineralogy and Petrology.

(c) and (d) each have two hours' lecture/laboratory per week for approximately two terms.

Palaeontology

Systematic classification of the Invertebrate phyla with detailed morphological study of their important divisions. Introduction to the principles of palaeontology and its stratigraphic applications. Introduction to palaeobotany and vertebrate palaeontology.

Practical work: Examination and diagnostic description of representative fossils from the various phyla and study of their stratigraphical distribution.

Stratigraphy

Geological mapping. The stratigraphic column. Principles of stratigraphy, including related structural aspects. Sedimentary environments, processes and products. A general account of the stratigraphy of Australia, and a more specific and detailed study of the geology of New South Wales.

^{*} The latter two books are recommended for Arts Students.

Practical work: Field work to illustrate the above will be held during the year, attendance at which is compulsory. This includes one excursion of approximately one week and at least one short excursion. Mapping exercises in the laboratory and the field.

Geomorphology and Photogeology

The principles of geomorphology and landscape development. The geomorphology of New South Wales. Principles of photogeology and of photo-interpretation.

Practical work: Geomorphological and photogeological exercises will be carried out in the laboratory and during the one week field excursion.

Hand specimen Mineralogy and Petrology

This is essentially a practical course which includes the classification and properties of mineral families. Special attention is given to the commoner rock-forming minerals and economically important ores found in New South Wales. Hand specimen classification and recognition of igneous, sedimentary and metamorphic rocks, particularly those occurring in New South Wales. Demonstration of the use of micropetrological apparatus.

Palaeontology

TEXT BOOKS

- Moore, R. C., Lalicker, C. G. and Fischer, A. G. Invertebrate Fossils. McGraw-Hill. 1952. OR
- Beerbower, R. Search for the Past. Prentice-Hall, 1960.

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 Palaeohotany. McGraw-Hill. 1947.

Stratigraphy

TEXT BOOKS

Krumbein, H. C. and Sloss, L. L. Stratigraphy and Sedimentation. 2nd ed. REFERENCE BOOKS

Kucnen, P. 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.

General reading for section (c) and (d) will include Drury, G. H. The Face of the Earth, Pelican.

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.

ENROLMENT PROCEDURE

Applications for admission to the course should be made on the prescribed form (UE 10), which must be lodged with the Registrar by Monday, 7th February, 1966. Students will be notified by letter whether they are eligible to enrol and will be required to complete their enrolment at the office of the School of Librarianship on Friday, 4th March, 1966, between 2 p.m. to 5 p.m., or 6 p.m. to 8 p.m.

FEES

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 24-28. 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

Other Fees

See (ii)-(vi) as for undergraduate courses. See page 25.

Late Fees

As for undergraduate courses. See pages 25-26.

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 <i>five</i> of the following:	
55.211	Library History, Provision and Government	1
55.221	Library Organization	. 1
55.311	Book Production	1
55.514	Specialised Reference Work and Aids to Research	:
	Humanities	1
55.515	Specialied Reference Work and Aids to Research	:
	Social Sciences	
55.516	Specialised Reference Work and Aids to Research	:
	Natural Sciences and Technology	1
55.517	Specialised Reference Work and Aids to Research	:
	Government Publications	1
55.521	Circulation, Co-operation and Reader Relations	1
55.611	Archives and Official Publications	1
55.621	Special Materials	
55.641	Archives, History and Theory	1
55.642	Archives Practice	1
55.643	Records Management	1
55.701	Public Libraries	. 1
55.702	University and College Libraries	1
55.703	Special Libraries	. 1
55.704	National, State and Local Collections, with Specia	l
	Reference to Australia	1
55.711	Children's Libraries	1
55 721	Children's Literature	1

- Notes: 1. All the optional subjects are not necessarily offered in the same year.
 - 2. Students taking three courses in Archives (55.641, 55.642 and 55.643) may take an additional optional subject in place of 55.321 Book Acquisition.
 - 3. Not more than two courses in Specialised Reference Work and Aids to Research (55.514, 55.515, 55.516 and 55.517) shall be counted towards the Diploma.
 - 4. In addition to the required subjects the candidate is required by the Head of the School to complete a general assignment (55.991) and to satisfy in practical work (55.992).

The course can be completed in one year of full-time attendance and in more than one year of part-time attendance.

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

Esdaile, A. National Libraries of the World. 2nd ed. Lond. (L.A.), 1957. Hessel, A. History of Libraries. Washington, Scarecrow Press, 1950. McColvin, L. R. Public Libraries in Australia, Melb. M.U.P., 1947. Munn, R. and Pitt, E. R. Australian Libraries. Melb., A.C.E.R., 1935.

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, organisation of processing and service departments: acquisition, cataloguing and classi-fying, lending and reference.

REFERENCE BOOKS

Brown, J. D. Manual of Library Economy. 7th ed. Lond., Grafton. 1961. Galvin, H. R. Small Public Library Building. Paris, Unesco, 1959.

Tauber, M. F. Technical Services in Libraries. NY, Columbia UP, 1958.

Thompson, A., Library Buildings of Britain and Europe. Lond., Butterworths, 1963.

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 bookselling, 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.

Updike, 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.

Wulfekoetter, G. Acquisition Work. Seattle, University of Washington Press, 1961.

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; alphabetico-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.)

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.

Phillips, W. H. Primer of Book Classification. 5th ed., Lond., A.A.L., 1961.

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 organisation 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.
- Rowland, A. R. Reference Services. Hamden Shoe String Press, 1964.
- Shores, L. Basic Reference Sources. Chic. A.L.A., 1959.
- Walford, A. J. Guide to Reference Material (with supp.). Lond., Library Association, 1959-63.
- Winchell, C. N. Guide to Reference Books (with supp.). Chic., A.L.A., 1951.
- 55.514 Specialised Reference Work and Aids to Research: Humanities.
- 55.515 Specialised Reference Work and Aids to Research: Social Sciences.
- 55.516 Specialised Reference Work and Aids to Research: Natural Sciences and Technology.
- 55.517 Specialised Reference Work and Aids to Research: Government Publications.

Optional courses of 30 hours of lectures and practical work. Collections and collection building, catalogues, indexes, classifications, comprehensive reference works, primary and secondary sources, literature searching and reports.

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.
- Aust. Parliament. Parliamentary and Government Publications. Reports from the Joint Select Committee, Canberra (Commonwealth Government Printer), 1964.

55.621 Special Materials

An optional course of 30 hours of lectures and practical work. Acquisition, organisation, housing, conservation and use of special materials: manuscripts, maps, music, pamphlets, moving pictures, filmstrips, micro-copies, illustrations, disc and tape re-

REFERENCE BOOKS

cordings, etc.

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.
- Currall, H. F. J. Gramophone Record Libraries: Their Organisation and Practice. Lond., Lockwood, 1963.
- 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).
55.641 Archives, History and Theory

An optional course of 30 hours of lectures and practical work.

Archives history, definition, institutional relations, and uses in public administration, the law and historical studies.

55.642 Archives Practice

An optional course of 30 hours of lectures and practical work. Archives, legislation, administration, organisation, preservation, services.

55.643 Records Management

An optional course of 30 hours of lectures and practical work.

Management of current records, especially in relation to archival preservation.

55.701 Public Libraries

An optional course of 30 hours of lectures and practical work.

Local, provincial and national public libraries, with emphasis on the local public library. Social purposes, provision, administration, organisation, services given and received, co-operation.

55.702 University and College Libraries

An optional course of 30 hours of lectures and practical work.

University and college library administration, organisation, book selection, acquisition, cataloguing, services, intra and extra university and college relations.

REFERENCE BOOKS

Association of University Teachers. The University Library. Association of University Teachers, London, 1964.

Brough, K. J. Scholar's Workshop. University of Illinois Press. Urbana, 1953.

Lyle, G. R. The Administration of the College Library, H. W. Wilson Co., 3rd ed., N.Y., 1961.

Sheehan, H. The Small College Library. The Newman Press, Westminster, Maryland, 1963.

Wilson, L. R. and Tauber, M. R. The University Library. C.U.P., N.Y., 2nd ed., 1956.

Woledge, G. and Page, B. S. A Manual of University and College Library Practice, London, The Library Association, 1940.

55.703 Special Libraries

An optional course of 30 hours of lectures and practical work.

Special library subject specialisation, provision, administration. documentation, services, intra and extra institutional relations.

55.704 National, State and Local Collections, with Special Reference to Australia

An optional course of 30 hours of lectures and practical work.

Collections of material of localised interest, their history, provision, administration, organisation, scope, services and relations, jnöluding relations with archives.

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) Organisation 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

Gross, E. H. Children's Service in Public Libraries; Organisation and Administration. Chic., A.L.A., 1963.

Henne, F. Youth, Communication and Libraries. Chic., A.L.A., 1949.

McColvin, L. R. Public Library Services for Children. Paris, Unesco, 1957. 55 721 Children's Literature

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.

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