FACULTY OF ECONOMICS AND COMMERCE

HANDBOOK 1975

THE UNIVERSITY OF NEWCASTLE
NEW SOUTH WALES 2308

Telephone — Newcastle 68 0401

One Dollar
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Faculty of Economics and Commerce

The colour band on the spine of this Handbook is the lining colour of the hood worn by Bachelors of Commerce of this University.

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**Faculty of Economics and Commerce**

**Dean**
Professor M. O. Jager

**Sub-Dean**
W. C. Dunlop

**Faculty Secretary**
F. C. Hawkins

**Faculty Attendant**
N. Allen

**Heads of Departments**

**Commerce**
Professor M. O. Jager

**Economics**
Professor B. L. Johns

**Legal Studies**
Professor K. E. Lindgren

**Telephone Enquiries**

The University telephone number is Newcastle 68 0401

**1975 Enrolments**

Telephone enquiries regarding enrolment in 1975 in the Faculty of Economics and Commerce should be directed to Mr. F. C. Hawkins, Faculty Secretary, extension 565 or dial 68 5565.

**COMMERCE**

**Professors**

R. L. Watts, BCom; MBA, PhD(Chicago), ACA (*Head of Department*)

M. O. Jager, BCom(Melbourne), FASA

**Associate Professor**

B. T. Colditz, FASA, ACIS, FTII
Senior Lecturers
E. J. Burke, BCom(New South Wales), MA(Leeds), AASA
R. W. Gibbons, BCom(Queensland), ACA
M. E. Spautz, MA, PhD(California (Los Angeles))
R. B. Taylor, BCom; DipPubAd(Sydney), AASA(Senior)

Lecturers
I. R. Beaman, BSc(New South Wales), DipIndEng
R. J. Craig, BCom, AASA
J. C. Dyer, BS, BA(Rockhurst), MS(Kansas), AASA
D. M. Gilling, BCom, MCA(Victoria University of Wellington),
ACA(NZ)
D. S. Karpin, BCom(New South Wales), AASA
D. J. McKee, BEc(Sydney), AASA
W. Motyka, BCom(New South Wales), AASA(Prov)
B. P. O'Shea, BCom(New South Wales), AASA
G. F. Rooney, BCom, AASA(Senior)
I. G. Wallschutzky, BCom, DipBusStud, AASA

Senior Tutors
P. J. Best, BCom(Queensland)
G. R. Dowling, BCom, DipBusStud, AASA(Senior)
M. J. Tippett, BCom

Tutor
Y. L. Yousef, BCom(Ein Shams), MBA(New York), HDipMan,
HDipMark, HDipCot & StExch(Ein Shams), HDipTax(Alex-
andria)

Part-time Tutors
O. S. Armstrong, BCom
Ellen M. Braye, BCom
L. A. Brien, BCom
L. J. Caldwell, BCom, AASA(Senior), ACIS
K. A. Daven, BCom
D. R. Forsythe, BCom
K. M. Graham, BCom, AASA, ACIS
S. J. Hayward, BCom
E. Hokin, BCom, AASA, ACIS
S. E. D. Jolly, BCom, AASA(Senior), ACIS
G. J. Leonard, BCom, FCA
H. Lunney, AASA, ACIS
G. T. McCosker, BCom
H. S. McKensey, BCom, ACA
G. Mitchell, BCom, AASA, ACIS
D. R. Zimmerman, BCom
M. J. Zugai, BCom

Departmental Office Staff
Shirley A. McIlroy
Lynne S. Turner
L. R. Bartlett

ECONOMICS

Professors
B. L. Johns, MA(Cambridge) (Head of Department)
C. A. Tisdell, BCom(New South Wales), PhD(Australian National)

Associate Professor
B. L. J. Gordon, MEc(Sydney), PhD

Senior Lecturers
C. J. Aislabie, MEc(Sydney), PhD(London)
S. N. Jacobi, AB(Princeton), MA(South Carolina)
R. W. McShane, BA(New England), MA(Alberta)
W. J. Sheehan, BEc(Sydney), MA
P. W. Sherwood, BCom(London)

Lecturers
J. C. de Castro Lopo, MA(Wisconsin)
N. J. Dickinson, BCom(New South Wales)
J. A. Doeleman, DRS(Nederlandse Économische Hogeschool,
Rotterdam)
E. J. Douglas, MCom; PhD(Simon Fraser)
W. C. Dunlop, BA(Auckland), MCom
J. R. Fisher, BA, PhD(Hull)
Information for New Undergraduates

Students entering the University for the first time may find some of the arrangements different from anything experienced hitherto. However, it is important for the student to make himself or herself familiar with the methods of organisation used in the University and the degree courses available. The following reference books will be useful — (1) the University Calendar; this contains all the formal information about the by-laws and regulations governing courses and general organisation; and (2) the Faculty Handbooks: these are issued by each faculty and provide information about degree and subject requirements. Some subjects (e.g., Mathematics, Economics, Psychology) may be taken for more than one degree. Hence students should be sure that they have selected the correct faculty for the type of studies they wish to undertake.

It will be noted that students are free to select from an extensive range of subjects offered in the Faculty of Economics and Commerce and in other Faculties of the University provided the constraints and prerequisite conditions stipulated in the degree requirements are complied with. Advice regarding the degree structure will be issued to students before enrolment, and provision will be made for academic advice to be available to students throughout their course.

Many students do not finally decide their chosen field of interest until after the first year of study. However, all students have to make a choice of subjects and the choice should be made in the light of the probable direction of their later interests and studies. In particular, students who expect to pursue an interest in Industrial Relations should consider including Psychology I and Legal Studies I in their programme. Students who intend to pursue an interest in Accounting are also advised to enrol in Legal Studies I early in their programme.

In order to graduate with a Bachelor of Commerce degree, all students have to pass the four subjects Microeconomics, Economic Statistics I, Accounting I and Macroeconomics. It is necessary to pass Microeconomics before enrolling in any other Economics subject with the exception of Economic History I and Economic Statistics I. A pass in Accounting I is a general prerequisite for subsequent Accounting subjects. A pass in Legal Studies I is a general prerequisite for subsequent Legal Studies subjects.

For part-time students a significant feature of the degree requirements is the number of subjects to be attempted each year. Attention is drawn particularly to conditions 7 & 8 of the Schedule A of the Requirements (see page 16), the effect of which is to limit the number of subjects which may normally be taken by a part-time student to a maximum of three in each year, or not more than two when these subjects are from Group C.
It would be generally unwise for a student to attempt more subjects during the year even where time to attend lectures during the day is granted by employers. Students enrolling in subjects and then finding the demands of their employment too much may have to seek special permission to withdraw from a subject if it is not to be recorded as a failure. Where students feel that their time does not permit a full subject load for a year they are advised to limit their enrolment to a smaller number of subjects. Part-time students who are unable to attend the University during the day are especially advised that they are expected to plan for a minimum of six years for the part-time degree course.

Students requiring advice should seek help from members of the Faculty or the Senior Student Counsellor, Mr. A. T. P. Loftus. Enquiries about enrolment procedures should be directed to the Faculty Secretary, Mr. F. C. Hawkins, or to the Sub-Dean.

**Professional Recognition**

The Australian Society of Accountants will exempt from the qualifying examination of the Society graduates of the University of Newcastle who hold the Bachelor of Commerce degree and who have included certain specified subjects in their degree programme. The Institute of Chartered Accountants in Australia and the Institute of Chartered Secretaries and Administrators also grant exemption from certain examinations for passes in particular subjects in the degree course or in the Diploma in Business Studies.

Registration as a registered public accountant under the Public Accountants Registration Act, 1945 (N.S.W.) is also available to graduates who have included specified subjects in their Bachelor of Commerce degree programme.

A pass in the subject of Taxation is accepted as a prerequisite for registration as a tax agent by the Tax Agents' Board (N.S.W.)

Examination requirements for advancement to Senior Associate status in the Australian Society of Accountants may be satisfied by including certain subjects in the Diploma in Business Studies, the Bachelor of Commerce (Honours) degree or the Master of Commerce.

Particulars of these various exemptions are set out on notice boards in the Department of Commerce.

Further enquiries and eventual applications for exemption should be directed to the professional associations concerned.

**Advisory Prerequisite for Entry to the Faculty**

In addition to satisfying the matriculation requirements of the University, candidates applying for entry to the Faculty of Economics and Commerce are advised that a pass in Mathematics at the New South Wales Higher School Certificate Examination at least at the second level of the short course or an examination at an equivalent standard in Mathematics is advisable.

Candidates should note that there is no other advisory prerequisite for entry to the Faculty of Economics and Commerce. It is not necessary for candidates applying for entry to have previously studied either Economics, Accounting or Legal Studies.

**Student Participation in University Affairs**

Provision is made for students to be elected as representatives to departmental meetings in the Departments of Economics, Commerce, and Legal Studies, to the Faculty Board, Faculty of Economics and Commerce as well as to other university bodies. Elections of representatives usually take place early in the first term and students should watch Department notice boards for details of Student Representative Elections.

**Student Academic Progress**

All students are reminded of the need to maintain satisfactory progress and, in particular, attention is drawn to By-laws 5.4.1. and 5.4.2. (refer to the General Supplement supplied with this Handbook). The following points on Faculty Board policy should also be borne in mind.

1. The Faculty Board in terms of By-law 5.4.1.2 requires that students shall pass at least one subject in their first year of full-time attendance or in their first two years of part-time attendance.

Students who fail to meet this requirement shall be referred to the Admissions Committee with a recommendation that they be excluded from the Faculty or from the University.

2. For the purposes of By-law 5.4.2.2. the Faculty Board has determined that at least four subjects be passed at the end of the first two years of full-time attendance or at least five subjects be passed at the end of the first four years of part-time attendance.

3. Faculty Board has further decided in terms of By-law 5.4.1.2. that if in any year following the completion of two years full-time attendance or four years part-time attendance, a student's academic record, since enrolment, includes more failures than passes, then the progress of that student shall be reviewed by the Faculty Board which may determine that such a student shall:
(a) be permitted to re-enrol only in such subject or subjects as the Faculty Board shall specify

OR

(b) be referred to the Admissions Committee with a recommendation for exclusion from the Faculty or from the University.

For the purposes of this section a failure in a repeated subject shall count as a second failure.

Any student who has been recommended to the Admissions Committee for exclusion will have an opportunity to present a case why he should not be excluded.

**Student Problems**

Students with problems should feel free to approach any member of the Faculty Board for advice and assistance.

Where the problem clearly lies within the area of responsibility of some particular member of the teaching staff, it is useful to discuss the matter with that member first.

Where a student feels reluctant to be personally identified with representations on some particular matter or is uncertain of the proper procedures to be followed, it is suggested that he discuss his problem in the first instance with the student member/s of the Faculty Board.

When problems arise they should be discussed with members of the teaching staff as soon as practicable.

**Assessment of Examination Results**

In normal circumstances no contact may be made by or on behalf of a student with a member of the academic staff on the subject of a student’s examination script(s) between the date of the examination in question and the official publication of results.

**Review of Examination Results**

Examination results may be reviewed for a charge of $8.00 per subject, which is refundable in the event of an error being discovered. **Students are advised that, inter alia, marginal failures are automatically reviewed before publication of results.**

Applications for review must be submitted on the appropriate form together with the prescribed review charge by the date notified in the publication of results.

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**Newcastle University Society of Economics and Commerce Students**

This is the Society designed to cater especially for the interests of students studying Economics. Membership is open to all students and staff. Each year an extensive programme of discussions, lectures by prominent visitors, and social events is organised.

The managing committee of the Society is made up of representatives elected from each group (including first year). Enquiries concerning membership should be directed to the representatives of each group early in first term.
REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF COMMERCE

1. In the Requirements, unless the contrary intention appears, "the Faculty" means the Faculty of Economics and Commerce and "the Faculty Board" means the Faculty Board of the Faculty of Economics and Commerce.

2. The degree of Bachelor of Commerce may be conferred as an ordinary degree or as an honours degree.

3. (a) The Annual Examinations shall normally be held at the end of the third term.
(b) A candidate may be granted a Special Examination in accordance with the provisions of By-law 5.9.3, sections 5, 6 and 7.

4. Except in Accounting IV and Economics IV, the results of successful candidates at Annual and Special Examinations shall be classified: Pass, Credit, Distinction, High Distinction.

5. (a) A candidate may withdraw from a subject or course only by informing the Secretary to the University in writing and the withdrawal shall take effect from the date of receipt of such notification.
(b) A candidate who withdraws from any subject after the sixth Monday in second term shall be deemed to have failed in that subject unless granted permission by the Dean to withdraw without penalty.

6. A graduate or an undergraduate of another university, an approved tertiary institution or of another faculty of the University may be granted standing in recognition of any subject passed in such other university, approved tertiary institution or faculty, on conditions to be determined by the Faculty Board.

7. (a) To complete a subject qualifying towards the degree, hereinafter called a subject, a candidate shall attend such lectures, tutorials, seminars, laboratory classes and field work and submit such written work as the Department concerned shall require.
(b) To pass a subject a candidate shall satisfy the requirements of the previous clause and pass such examinations as the Faculty Board concerned shall require.
(c) Except with the permission of the Faculty Board a subject shall qualify towards a degree for no more than eight years from the year in which it was passed.

* Refer to Conditions for Granting of Standing to Graduates and Undergraduates of other universities, approved tertiary institutions and other faculties of this University.

8. The minimum time for a course qualifying for an ordinary degree is three years except in those cases where candidates are granted standing.

9. (a) Candidates for an honours degree shall pass the prescribed qualifying subjects in not more than five years in the case of the full-time course and not more than eight years in the case of the part-time course from the date of first enrolment in the Faculty. The Faculty Board may vary these provisions.
(b) Honours shall be awarded in:
(i) Economics
(ii) Accounting
(iii) Legal Studies
(c) There shall be three classes of Honours; namely — Class I, Class II, and Class III. Class II shall have two divisions; namely — Division I and Division II.

10. (a) Applicants for admission as candidates for honours shall apply to the Head of the Department concerned at the commencement of their second year of full-time studies or their third year of part-time studies, except that the Faculty Board, on the recommendation of the Head of the Department concerned, may admit a candidate at some later year of enrolment in the degree programme.
(b) Prior to entering Economics IV or Accounting IV candidates for honours must pass all the prescribed subjects at a standard prescribed by the Faculty Board on the recommendation of the Head of the Department concerned.

11. (a) To qualify for the degree a candidate shall pass the subjects selected in conformity with the conditions set out in Schedule A to these Requirements.
(b) The qualifying subjects for the degree shall be those listed in Schedule B to these Requirements.

12. Combined Degree Course
A candidate may complete the Requirements for the Bachelor of Commerce degree in conjunction with another approved degree by completing a combined course approved by the Faculty Board of the Faculty of Economics and Commerce and the other appropriate Faculty Board, provided that:
(i) Admission to a combined course shall normally be at the end of the first year and shall be subject to the approval of the Deans of the two Faculties concerned.

* Details of combined degree courses approved by the Faculty Board are set out on pages 25-31.
(ii) Admission to combined courses will be restricted to students with an average of at least Credit level.

(iii) The Deans of both Faculties, after consultation with the Head(s) of Department(s) concerned, shall certify that the work in the combined degree is no less in quantity and quality than if the two degrees were taken separately.

(iv) An approved combined course shall satisfy the requirements of both degrees.

13. In order to provide for exceptional circumstances arising in particular cases, the Senate, on the recommendation of the Faculty Board, may relax any requirement.

SCHEDULE A

CONDITIONS GOVERNING SELECTION OF SUBJECTS

THE ORDINARY DEGREE—
To qualify for the award of a Bachelor of Commerce degree a candidate shall pass not fewer than 13 subjects selected in accordance with the following conditions:—

1. Microeconomics, Economic Statistics I, Accounting I* and Macroeconomics are compulsory;

2. Not more than five subjects may be selected from the approved Group A subjects;

3. Not fewer than three subjects shall be selected from the approved Group C subjects;

4. A student may not enrol in a Group C subject until he has passed the three compulsory Group A subjects, viz., Microeconomics, Economic Statistics I and Accounting I;

5. Except with the approval of the Dean a full-time student may not enrol in more than five subjects in any one year of the ordinary degree course;

6. Except with the approval of the Dean a full-time student may not enrol in any one year to study in more than four subjects when the programme for that year includes three subjects from Group C;

7. Except with the approval of the Dean, a part-time student may not enrol in more than three subjects in any one year of the ordinary degree course;

8. Except with the approval of the Dean, a part-time student may not enrol in any one year of study in more than two subjects when his programme for that year comprises two subjects from Group C.

* Accounting I is not compulsory for students who have completed the Technical College Commerce Certificate Course.

THE HONOURS DEGREE—ACCOUNTING
A candidate for an honours degree shall:—
(a) complete all the requirements for the ordinary Bachelor of Commerce degree before enrolling in Accounting IV*;
(b) select both Accounting IIA and Accounting IIB;
(c) pass Accounting Seminar I and Accounting Seminar II;
(d) select either Accounting IIA or Accounting IIB, he may not select both;
(e) pass Accounting IV.

A candidate for honours in Accounting is advised to select in either Year I or Year II, Philosophy I as the approved Arts/Science subject.

* A part-time candidate for honours in Accounting may be permitted to undertake Preliminary Studies for Accounting IV prior to completing all the requirements for the ordinary Bachelor of Commerce degree.

THE HONOURS DEGREE—ECONOMICS
A candidate for an honours degree shall:—
(a) complete all the requirements for the ordinary Bachelor of Commerce degree before enrolling in Economics IV;
(b) pass Economic Statistics II or Statistical Analysis before enrolling in Economics IV;
(c) pass two of:
   International Economics
   Public Economics
   Growth and Development;
(d) pass Economics Honours Seminars I and II or such additional work as the Head of the Department may prescribe, before enrolling in Economics IV;
(e) pass Economics IV.

THE HONOURS DEGREE—LEGAL STUDIES
A candidate for an honours degree shall:—
(a) complete all the requirements for the ordinary Bachelor of Commerce degree before enrolling in Legal Studies IV*;
(b) pass Legal Studies II and either Legal Studies III or Industrial Law before enrolling in Legal Studies IV;
(c) pass Legal Studies IV.

* A part-time candidate for honours in Legal Studies may be permitted to undertake preliminary studies for Legal Studies IV prior to completing all the requirements for the ordinary Bachelor of Commerce degree.

EQUIVALENT HONOURS

On the recommendation of a Head of Department in the Faculty, and with the permission of the Dean, a graduate who, in the discipline concerned, has not completed the honours programme either as a full-time or part-time student at this or any other Australian university, may enrol in the honours programme either as a full-time or part-time student.

Such a graduate who has completed all the requirements of the honours programme shall be issued with a statement to this effect by the Secretary to the University; the statement shall indicate the honours level equivalent to the standard achieved by the student in completing the honours programme.

SCHEDULE B

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Group A</th>
<th>Group B</th>
</tr>
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<tbody>
<tr>
<td>Accounting I</td>
<td>Commercial Electronic Data Processing</td>
<td>Accounting IIA</td>
</tr>
<tr>
<td>Economic History I</td>
<td>Economic History II</td>
<td>Accounting IIB</td>
</tr>
<tr>
<td>Economic Statistics I</td>
<td>Economic Statistics II or Statistical Analysis</td>
<td>Economic History II</td>
</tr>
<tr>
<td>Legal Studies I</td>
<td>Industry Economics</td>
<td>Accounting IIA</td>
</tr>
<tr>
<td>Microeconomics</td>
<td>Labour Economics</td>
<td>Accounting IIB</td>
</tr>
<tr>
<td>One approved Arts/Science subject</td>
<td>Legal Studies II</td>
<td>Economic History II</td>
</tr>
<tr>
<td>Mathematics I or an additional approved Arts/Science subject</td>
<td>Economic Statistics II or Statistical Analysis</td>
<td>Accounting IIA</td>
</tr>
<tr>
<td>Group B</td>
<td>Economic History II</td>
<td>Group C</td>
</tr>
<tr>
<td>Economic Statistics II or Statistical Analysis</td>
<td>Account</td>
<td>Accounting IIIA</td>
</tr>
<tr>
<td>Industry Economics</td>
<td>Auditing</td>
<td>Accounting IIIIB</td>
</tr>
<tr>
<td>Labour Economics</td>
<td>Computer Applications and Systems</td>
<td>Auditing</td>
</tr>
<tr>
<td>Legal Studies II</td>
<td>Econometrics I</td>
<td>Computer Applications and Systems</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>Financial Management</td>
<td>Econometrics I</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>Growth and Development</td>
<td>Financial Management</td>
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<td>Organisational Behaviour</td>
<td>History of Economic Thought</td>
<td>Growth and Development</td>
</tr>
<tr>
<td>One approved Arts/Science/ Mathematics subject taken at part/Group 2 level</td>
<td>Industrial Law</td>
<td>History of Economic Thought</td>
</tr>
<tr>
<td>Note</td>
<td>1</td>
<td>Industrial Law</td>
</tr>
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<td>Not all subjects listed in Schedule B will necessarily be offered in any one year.</td>
<td>2</td>
<td>Industrial Law</td>
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<tr>
<td>For the purpose of satisfying the conditions in Schedule A these subjects shall each count as a half-subject.</td>
<td>3</td>
<td>Industrial Law</td>
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<tr>
<td>Candidates who passed the subject Accounting Systems and Computer Applications or Management Studies prior to 1974 will not be permitted to enrol in this subject.</td>
<td>1</td>
<td>Industrial Law</td>
</tr>
<tr>
<td>After the end of first term this subject is separated into the two divisions, Economic Statistics (a) and Economic Statistics (b).</td>
<td>2</td>
<td>Industrial Law</td>
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<tr>
<td>A part/Group 3 level Engineering subject is defined as any six Engineering units chosen from subjects normally taken in the 3rd or 4th year of the full-time Engineering programme.</td>
<td>3</td>
<td>Industrial Law</td>
</tr>
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PREREQUISITE CONDITIONS

Before enrolling in any subject listed in the left hand column below, a candidate shall have passed the subjects listed as prerequisites.

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Marketing
Mathematical Economics
Money and Banking
Public Economics
Sociological Aspects of Management
Theory of Economic Policy

1. A candidate who has not fulfilled the prerequisite requirements may, on the recommendation of the Head of the appropriate Department be permitted by the Dean to enrol concurrently in the prerequisite subject.

2. Advisory Prerequisite.

3. Accounting I is not a prerequisite subject for students who have completed the Technical College Commerce Certificate Course.

4. Candidates who passed the subject Accounting Systems and Computer Applications or Management Studies prior to 1974 will not be permitted to enrol in this subject.

Notes
1. A candidate intending to proceed to Econometrics I is advised to take Statistical Analysis.

2. A candidate wishing to take Mathematical Economics must have his entry approved by the Head of the Department of Economics.

3. Economic Statistics I is a compulsory subject and a prerequisite for Economic Statistics II and Statistical Analysis, except that candidates who have successfully completed Mathematics IIIB Topic H may proceed directly to Economic Statistics II or Statistical Analysis.

CONTENT OF SUBJECTS FROM OTHER FACILITIES

(ARMS/SCIENCE/MATHMATICS SUBJECTS)

Provision is made in the degree Requirements for students to attempt approved Arts or Science or Mathematics subjects. Such subjects are those offered for the degrees of Bachelor of Arts or Bachelor of Science or Bachelor of Mathematics, provided the candidate complies with the requirements of the faculties concerned in relation to entry to the subject.

A list of the approved subject areas is shown below:

Chemistry
Geology

Classics
German

Education
History

Engineering
Mathematics

English
Philosophy

French
Physics

Geography
Psychology

An outline of the content of the appropriate subjects may be obtained from the handbooks of the Faculty of Arts, Science, Mathematics, and Engineering.

CONDITIONS FOR GRANTING OF STANDING TO UNDERGRADUATES AND GRADUATES OF OTHER UNIVERSITIES, APPROVED TERTIARY INSTITUTIONS AND OTHER FACULTIES OF THIS UNIVERSITY

(Under determined by the Faculty Board, Faculty of Economics and Commerce under the powers given to it in Clause 6 of the Requirements for the degree of Bachelor of Commerce)

UNDERGRADUATES

Undergraduates entering the Faculty of Economics and Commerce for the first time

1. The Faculty Board may grant standing to an undergraduate of another university, an approved tertiary institution or of another faculty of the University in recognition of any subject passed in such other university, approved tertiary institution or other faculty of this University on the following conditions:
(a) the subject for which standing is granted shall have a reasonable correspondence with a subject included in the Bachelor of Commerce degree programme of the University;

(b) such an undergraduate shall not receive standing in respect of more than six subjects in the Bachelor of Commerce degree course save that in the case of an undergraduate transferring from another faculty in the University of Newcastle, he may be allowed standing for additional subjects if these subjects are equivalent to subjects already passed in the other faculty;

(c) such an undergraduate shall not include in his programme for the degree of Bachelor of Commerce any subject which is substantially equivalent to one he has previously passed and for which standing has not been granted.

2. Notwithstanding the provision of section 1(a), an undergraduate of another university, an approved tertiary institution or faculty of the University may be granted standing for a subject not included in the Bachelor of Commerce degree programme of the University, provided that:

(a) he complies with sections 1(b) and 1(c);

(b) he has his proposed course approved by the Faculty Board at the time the concession is granted; and

(c) he does not depart from his approved course without the permission of the Faculty Board.

Undergraduates who have already undertaken studies in the Faculty of Economics and Commerce

13. The Faculty Board may grant standing to an undergraduate of the Faculty of Economics and Commerce of the University of Newcastle in recognition of any subject or subjects passed at another university subsequent to the undergraduate's matriculation to the University of Newcastle on the following conditions:

(a) the subject or subjects passed shall have a reasonable correspondence with a subject or subjects included in the Bachelor of Commerce degree programme of the University of Newcastle;

(b) standing shall not be granted in respect of more than five subjects in the Bachelor of Commerce degree except that standing shall not be granted in respect of more than four subjects in total where three of the subjects are Group C subjects.

14. Notwithstanding the provisions of section 3(a) standing may be granted for one unspecified subject in the Bachelor of Commerce degree where the subject or subjects passed at the other university or an approved tertiary institution do not correspond in content with any subject included in the Bachelor of Commerce degree programme of this University.

A graduate of another university, or of another faculty of this University may be granted standing in recognition of subjects passed in such university, approved tertiary institution or faculty, provided that:

(i) the subjects for which standing is granted shall have a reasonable correspondence with those included in the Bachelor of Commerce programme of this University;

(ii) the degree shall not be awarded to a candidate unless he has, whilst enrolled as a candidate for the Bachelor of Commerce degree within the Faculty, passed more than half the total number of subjects required for the degree;

(iii) a candidate shall not include in his programme for the Bachelor of Commerce degree any subject which is equivalent to part or all of a subject he has passed in a previous degree course and for which standing has not been granted;

(iv) a candidate seeking standing in more than four subjects must, at the time of his first enrolment in the Bachelor of Commerce degree course, have his programme for the entire course approved by the Faculty Board acting on the recommendation of the Heads of Departments concerned. Subsequent variations in this prescribed programme will require the approval of the Dean, acting on the recommendation of the Heads of Departments concerned.
2. A graduate or diplomate of another approved tertiary institution may be granted standing in recognition of subjects passed in such institution, provided that:

(a) if the work for which standing is sought is deemed similar in content and standard to a subject or subjects offered in the Bachelor of Commerce degree course, or which could reasonably be offered in such a course, standing may be granted for not more than six subjects at the time of admission. These subjects may be named or may be unspecified. An applicant seeking standing in more than four subjects must have his programme approved in accordance with Clause I Section (iv) of the conditions for graduates of another university;

(b) in the case of applicants not covered by (a) above, standing may be granted for not more than four unspecified subjects at the time of admission and the applicant may complete the requirements for the Bachelor of Commerce degree by passing not less than nine subjects selected in accordance with the Requirements for the degree including all compulsory subjects and at least three Group C subjects offered by Departments within the Faculty of Economics and Commerce.

TRANSITIONAL ARRANGEMENTS FOR THE BACHELOR OF COMMERCE DEGREE

Certain changes requiring transitional arrangements have been made in 1975 to Schedule B of the degree regulations. The changes are indicated below:

<table>
<thead>
<tr>
<th>Subjects Deleted</th>
<th>Subjects Added</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A</td>
<td>Commercial Electronic Data Processing</td>
</tr>
<tr>
<td>Group B</td>
<td>Organisational Behaviour</td>
</tr>
<tr>
<td>Group C</td>
<td>Information Systems</td>
</tr>
</tbody>
</table>

As a consequence of these deletions and additions, special transitional arrangements are needed. They are:

(1) A student who has, prior to 1974, passed or has been deemed to have passed under the 1973 transitional arrangements the subject Management Studies, shall not be permitted to enrol in the subject Information Systems.

(2) A student who has passed the subject Management Studies in the year 1974 shall not be permitted to enrol in either of the subjects Commercial Electronic Data Processing or Organisational Behaviour.

APPROVED COMBINED DEGREE COURSES

The Faculty Board have approved the following combined degree courses:

(a) Bachelor of Commerce/Bachelor of Mathematics

(b) Bachelor of Commerce/Bachelor of Engineering —
    (i) in Chemical Engineering
    (ii) in Civil Engineering
    (iii) in Electrical Engineering
    (iv) in Industrial Engineering
    (v) in Mechanical Engineering

Details of the course programmes which have been approved are as follows:

B.Com./B.Math. — possible course

Year I

| Mathematics I |
| Economic Statistics I |
| Microeconomics |
| Accounting I |

Year II

| Mathematics IIIA |
| Mathematics IIC |
| Economics & Commerce subject (Group A or B) |

Year III

| Mathematics IIIA |
| Macroeconomics |
| Economics & Commerce subject (Group A or B) |
| Economics & Commerce subject (Group B) |

Year IV

| Mathematics IIIB or a Part III Schedule B subject from the requirements for B.Math. |
| Economics & Commerce subject (Group B) |
| Economics & Commerce subject (Group B or C) |

Year V

| Economics & Commerce subject (Group B) |
| Economics & Commerce subject (Group C) |
| Economics & Commerce subject (Group C) |
| Economics & Commerce subject (Group C) |
B.Com./B.E. in Chemical Engineering — approved course

Year I
Chemistry I (as Elective I)
Mathematics I
Engineering I
Physics IA/IB
ME121 Workshop Practice

Year II
Chemical Engineering I
Chemistry II
Mathematics IIB/I
Economics IE
One of Economic Statistics I, Economic History I,
Legal Studies I

Year III
Chemical Engineering IIA
Mathematics IIB/2
Accounting I
Macroeconomics

Year IV
Chemical Engineering IIB
Economics & Commerce subject
Economics & Commerce subject
Economics & Commerce subject
Elective II

Year V
Chemical Engineering III
Project II
Economics & Commerce subject
Economics & Commerce subject

B.Com./B.E. in Civil Engineering — approved course

Year I
Engineering I
Mathematics I
Physics IA
Workshop Practice
Microeconomics
One of Economic History I, Legal Studies I,
Economic Statistics I

Year II
Mathematics IIB
Chemistry IS
CE211 Properties of Materials I
CE212 Mechanics of Solids I
CE231 Fluid Mechanics I
Accounting I
Macroeconomics

Year III
CE222 Concrete Technology
CE241 Surveying I
CE223J Engineering Geology
CE313 Structural Analysis & Design I
CE324 Soil Mechanics
CE352 Civil Engineering Systems
ME212 Engineering Design
or
ME271 Thermodynamics
Economics & Commerce subject

Year IV
EE203 Introduction to Electrical Information
EE204 Introduction to Electrical Energy
CE332 Fluid Mechanics II
CE333 Water Resources Engineering
CE351 Transportation Engineering
ME301 Engineering Computations
ME425 Earth & Rock Engineering
Economics & Commerce subject
Economics & Commerce subject

Year V
CE452 Engineering Construction
CE414 Structural Analysis & Design II
CE453 Project
One Departmental Elective
Economics & Commerce subject
Economics & Commerce subject
**B.Com./B.E. in Electrical Engineering — approved course**

**Year I**
- Mathematics I
- Engineering I
- Physics IA
- ME121 Workshop Practice
- Microeconomics
- One of Economic History I, Legal Studies I, Economic Statistics I

**Year II**
- EE203 Introduction to Electrical Information
- EE204 Introduction to Electrical Energy
- EE231 Electrical Circuits
- Mathematics IIB
- PH221 Electromagnetics & Quantum Mechanics
- Accounting I

**Year III**
- GE350 Seminar
- EE311 Electrical Machines
- EE321 Electronics
- EE331 Circuits
- EE341 Automatic Control
- EE361 Computer Structure
- Two of EE300 or EE400
- Chemistry IS
- Economics & Commerce subject
- Economics & Commerce subject

**Year IV**
- Three of EE300 or EE400
- Two of EE300 or EE400 or EE500
- Electives
- Economics & Commerce subject
- Economics & Commerce subject

**Year V**
- EE480/491 Project/Seminar
- Five of EE300 or EE400 or EE500
- Electives
- Economics & Commerce subject

**B.Com./B.E. in Industrial Engineering — approved course**

**Year I**
- Engineering I
- Mathematics I
- Physics IA
- ME121 Workshop Practice
- Chemistry IS
- Microeconomics

**Year II**
- ME221 Workshop Practice
- ME222 Process Technology
- ME223 Mechanical Technology
- ME241 Mechanical Technology
- CE212 Mechanics of Solids
- Mathematics IIB
- Accounting I
- Macroeconomics

**Year III**
- ME201 Laboratory Measurements
- ME212 Engineering Design
- ME213 Engineering Design
- ME232 Dynamics of Machines
- ME251 Fluid Mechanics
- ME271 Thermodynamics
- EE203 Introduction to Electrical Information
- EE204 Introduction to Electrical Energy
- One of Economic History I, Legal Studies I, Economic Statistics I
- Economics & Commerce subject
- Economics & Commerce subject
- Economics & Commerce subject

**Year IV**
- ME301 Engineering Computations
- ME313 Engineering Design
- ME333 Dynamics of Machines
- ME361 Automatic Control
- ME381 Methods Engineering
- ME382 Production Engineering
- ME383 Quality Engineering
- ME384 Design for Production
- ME342 Properties of Materials
- ME343 Mechanics of Solids
- Economics & Commerce subject
- Economics & Commerce subject

1 Electives
### Year V
- Project/Seminar
- ME681 Industrial Law
- GE350 Seminar
- Economics & Commerce subject

**Electives**

### B.Com./B.E. in Mechanical Engineering — approved course

#### Year I
- Engineering I
- Mathematics I
- Physics IA
- ME121 Workshop Practice
- Chemistry IS
- Microeconomics

#### Year II
- ME221 Workshop Practice
- ME222 Process Technology
- ME223 Mechanical Technology
- ME241 Properties of Materials
- CE212 Mechanics of Solids
- Mathematics IIB
- Accounting I
- Macroeconomics

#### Year III
- ME201 Laboratory Measurements
- ME212 Engineering Design
- ME213 Engineering Design
- ME232 Dynamics of Machines
- ME251 Fluid Mechanics
- ME271 Thermodynamics
- EE203 Introduction to Electrical Information
- EE204 Introduction to Electrical Energy
- One of Economic History I, Legal Studies I, Economic Statistics I
- Economics & Commerce subject
- Economics & Commerce subject

#### Year IV
- ME301 Engineering Computations
- ME313 Engineering Design
- ME333 Dynamics of Machines
- ME352 Fluid Mechanics
- ME361 Automatic Control
- ME372 Heat Transfer
- CE303 Structural Design
- ME342 Properties of Materials
- ME343 Mechanics of Solids
- Economics & Commerce subject
- Economics & Commerce subject

**Electives**

### Year V
- ME496 Project/Seminar
- GE350 Seminar
- Economics & Commerce subject
- ME381 Methods Engineering
- ME382 Production Engineering
- ME383 Quality Engineering
- ME384 Design for Production
- ME413 Design of Crankshafts, Flywheels & other rotating members

1. Three of the six elective units must be selected from the list of Departmental Technical Electives.
2. First half year.
3. Second half year.
4. The eight elective units must be taken in the Faculty of Engineering; at least two must be from outside the Department of Electrical Engineering and at least two must be from within the Department of Electrical Engineering.
5. Plus 5 day Survey Camp.
Postgraduate courses may be undertaken within the Departments of Commerce, Economics, and Legal Studies leading to the Diploma in Business Studies and to M.Com and Ph.D. degrees. In the Department of Economics study for the M.Com degree may be either by research and thesis or by coursework. This degree by coursework should appeal to those candidates whose special interest lies in the area of Industrial Economics. However, postgraduate candidates with other interests will be able to choose courses designed to cater for their particular requirements. Candidates for the coursework degree programme are advised to write to the Head of the Department of Economics. The Department of Economics also accepts candidates for M.A. degrees.

In the Department of Commerce and the Department of Legal Studies the degree of Master of Commerce may at present be taken only by research and thesis. Whether the applicant desires to take the Master of Commerce degree in the Department of Economics, the Department of Commerce or the Department of Legal Studies he should normally hold the degree of Bachelor of Commerce in the University of Newcastle or an appropriate degree from any other approved university, but in any case must satisfy the Faculty Board of his ability to carry out the programme of study and research.

The Faculty also has a course leading to the award of a Diploma in Business Studies. The subjects which may be included in the Diploma course are specified in the Appendix to the Requirements (see page 34). Enquiries concerning the course in the Diploma in Business Studies should be directed to Mr. Y. L. Yousef, Department of Commerce, extension 563 or dial 68 5563.

The Diploma in Business Studies, if including passes in certain specified subjects, satisfies the examination requirements for advancement to Senior Associate Status in the Australian Society of Accountants. The Master of Commerce degree if taken in the Department of Commerce similarly satisfies these examination requirements.

A number of postgraduate scholarships are available to candidates who have obtained a good honours degree to enable them to undertake full-time research, and prospective candidates are asked to consult their Head of Department not later than the third term of the final (honours) year. Full details of recurrent scholarships will be given in the general Calendar issued by the University. Details of special scholarships are posted from time to time on departmental notice boards.

Conditions of award of these higher degrees are given in the following pages.
(b) To pass a subject a candidate shall satisfy the requirements of the previous clause and pass such examinations as the Faculty Board concerned shall require.

(c) Except with the permission of the Faculty Board a subject shall qualify towards the Diploma for no more than five years from the year in which it is passed.

8. (a) To qualify for the Diploma a candidate shall, in not less than two years of part-time study, pass the required number of subjects from those listed in the Appendix to these Requirements save that a candidate with experience deemed by the Head of the Department of Commerce to be appropriate may be permitted to enrol as a full-time candidate in order to complete the requirements for the Diploma in not less than one year of full-time study.

(b) To qualify for the Diploma a candidate shall pass:
   (i) five subjects selected from those specified in Groups A and B in the Appendix to these Requirements, at least three of which subjects shall be selected from Group B;
   (ii) a Research Essay shown as Group C in the Appendix to these Requirements.

9. All subjects listed by the Faculty Board may not necessarily be offered in any one year.

10. In order to provide for exceptional circumstances arising in particular cases, the Senate, on the recommendation of the Faculty Board may relax any Requirement.

APPENDIX TO REQUIREMENTS FOR THE DIPLOMA IN BUSINESS STUDIES

STAGE 1
Three subjects selected from Groups A and B.

STAGE 2
Two subjects selected from Groups A and B, plus Group C.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Advisory Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A</td>
<td></td>
</tr>
<tr>
<td>Accounting IIIA</td>
<td></td>
</tr>
<tr>
<td>Accounting IIIB</td>
<td></td>
</tr>
<tr>
<td>Auditing</td>
<td></td>
</tr>
<tr>
<td>Econometrics I</td>
<td></td>
</tr>
<tr>
<td>Advanced Company Law</td>
<td></td>
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<tr>
<td>Advanced Managerial and Industrial Accounting</td>
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<tr>
<td>Advanced Auditing</td>
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<tr>
<td>Advanced Financial Management</td>
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<tr>
<td>Advanced Taxation</td>
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<tr>
<td>Behavioural and Social Framework in Business</td>
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<tr>
<td>Business Application of Decision Theory</td>
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</tr>
<tr>
<td>Comparative International Taxation</td>
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<tr>
<td>Commercial Programming</td>
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<tr>
<td>Corporate Strategy</td>
<td></td>
</tr>
<tr>
<td>International and Interstate Business Law</td>
<td></td>
</tr>
<tr>
<td>Law of Stamp, Death, Gift and Estate Duties</td>
<td></td>
</tr>
<tr>
<td>Economics and Business Management</td>
<td></td>
</tr>
<tr>
<td>Economic Statistics I</td>
<td></td>
</tr>
<tr>
<td>Taxation</td>
<td></td>
</tr>
<tr>
<td>Accounting IIIA</td>
<td></td>
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<tr>
<td>Accounting IIIB</td>
<td></td>
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<tr>
<td>Auditing</td>
<td></td>
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<tr>
<td>Financial Management</td>
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<tr>
<td>Taxation</td>
<td></td>
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<tr>
<td>Organisational Behaviour</td>
<td></td>
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<tr>
<td>Law of Stamp, Death, Gift and Estate Duties</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td></td>
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<tr>
<td>Systems Analysis and Design</td>
<td></td>
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<tr>
<td>Social and Public Authority</td>
<td></td>
</tr>
<tr>
<td>Commercial Electronic Data Processing</td>
<td></td>
</tr>
</tbody>
</table>

The advisory prerequisite subjects for the subjects in Group A are those prescribed as prerequisites in the Bachelor of Commerce degree course.
EXPLANATORY NOTES TO
THE APPENDIX TO REQUIREMENTS FOR
THE DIPLOMA IN BUSINESS STUDIES

Note
1. In addition to Accounting and Financial Studies, eight other Group B subjects will probably be offered in 1975. It is likely that the remaining subjects will be as follows:
   - Advanced Company Law
   - Advanced Financial Management
   - Advanced Managerial & Industrial Accounting (& Finance)
   - Advanced Taxation OR Advanced Auditing
   - Behavioural & Social Framework in Business
   - Commercial Programming
   - Corporate Strategy
   - International & Interstate Business Law

2. This subject will be offered on the following conditions:
   (i) the subject is restricted to students who have not previously passed any accounting examinations at tertiary level.
   (ii) the subject may be incorporated in Stage 1 only.

3. Five subjects must be selected from Groups A and B, all of which subjects may be selected from Group B; not more than two subjects may be selected from Group A.

4. Of these subjects two shall count as one subject for the purposes of satisfying requirement 8(b) (i) (i.e. these subjects shall be regarded as 'half' subjects for this purpose).

CONDITIONS FOR THE GRANTING OF STANDING IN THE DIPLOMA IN BUSINESS STUDIES COURSE

1. Standing in a subject in the Diploma in Business Studies shall require the approval of the Faculty Board on the recommendation of the Head of the Department of Commerce.

2. A candidate will not be eligible for standing in any subject for which credit has been given for the award of another degree or diploma, except as otherwise provided for in succeeding clauses.

3. A candidate who has passed a subject* offered in the postgraduate course in Professional Accounting Studies in the years 1969, 1970, 1971 or 1972 shall be granted standing in the corresponding subject in the Diploma in Business Studies, provided he enrolls in the Diploma within five years of having passed such subject.

   * Auditing, Taxation and Tax Planning and/or Accounting Systems and Computer Applications.

4. A candidate who has been awarded the Bachelor of Commerce (Honours) Degree specialising in Accounting in the University of Newcastle shall be granted standing in the subject, Accounting Theory.

5. A candidate who has passed either (i) the Master of Commerce qualifying course, or (ii) the equivalent of one full-time year of the course work under clause 9(ii) of the present Master of Commerce requirements within the Department of Commerce in the University of Newcastle or who has been awarded the degree of Master of Commerce for work completed as a student registered in that Department, shall normally be granted standing in the subject, Accounting Theory.

6. A graduate of an approved institution who has completed the honours degree specialising in Accounting or who has completed postgraduate studies considered equivalent to those specified in paragraph (5) above, may be granted standing on the same basis as a graduate of the University of Newcastle.

7. Where a candidate has completed Stage 1 of the Diploma Course he may be granted standing by the Faculty Board in respect of another subject subsequently passed at another university or approved tertiary institution under the following conditions:
   (a) the subject for which standing is granted shall have a reasonable correspondence with a subject included in the Diploma in Business Studies programme; and,
   (b) standing shall not be granted for more than two subjects.

TRANSITIONAL ARRANGEMENTS FOR THE DIPLOMA IN BUSINESS STUDIES

As from 25th February, 1974, one subject will be deleted from Group A and the title of one subject in Group B will be changed in the Appendix to Requirements for the Diploma in Business Studies. Students who were enrolled in the course prior to 1975 will be granted standing in the new course for subjects corresponding to those already completed. The correspondence between subjects is given in the following schedule.

<table>
<thead>
<tr>
<th>Subjects completed towards Diploma prior to 25th February 1975</th>
<th>Subjects of new course for which standing is granted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A Management Studies</td>
<td>One Group A subject — title not specified</td>
</tr>
<tr>
<td>Group B Advanced Taxation and Tax Planning</td>
<td>Advanced Taxation</td>
</tr>
</tbody>
</table>
A candidate shall not include in his future programme for the Diploma in Business Studies any subject which is equivalent to part or all of a subject which he has previously passed. Specifically, this is binding on a student in the following case:

A student who has, prior to 1974 passed either of the subjects Management Studies or Accounting Systems and Computer Applications, shall not be permitted to enrol in the subject Information Systems.

REQUIREMENTS FOR THE DEGREE OF MASTER OF COMMERCE

1. The degree of Master of Commerce shall be awarded in one grade only.

2. An application to register as a candidate for the degree of Master of Commerce shall be made on the prescribed form and shall be lodged with the Secretary at least one full calendar month before the commencement of the term in which the candidate desires to register.

3. (i) An applicant for registration for the degree shall have satisfied all the requirements for admission to the degree of Bachelor of Commerce in the University of Newcastle or to an appropriate degree of this or any other university approved for this purpose by the Faculty Board of the Faculty of Economics and Commerce (hereinafter referred to as the “Faculty Board”).

(ii) In exceptional cases an applicant possessing other qualifications may on the recommendation of the Faculty Board be permitted by the Senate to register as a candidate for the degree.

4. The Faculty Board may require an applicant to demonstrate fitness for registration by carrying out such work and sitting for such examinations as the Faculty Board may determine.

5. An applicant for registration shall apply to pursue his studies for the degree of Master of Commerce in either of two ways. The first shall consist primarily of research and the submission of a thesis. The second shall consist of a programme of lectures and other coursework and the submission of a dissertation (hereinafter referred to as “research and thesis” and “coursework and dissertation” respectively).

6. Before permitting an applicant to register as a candidate for the degree, the Faculty Board shall be satisfied that adequate supervision and other facilities are available.

7. An applicant for registration shall have his programme, and in the case of a candidate for the degree by research and thesis the subject of his thesis, approved by the Faculty Board on the recommendation of the Head of Department before being permitted to register.

8. A candidate shall register as either a full-time or a part-time student.

9. (i) A candidate for the degree by research and thesis shall pursue his investigations under the direction of a supervisor appointed by the Faculty Board.

(ii) Such a candidate may be required to attend such lecture courses, seminars and other supervised study and pass such examinations at such standard as the Faculty Board may determine, before being permitted to proceed with his programme of research.

(iii) Such a candidate shall be examined by means of a thesis embodying the results of an original investigation and may be examined orally on the subject of his thesis.

10. (i) A candidate for the degree by coursework and dissertation shall pursue a course of formal study by attending such lecture courses, seminars and other supervised study as the Faculty Board may determine.

(ii) Such a candidate who has obtained an appropriate Bachelor’s degree with Honours or has postgraduate qualifications may be granted such advanced standing as the Faculty Board recommends.

(iii) Such a candidate shall be examined by means of written annual examinations in the subjects studied and by a dissertation on a topic approved by the Faculty Board and, at the discretion of the examiner, he may also be examined orally on the subjects studied or the dissertation.

11. The degree shall not be conferred on a full-time student before the lapse of six complete terms and on a part-time student before the lapse of nine complete terms from the date on which the registration becomes effective, save that in the case of a candidate who has obtained the degree of Bachelor with Honours or who has had lengthy research experience, this period may be reduced by the Faculty Board by up to three terms for full-time students and four terms for part-time students.

12. Except with the permission of the Faculty Board, a candidate for the degree by coursework and dissertation shall submit the dissertation not later than the end of February in the year subsequent to the second full-time or third part-time year of registration.
13. The Faculty Board may permit a candidate to change his registration from a programme of coursework and dissertation to one of research and thesis, or vice versa, on such terms and conditions as the Faculty Board may determine.

14. (i) Three copies of the thesis or dissertation shall be submitted so as to comply with the requirements of the University.
(ii) The University may retain the three copies of the thesis or dissertation submitted for examination and shall be free to allow them to be consulted or borrowed. Subject to the provisions of the Copyright Act (1968) as amended, the University may issue the thesis or dissertation in whole or in part, in photostat or microfilm or other copying medium.

15. A candidate who fails to satisfy the examiners may, with the permission of the Senate, re-submit his thesis or dissertation in an amended form and/or present himself again for the prescribed examinations on such terms and conditions as the Faculty Board may recommend. If he fails to satisfy the examiners at the second attempt, he shall not be eligible to submit himself again as a candidate for the degree.

16. Notwithstanding the generality of any of these conditions the Senate, on the recommendation of the Faculty Board, may relax any condition in order to provide for exceptional circumstances arising in particular cases.

1 Refer to Policy in Relation to the Operation of Clause 9 (ii) of The Requirements for the Degree of Master of Commerce below.

2 The Degree by Coursework and Dissertation is only offered in the Department of Economics at present and further details of this degree course are available in the Brochure, "Graduate Studies in Economics".

Policy in Relation to the Operation of Clause 9 (ii) of the Requirements for the Degree of Master of Commerce

1. In the normal case, a candidate who has satisfied the requirements for admission to the Bachelor of Commerce (Honours) degree in the University of Newcastle shall be permitted to proceed with his programme of research and thesis without having to undertake additional work.

2. In the normal case, a candidate who has satisfied the requirements for admission to the Bachelor of Commerce (Ordinary) degree in the University of Newcastle shall be required to satisfactorily complete not more than one additional full-time year’s work or its equivalent.

3. In the case of a student whose programme extends over more than three terms, permission to proceed with his research and thesis shall be determined on completion of the first year of the programme specified by the Faculty Board.

4. Candidates who have graduated with a pass or ordinary degree from another university shall be required to satisfactorily complete a programme equivalent to that prescribed for Newcastle graduates, with the proviso that such a candidate may be required to complete additional work in order to undertake a particular research programme and thesis. An honours graduate from another university shall be permitted to proceed with a programme of research and thesis without having to undertake additional work unless it is essential to his particular programme.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

1. The degree of Doctor of Philosophy may be awarded by the Council on the recommendation of the Senate to a candidate who has satisfied the following requirements.

2. A candidate for registration for the degree of Doctor of Philosophy shall:­
   (i) have satisfied all of the requirements for admission to the degree of master or the degree of bachelor with first or second class honours in the University of Newcastle or a degree from another university recognised by the Senate as having equivalent standing;
   or
   (ii) have satisfied all of the requirements for admission to the degree of bachelor with third class honours or without honours in the University of Newcastle or a degree from another university recognised by the Senate as having equivalent standing, and have achieved by subsequent work and study a standard recognised by the Senate as equivalent to at least second class honours;
   or
   (iii) in exceptional cases submit such other evidence of general and professional qualifications as may be approved by the Senate.

3. The Senate may require a candidate, before he is permitted to register, to undergo such examination or carry out such work as it may prescribe.
4. A candidate for registration for a course of study leading to the degree of Ph.D. shall:
   (i) apply on the prescribed form at least one calendar month before the commencement of the term in which he desires to register;
   and
   (ii) submit with his application a certificate from the Head of the Department in which he proposes to study stating that the candidate is a fit person to undertake a course of study or research leading to the Ph.D. degree and that the Department is willing to undertake the responsibility of supervising the work of the candidate.

5. Before being admitted to candidature, an applicant shall satisfy the Senate that he can devote sufficient time to his advanced study and research.

6. Subsequent to registration, the candidate shall pursue a course of advanced study and research for at least nine academic terms, save that any candidate who before registration was engaged upon research to the satisfaction of the Senate, may be exempted from three academic terms.

7. A candidate shall present himself for examination not later than fifteen academic terms from the date of his registration, unless special permission for an extension of time be granted by the Senate.

8. The course, other than field work, must be carried out in a department of the University, under the direction of a supervisor appointed by the Senate, or under such conditions as the Senate may determine, save that a candidate may be granted special permission by the Senate to spend a period of not more than three academic terms in research at another institution approved by the Senate.

9. Not later than three academic terms after registration the candidate shall submit the subject of his thesis for approval by the Senate. After the subject has been approved it may not be changed except with the permission of the Senate.

10. A candidate may be required to attend a formal course of study appropriate to his work.

11. On completing his course of study every candidate shall submit a thesis which complies with the following requirements:
   (i) The greater proportion of the work described must have been completed subsequent to registration for the Ph.D. degree.
   (ii) It must be a distinct contribution to the knowledge of the subject.
   (iii) It must be written in English or in a language approved by the Senate and reach a satisfactory standard of literary presentation.

12. The thesis shall consist of the candidate's own account of his research. In special cases work done conjointly with other persons may be accepted provided the Senate is satisfied on the candidate's part in the joint research.

13. Every candidate shall be required to submit with his thesis a short abstract of the thesis comprising not more than 300 words.

14. A candidate may not submit as the main content of his thesis any work or material which he has previously submitted for a university degree or other similar award.

15. The candidate shall give in writing three months' notice of his intention to submit his thesis and such notice shall be accompanied by the appropriate fee.

16. Four copies of the thesis shall be submitted together with a certificate from the supervisor that the candidate has completed the course of study prescribed in his case and that the thesis is fit for examination.

17. The thesis shall be in double-spaced typescript. The original copy for deposit in the Library shall be prepared and bound in a form approved by the University. The other three copies shall be bound in such manner as allows their transmission to the examiners without possibility of disarrangement.

18. It shall be understood that the University retains four copies of the thesis and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act (1968) the University may issue the thesis in whole or in part in photostat or microfilm or other copying medium.

19. The candidate may also submit as separate supporting documents any work he has published, whether or not it bears on the subject of the thesis.

20. The Senate shall appoint three examiners of whom at least two shall not be members of the teaching staff of the University.

21. The examiners may require the candidate to answer, viva voce or in writing, any questions concerning the subject of his thesis or work.

22. The result of the examination shall be in accordance with the decision of a majority of the examiners.

23. A candidate permitted to re-submit his thesis for examination shall do so within a period of twelve months from the date on which he is advised of the result of the first examination.
REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF SCIENCE

1. The degree of Doctor of Science may be awarded by the Council, on the recommendation of the Senate, for an original contribution or contributions of distinguished merit adding to the knowledge or understanding of any branch of learning with which the Faculty is concerned.

2. An applicant for registration for the degree of Doctor of Science shall hold a degree of the University of Newcastle or a degree from another university recognised by the Senate as being equivalent or shall have been admitted to the status of such a degree.

3. The degree shall be awarded on published* work although additional unpublished work may also be considered.

4. Every candidate in submitting his published work and such unpublished work as he deems appropriate shall submit a short discourse describing the research embodied in his submission. The discourse shall make clear the extent of originality and the candidate's part in any collaborative work.

5. An applicant for registration for the degree shall submit in writing to the Secretary a statement of his academic qualifications together with:
   (a) four copies of the work, published or unpublished, which he desires to submit; and
   (b) a Statutory Declaration indicating those sections of the work, if any, which have been previously submitted for a degree or diploma in any other university.

6. The Senate shall appoint three examiners of whom at least two shall not be members of the teaching staff of the University.

7. The examiners may require the candidate to answer, viva voce or in writing, any questions concerning his work.

8. The result of the examination shall be in accordance with the decision of a majority of the examiners.

* In these requirements, the term "published work" shall mean printed in a periodical or as a pamphlet or as a book readily available to the public. The examiners are given discretion to disregard any of the work submitted if, in their opinion, the work has not been so available for criticism.

Guide to Subject Entries

Subject Outlines and Reading Lists are set out in a standard format to facilitate easy reference. The policy adopted in this Handbook for interpretation of the various sections is set out below. This may not necessarily be the same policy adopted for other Faculty Handbooks.

1. Name
   The official subject name as included in Schedule of the degree requirements. This name must be used when completing any forms regarding enrolment or variation of enrolment.

2. Prerequisites
   Before enrolling in the subject, a student shall have passed the subjects listed as prerequisites. In some cases an advisory prerequisite is stated and although this is not compulsory, it would be a distinct advantage for the student to have passed such a subject. An advisory prerequisite may be stated in terms of N.S.W. Higher School Certificate subjects. A student who has not fulfilled the prerequisite requirements may, in a limited number of cases on the recommendation of the appropriate Head of Department, be permitted by the Dean to enrol concurrently in the prerequisite subject.

3. Corequisite
   A corequisite is a subject which should be taken concurrently with another subject if not previously passed.

4. Hours
   Formal sessions which students should attend. Each lecture is of one hour duration and although the normal lecture requirement is for 2 lecture hours per week, the lectures need not necessarily be held consecutively. Students should read the Timetable for details.

5. Examination
   The formal examination requirements are stated, however progressive assessment is used in most cases and students are required to submit essays, exercises and, in Accounting I, a practice set as specified by lecturers and tutors. Class tests may also be held during the year. Work completed during the year will be taken into account with a student's results at the final examination.

Failure to submit written work may involve exclusion from examinations.
Content
An outline of subject content.

Suggested Preliminary Reading
A list of reading material which should help the student gain a basic understanding of a subject. This material should be read before attending the first lecture on the subject.

Texts
Essential books which are recommended for purchase.

References
Students should not restrict their reading to texts and other references are listed to cover various aspects of the subject. Students may need to read all or part of a reference to gain an appreciation of a particular topic.

DEPARTMENT OF COMMERCE

411100 Accounting I

Prerequisites
Nil

Hours
A course of 2 lecture hours and a 2 hour tutorial per week throughout the year

Examination
Two 3-hour papers

Content
A theoretical analysis of the accounting function in the social structure; accounting as an information system including the classification, recording and verification of financial data with emphasis on control techniques; automatic processing of accounting data and the computer; analysis and interpretation of financial statements; management uses of accounting information; various budgetary controls, an introduction to business finance; a brief survey of the law and practice of the taxation of income derived from Australian sources.

Texts
Colditz, B. T. & Gibbins, R. W.
Colditz, B. T., Meigs, W. B. & Johnson, C. E.

References
Anthony, R. N.
Arnold, R. R., Hill, H. C. & Nichols, A. V.
Carey, J. L.
Chambers, R. J.
Colditz, B. T., Meigs, W. B. & Johnson, C. E.
Fertig, P. E., Istvan, D. F. & Mottice, H. J.
Goldberg, L.
Gole, V. L.
McRae, T. W.  
Marpole, R. P.  
Musselman, V. A. & Hughes, E. H.  
Sanders, D. H.  
Spiller, E. A.  

Impact of Computers on Accounting (Wiley)  
Towards a Basic Accounting Philosophy (N.A.A.)  
An Introduction to Modern Business (Prentice-Hall)  
Computers in Business (McGraw-Hill)  
Financial Accounting: Basic Concepts (Irwin)  

Marple, R. P.  
Musselman, V. A. & Hughes, E. H.  
Sanders, D. H.  
Spiller, E. A.  

Towards a Basic Accounting Philosophy (N.A.A.)  
Computers in Business (McGraw-Hill)  
Financial Accounting: Basic Concepts (Irwin)  

Musselman, V. A. & Hughes, E. H.  

An Introduction to Modern Business (Prentice-Hall)  

Spiller, E. A.  

Financial Accounting: Basic Concepts (Irwin)  

412100 Accounting IIA  

Prerequisites  
Accounting I  

Hours  
A course of 2 lecture hours and a 2 hour tutorial per week throughout the year  

Examination  
Two 3-hour papers  

Students will be permitted to take copies of the Statute referred to below into the annual examination, provided the copies are not marked otherwise than by underlining.  

Content  
Theory and practice of company accounting; accounting for the formation, reconstruction, amalgamation, take-over, official management, receivership and liquidation of companies; the preparation of holding company and group financial statements; equity accounting; the valuation of shares and goodwill; adjustments for changes in the purchasing power of the unit of measurement; accounting for executorship, hire purchase and instalment-purchase, and lease agreements.  

Texts  
Goldberg, L. (ed.)  
Johnston, T. R., Jager, M. O. & Taylor, R. B.  
Taylor, R. B. & O'Shea, B. P.  
Zeff, S. A. & Keller, T. F. (eds.)  

Fitzgerald's Accounting (Butterworths)  
The Law and Practice of Company Accounting in Australia (Butterworths)  
Questions on Company Accounting (Butterworths)  
Accountancy Exercises (University of Newcastle)  
Companies Act, 1961 (N.S.W. Government Printer)  

References  
American Institute of C.P.A.'s  

Accounting Research Studies  

412200 Accounting IIB  

Prerequisites  
Accounting I  

Hours  
A course of 2 lecture hours and a 2 hour tutorial per week throughout the year  

Examination  
Two 3-hour papers  

Content  
The theory and practice of accounting for (i) management decision making and (ii) product costing. The ideas dealt with are: cost concepts; accounting models of the firm — C.V.P. analysis; incremental costs; budgeting; accounting for materials, labour and overhead; job costing; process costing; distribution of costs; standard costing and variance analysis; capital investment analysis; inventory costing and control.  

American Society of Accountants  
Backer, M. (ed.)  
Bowra, R. L. & Clarke, F. L.  
Colditz, B. T., Meigs, W. B. & Johnson, C. E.  
Davidson, S., Green, D., Horngren, C. T. & Sorter, G. H.  
Gibson, R. W.  
Gole, V. L.  
Institute of Chartered Accountants in Australia  
Keller, T. F. & Zeff, S. A. (eds.)  
Kenley, W. J.  
Lee, L. N. & McPherson, L. A.  
Yorston, Sir Keith, Smyth, E. B. & Brown, S. R.  
Zeff, S. A. & Keller, T. F. (eds.)  

Financial Accounting Theory (Prentice-Hall)  
Modern Accounting Theory (Prentice-Hall)  
Fitzgerald and Speck: Holding Companies and Group Accounts in Australia and New Zealand (Butterworths)  
Australian Accounting: The Basis for Business Decisions (McGraw-Hill)  
An Income Approach to Accounting Theory (Prentice-Hall)  

Disclosure by Australian Companies (Melbourne University Press)  
Fitzgerald's Analysis and Interpretation of Financial and Operating Statements (Butterworths)  
Statements on Accounting Practice and Statements of Accounting Standards (Butterworths)  
A Statement of Australian Accounting Principles (Accountancy Research Foundation)  
Consolidated Statements and Group Accounts (Law Book Co.)  
Advanced Accounting (7th ed. Law Book Co.)  

Texts
Dopuch, N., Birnberg, J. G. & Demski, J.
Horngren, C. T.
Thomas, W. E. (ed.)
References
Anton, H. R. & Firmin, P. A.
Benston, G. J. (ed.)
Bierman, H. & Dyckman, T. R.
Bruns, W. J. & DeCoste, D. T.
Caplan, E. H.
Dickey, R. L. (ed.)
Drucker, P. F.
Hofstede, G. H.
Horngren, C. T.
Johnson, R. A., Kast, F. E. & Rosenzweig, J. E.
Keller, W. & Ferrara, W. L.
Li, D. H.
Matz, A. & Curry, O. J.
Miller, D. W. & Starr, M. K.
Revisine, L.
Rosen, L. S. (ed.)

Cost Accounting: Accounting Data for Management's Decisions (Harcourt, Brace & Jovanovich)
Cost Accounting — A Managerial Emphasis (Prentice-Hall)
Readings in Cost Accounting, Budgeting and Control (South Western)
Contemporary Problems in Cost Accounting (Houghton Mifflin)
Contemporary Cost Accounting and Control (Dickinson)
Managerial Cost Accounting (Collier-Macmillan)
Accounting and its Behavioural Implications (McGraw-Hill)
Management Accounting and Behavioural Science (Addison-Wesley)
Accountants' Cost Handbook (Ronald)
The Practice of Management (Heinemann)
The Game of Budget Control (Ass. Book Pub.)
Cost Accounting — A Managerial Emphasis — Student Guide (Prentice-Hall)
The Theory and Management of Systems (McGraw-Hill)
Management Accounting for Profit Control (McGraw-Hill)
Accounting, Computers, Management Information Systems (McGraw-Hill)
Cost Accounting — Planning and Control (South Western)
Executive Decisions and Operations Research (Prentice-Hall)
Replacement Cost Accounting (Prentice-Hall)
Topics in Managerial Accounting (McGraw-Hill)

Schaderbek, P. O.
Shillinglaw, G.
Solomons, D.
Solomons, D.
Timms, H. L.

Management Systems (J. Wiley & Sons)
Cost Accounting — Analysis and Control (Irwin)
Studies in Cost Analysis (Irwin)
Divisional Performance: Measurement and Control (Irwin)
Introduction to Operations Management (Irwin)
Accountancy Exercises (University of Newcastle)

413100 Accounting IIIA

Prerequisites
Accounting IIA

Hours
A course of 2 lecture hours per week throughout the year

Examination
Two 3-hour papers

Content
Selected contemporary problems in the theory and practice of financial accounting, company and financial reporting and public practice including a study of current approaches to the formulation of accounting theory; governmental and institutional accounting.

Texts
Jay, W. R. C. & Mathews, R. L.
Levy, V. M.

References
American Accounting Association
American Institute of C.P.A.'s
Backer, M. (ed.)
Barradell, M.
Baxter, W. T. & Davidson, S. (eds.)
Bray, F. S.
Briloff, A. J.
Chambers, R. J.

Government Accounting in Australia (Cheshire)
Public Financial Administration (Law Book Co.)

A Statement of Basic Accounting Theory

Accounting Research Studies

Modern Accounting Theory (Prentice-Hall)
Ethics and the Accountant (Gee)
Studies in Accounting Theory (Sweet & Maxwell)
The Accounting Mission (Melbourne University Press)
The Effectiveness of Accounting Information (Praeger)
Accounting, Evaluation and Economic Behaviour (Prentice-Hall)
413200 Accounting IIB

Prerequisites
Accounting IIB

Hours
A course of 2 lecture hours per week throughout the year

Examination
Two 3-hour papers

Content
Selected contemporary problems in the theory and practice of managerial accounting. Topics studied include the development of management accounting, decision theory and information systems, profit planning, cost-volume profit analysis, incremental analysis, intra company pricing and divisional performance evaluation, product pricing, direct costing, allocation of costs, cost accounting for income determination, feedback for accounting control, behavioural considerations in management accounting and general concepts of management accounting including decision making for small and medium sized manufacturers.

Texts
Articles are selected from Abacus, The Accounting Review, Journal of Accounting Research, Journal of Business, etc. Text books should not be purchased until the course has commenced.

References
Anton, H. R. & Firmin, P. A. Contemporary Problems in Cost Accounting (Houghton Mifflin)
Benston, G. J. Contemporary Cost Accounting and Control (Dickenson)
Bierman, H. Topics in Cost Accounting and Decisions (McGraw-Hill)
Bierman, H. & Dyckman, T. R. Managerial Cost Accounting (Macmillan)
Greene, W. C. Case Problems in Management Accounting (Holt, Rinehart & Winston)
Greenwood, W. T. Decision Theory and Information Systems (South Western)
Hofstede, G. H. The Game of Budget Control (Associated Book Publishers)
Horngren, C. T. Accounting for Management Control (Prentice-Hall)
National Association of Accountants
Parker, R. H.  Research Reports and Research Monographs
Rappaport, A. (ed.) Management Accounting: An Historical Perspective (Macmillan)
Rosen, L. S. (ed.) Information for Decision Making (Prentice-Hall)
Schiff, M. & Lewin, A. (ed.) Behavioural Aspects of Accounting (Prentice-Hall)
Skousen, K. F. & Needles, B. E Jr (ed.) Contemporary Thought in Accounting and Organisational Control (Dickenson)
Solomons, D. (ed.) Studies in Cost Analysis (Sweet & Maxwell)
Stedry, A. C. Budget Control and Cost Behaviour (Prentice-Hall — Ford Foundation Series)
Thomas, W. E. (ed.) Readings in Cost Accounting Budgeting and Control (South-Western)

413601 Auditing
Prerequisites Accounting IIA
Hours A course of 2 lecture hours per week throughout the year
Examination One 3-hour paper

Content
The concepts and principles of the audit function; historical and contemporary; the scope and limitations of audit practice; auditing standards; the law relating to company audits and auditors; internal controls, programmes and working papers; audit evidence; statistical applications in auditing; the audit of electronically processed accounting data; audit reports.

Texts
Institute of Chartered Accountants in Australia
Mannix, E. F. Professional Negligence (Butterworths)
Mautz, R. K. & Sharaf, H. A. The Philosophy of Auditing (American Accounting Association)

References
American Institute of C.P.A.
Boutell, W. S.
Brasseaux, J. H. & Edwards, J. D.
Carmichael, D. R. & Willingham, J. J.
Cooper, V. R. V.
Cooper, V. R. V.
Holmes, A. W. & Overmyer, W. S.
Institute of Chartered Accountants in England and Wales
Irish, R. A.
Lee, T. A.
Mautz, R. K.
Meigs, W. B. & Larsen, E. J.
Moore, F. E. & Stettler, H. F.
Ray, J. C. (ed.)
Staples, F.
Stettler, H. F.
Stettler, H. F.
Waldron, R. S.
Willingham, J. J. & Carmichael, D. R.

411300 Commercial Electronic Data Processing
Prerequisites Nil
Hours A course of 2 lecture hours and 1 hour tutorial per week throughout the year
Examination One 3-hour paper
Content
Computer equipment and its functioning — the central processing unit, input/output units. Data and data processing principles — flowcharting and systems analysis, data preparation and capture, file concepts and introductory file organisation and processing. Programming languages — BASIC as an introductory data processing language as well as elementary FORTRAN and elementary COBOL.
Extensive practical work in BASIC including case studies.

Texts
Davis, G. B. Introduction to Electronic Computers (McGraw-Hill)
Hare, V. C. Jnr. BASIC Programming (Harcourt, Brace & World)

References
Albrecht, R. L., Finkel, L. & Brown, J. R.
Awad, E. M. Business Data Processing (Prentice-Hall)
Bottel, W. S. Computer Oriented Business Systems (Prentice-Hall)
Dippel, G. & House, W. C. Information Systems (Scott, Foresman & Co.)
Elliott, C. O. & Wasley, R. S. Business Information Processing Systems (Irwin)
Ford, D. H. Basic FORTRAN IV Programming (Irwin)
Fuori, W. M. Introduction to the Computer (Prentice-Hall)
Harris, M. L. Introduction to Data Processing (Wiley)
Silver, G. A. & Silver, J. B. Data Processing for Business (Harcourt, Brace & Jovanovich)
Thierauf, R. J. Data Processing for Business and Management (Wiley)
Watters, J. COBOL Programming (Heinemann)

413602 Financial Management

Prerequisites
Nil

Hours
A course of 2 lecture hours per week throughout the year

Examination
One 3-hour paper

Content
An examination of some of the decision making aspects of finance, such as, its goals and functions; methods of capital budgeting; cost of capital; risk analysis and capital budgeting; capital structure; dividend policy; management of current assets; short and intermediate term financing; mergers and takeovers; liquidation and abandonment of assets. A critical evaluation of the role accountants adopt in providing relevant information for financial decisions.

Texts
Brigham, E. F., Nantell, T. J., Robey, R. T. & Hawk, S. L.
Van Horne, J.

References
Ayres, F.
Chambers, R. J.
Cohan, B. & Wyman, H. E.
Gordon, M. J.
Haley, C. W. & Schall, L. D.
Jean, W. H.
Johnson, R. W.
Lerner, E. M.
Quirin, G. D.
Samuels, J. M. & Wilkes, F. M.
Stapleton, R. C.
Weston, J. F.

Cases in Managerial Finance (Holt, Rinehart & Winston)
Financial Management and Policy (Prentice-Hall)
Mathematics of Finance (McGraw-Hill)
Accounting, Finance and Management (Butterworth)
Cases in Financial Management (Prentice-Hall)
The Investment, Financing and Valuation of the Corporation (Irwin)
The Theory of Financial Decisions (McGraw-Hill)
Finance (The Dryden Press)
The Analytical Theory of Finance (Holt, Rinehart & Winston)
Financial Management (Allyn & Bacon)
Managerial Finance (Harcourt, Brace & Jovanovich)
The Capital Expenditure Decision (Irwin)
Management of Company Finance (Nelson)
The Theory of Corporate Finance (Harrap)
The Scope and Methodology of Finance (Prentice-Hall)
Basic Financial Management: Selected Readings (Wadsworth)
Theory of Business Finance Advanced Readings (Wadsworth)
Readings in Finance (Appleton-Century Crofts)
413611 Information Systems

Note
Candidates who passed the subject Accounting Systems and Computer Applications or Management Studies prior to 1974 will not be permitted to enrol in this subject.

Prerequisites
Commercial Electronic Data Processing
(or Management Studies if passed in 1974)

Hours
A course of 2 lecture hours per week throughout the year

Examination
Two 3-hour papers

Content

Texts
Burch, J. G. Jr & Strater, F. R. Jr
Information Systems: Theory and Practice
(Wiley 1974)

Murdoch, R. G. & Ross, J. E.
Information Systems for Modern Management
(Prentice-Hall 1971)

Schoderbeck, P. P.
Management Systems (Wiley 1971)

References
Blumenthal, S. C.
Management Information Systems:
A Framework for Planning and Development
(Prentice-Hall Inc.)

Brightman, R. W.
Information Systems for Modern Management
(Macmillan Co. 1971)

Daniels, A. & Yeates, D.
Basic Training in Systems Analysis
(Sir Isaac Pitman & Sons, Ltd. 1969)

Dippel, G. & House, W. C.
Information Systems — Data Processing and Evaluation
(Scott, Foresman & Co. 1969)

Gotlieb, G. C. & Borodin, A.

Johnson, R. A. Kast, F. E. & Rosenzweig, J. E.
The Theory and Management of Systems
(McGraw-Hill 1973)

Li, D. H.

McFarlan, F. W., Nolan, R. L. & Norton, D. P.
Information Systems Administration
(Holt, Rinehart & Winston Inc. 1973)

Martin, E. W. Jnr. & Perkins, W. C.
Computers and Information Systems — An Introduction (Richard D. Irwin Inc. 1973)

Prince, T. R.
Information Systems for Management Planning and Control (Richard D. Irwin Inc. 1970)

Rappaport, A.

Sanders, D. H.

Van Tassel, D.
Computer Security Management (Prentice-Hall Inc. 1972)

413605 Marketing

Prerequisites
Organisational Behaviour (Advisory)

Hours
A course of 2 lecture hours per week throughout the year

Examination
One 3-hour paper

Content
Objectives and policies of managers as influenced by marketing institutions, functions performed, and consumer wants and needs. (Assumes no previous knowledge of marketing). Case studies will be used throughout the course.

Texts
Nil

References
Boone, L. E. & Kutz, D. L.
Contemporary Marketing (Dryden)

Boyd, H. W. & Massy, W. F.
Marketing Management (Harcourt-Brace)

Boyd, H. W. & Westfall, R.
Marketing Research (Irwin)

Buzzell, R. D. et al.
Marketing and Contemporary Analysis (McGraw-Hill)

Cox, K. K. & Enis, B. M.
Marketing Classics (Allyn & Bacon)
Engel, J. F. et al.  
*Consumer Behaviour* (Holt, Rinehart & Winston)

Engel, J. F. et al.  
*Market Segmentation* (Holt, Rinehart & Winston)

Gist, R. R.  
*Marketing and Society* (Holt, Rinehart & Winston)

Hancock, R. S. & Holloway, R. J.  

McCarthy, J. E.  
*Basic Marketing: A Managerial Approach* (Irwin)

Nader, R. (ed.)  
*The Consumer and Corporate Accountability* (Harcourt-Brace)

Robb, J. F. & Taylor, J. L.  

Stanton, W. J.  
*Fundamentals of Marketing* (McGraw-Hill)

Terpstra, V.  
*International Marketing* (Holt, Rinehart & Winston)

Wentz, W. B. & Eyrich, G. I.  
*Marketing: Theory and Application* (Harcourt-Brace)

### 412600 Organisational Behaviour

**Prerequisites**  
Nil

**Hours**  
A course of 2 lecture hours per week throughout the year

**Examination**  
Two 2-hour papers (Terms 1 and 2)  
One 3-hour paper (Final)

**Content**  
Theories and research results relevant to problems of administration from the behavioural sciences viewpoint. Topics include behavioural models, values and attitudes, learning, perception, motivation, creativity, problem-solving, communications, group dynamics and leadership. These are treated in relation to the classical managerial functions, and the management of specialised functional areas, such as personnel, marketing, production and finance.

**Texts**  
Leavitt, H. J. & Pondy, L. R.  
*Readings in Managerial Psychology* (Chicago University Press)

Luthans, F.  
*Organisational Behaviour* (McGraw-Hill)

### References

Gellerman, S. W.  
*The Management of Human Relations* (Holt, Rinehart & Winston)

Leavitt, H. J.  
*Managerial Psychology* (Chicago University Press)

Miner, J. B.  
*Management Theory* (Macmillan)

Pugh, D. S.  
*Writers on Organisations* (Penguin)

Schein, E. H.  
*Organisational Psychology* (Prentice-Hall)

Sutermeister, R.  
*People and Productivity* (McGraw-Hill)

Tannenbaum, A. S.  
*Social Psychology of the Work Organisation* (Wadsworth)

### 413607 Securities Analysis

**Prerequisites**  
Nil

**Hours**  
A course of 2 lecture hours per week throughout the year

**Examination**  
One 3-hour paper

**Content**  
Investment risks and returns; fixed-return securities; variable-return securities; structure of the Australian capital market; securities market regulation; sales, earnings and dividend analysis; financial structure; price/earnings ratios; growth stock models; technical analysis of stock trends; the efficient market hypothesis; portfolio management; performance evaluation.

**Suggested Preliminary Reading**  
Graham, B.  
*The Intelligent Investor* (Harper & Row)

**Texts**  
Lorie, J. H. & Hamilton, M. T.  
*The Stock Market: Theories and Evidence* (Irwin)

*A Casebook* (Holden Day)

**References**  
Amling, F.  
*Investments* (Prentice-Hall)

Ball, R. E.  
*Readings in Investments* (Allyn & Bacon)

Brealey, R. A.  
*An Introduction to Risk and Return from Common Stocks* (Massachusetts Institute of Technology Press)
413608 Sociological Aspects of Management

Prerequisites
Organisational Behaviour

Hours
A course of 2 lecture hours per week throughout the year

Examination
One 3-hour paper

Content
Organisations and the rationalisation of work; organisational structures; the scientific management movement; Mayo and the Hawthorne experiments; Kurt Lewin and field theory; group membership and conformity; intergroup conflict; search for principles of management; propositions on organisation behaviour; bureaucracies as working communities; leadership, organisational change and conflict.

Texts
Cleverley, G. Managers and Magic (Pelican)
Sofer, C. Organisations in Theory and Practice (Heinemann)

References
Argyle, M. The Psychology of Interpersonal Behaviour (Penguin)
Brown, W. Organisations (Heinemann)
Katz, D. & Kahn, R. L. The Social Psychology of Organisations (Wiley)
March, J. G. & Simon, H. A. Organisations (Wiley)
Silverman, D. The Theory of Organisations (Heinemann)

413609 Taxation

Prerequisites
Nil

Hours
A course of 2 lecture hours per week throughout the year

Examination
One 3-hour paper

Students will be permitted to take copies of the Statutes referred to in the Reading Guide into the annual examination, provided the copies are not marked otherwise than by underlining.

Content
413610 Quantitative Business Analysis

**Prerequisites**
Nil

**Hours**
A course of 2 lecture hours per week throughout the year

**Examination**
One 3-hour paper

**Content**
The use of quantitative models in managerial decision making. Particular emphasis on model formulation and output evaluation; algebra and geometry of linear models; linear programming; sensitivity testing and duality; network models and algorithms; integer programming; dynamic programming; quadratic programming; goal programming; optimization applications; stochastic model concepts; probabilistic dynamic programming; forecasting; Markov chains; probabilistic inventory models; queuing models; competitive models; and simulation.

**Texts**
- Buffa, E. S. *Operations Management: Problems and Models* (Wiley)

**References**
- Dempster, A. P. *Elements of Continuous Multivariate Analysis* (Addison-Wesley)
- Freund, J. E. & Williams, F. J. *Elementary Business Statistics* (Prentice-Hall)
- Hadley, G. *Linear Programming* (Addison-Wesley)
- Hadley, G. *Non-Linear and Dynamic Programming* (Addison-Wesley)
- Horowitz, I. *An Introduction to Quantitative Business Analysis* (McGraw-Hill)
- Kaufmann, A. *Methods and Models of Operations Research* (Prentice-Hall)
- Thierauf, R. J. & Grosse, R. A. *Decision Making Through Operations* (Wiley)
- Tropper, M. *Linear Algebra* (Nelson)
- Wagner, H. M. *Principles of Operations Research* (Prentice-Hall)
412300 Accounting Seminar I (Additional work required for honours degree in Accounting.)

Note
This subject is taken in Year II of the full-time honours degree in Accounting (or equivalent part-time stages).

Prerequisites
Nil

Hours
Seminars are of 2 hours per week throughout the year

Examination
Assessment of seminar paper

Content
Each student is required to undertake research into particular aspects of accounting to be chosen from, for example, valuation problems in accounting, depreciation, variable costing, company financial statements, etc., and to present his findings in the form of a research essay.

Texts
No books are prescribed for this course but each student will be referred to material relevant to his research.

413300 Accounting Seminar II (Additional work required for honours degree in Accounting.)

Note
This subject is taken in Year III of the full-time honours degree in Accounting (or equivalent part-time stages).

Prerequisites
Nil

Hours
Seminars are of 2 hours per week throughout the year

Examination
Assessment of seminar paper

Content
The theory and measurement of accounting profit.

Texts
Nil

References
Backer, M. (ed.)
Baxter, W. T. & Davidson, S. (eds.)
Bedford, N. M.
Chambers, R. J., Goldberg, L. & Mathews, R. L. (eds.)
Davidson, S., Green, D., Horngren, C. T. & Sorter, G. H.
Edwards, E. O. & Bell, P. W.
Garner, P. & Berg, K. B.
Gilman, S.
Goldberg, L.
Hansen, P.
Hendriksen, E. S.
Johnston, T. R., Jager, M. O. & Taylor, R. B.
Norris, H.
Parker, R. H. & Harcourt, G. C. (eds.)
Paton, W. A. & Littleton, A. C.
Sands, J. E.
Sterling, R. R.
Zeff, S. A. & Keller, T. F. (eds.)

Modern Accounting Theory (Prentice-Hall)
Studies in Accounting Theory (Sweet & Maxwell)
Income Determination Theory: An Accounting Framework (Addison & Wesley)
The Accounting Frontier (Cheshire)

An Income Approach to Accounting Theory (Prentice-Hall)
The Theory and Measurement of Business Income (California University Press)
Readings in Accounting Theory (Houghton Mifflin)
Accounting Concepts of Profit (Ronald Press)
An Inquiry into the Nature of Accounting (American Accounting Association)
The Accounting Concept of Profit (North Holland Publishing Co.)
Accounting Theory (Irwin)
The Law and Practice of Company Accounting in Australia (Butterworths)

Accounting Theory (Pitman)
Readings in The Concept and Measurement of Income (Cambridge University Press)
An Introduction to Corporate Accounting Standards (American Accounting Association)
Wealth, Income and Intangibles (University of Toronto Press)
Theory of the Measurement of Enterprise Income (University of Kansas Press)
Financial Accounting Theory I: Issues and Controversies (McGraw-Hill)
414100  Accounting IV

Note
This subject is taken in Year IV of the full-time honours degree in Accounting (or equivalent part-time stages).

Prerequisites
See The Honours Degree — Accounting, page 17

Hours
A course of 6 — 8 hours per week throughout the year

Examination
Not less than four 3-hour papers

Content
(1) Analytical studies and supervised independent research in advanced financial and management accounting with emphasis on contemporary accounting theory and problems; e.g., Accounting IIIA or Accounting IIB (whichever not taken previously), methodology of accounting theory formation, contemporary accounting thought, international comparisons of accounting methods and theories.

(2) Research essay.

Note
The Research Essay (one copy only) should normally be submitted by the first day of the third term of the final year.

Texts
Buckley, J. W.  Contemporary Accounting and its Environment (Dickenson)
Chatfield, M.  Contemporary Studies in the Evolution of Accounting Thought (Dickenson)
Mueller, G. G.  International Accounting (Macmillan)

References
American Accounting Association  A Statement of Basic Accounting Theory
American Institute of Certified Public Accountants  Professional Accounting in 25 Countries
Backer, M. (ed.)  Modern Accounting Theory (Prentice-Hall)
Bedford, N. M.  Income Determination Theory: An Accounting Framework (Addison Wesley)

Berenson, C. & Colten, R.  Research and Report Writing for Business and Economics (Random House)
Berg, K. B., Mueller, G. G. & Walker, L. M.  Readings in International Accounting (Houghton Mifflin)
Berlo, D. K.  The Process of Communication (Holt, Rinehart & Winston)
Chambers, R. J.  Accounting, Evaluation and Economic Behaviour (Prentice-Hall)
Chambers, R. J., Goldberg, L. & Mathews, R. L.  The Accounting Frontier (Cheshire)
Deinzer, H. T.  Development of Accounting Thought (Holt, Rinehart & Winston)
Goldberg, L.  An Inquiry into the Nature of Accounting (American Accounting Association)
Hendrikson, E. S.  Accounting Theory (Irwin)
Ijiri, Y.  The Foundation of Accounting Management (Prentice-Hall)
Kuhn, Thomas S.  The Structure of Scientific Revolution (University of Chicago Press)
Mattessich, R.  Accounting and Analytical Methods (Irwin)
Moonitz, M. & Littleton, A. C.  Significant Accounting Essays (Prentice-Hall)
Mueller, G. G.  Accounting Practices in the Netherlands (University of Washington)
Mueller, G. G.  Accounting Practices in Germany (University of Washington)
Rigby, P. H.  Conceptual Foundations of Business Research (Wiley)
Scott, D. R.  The Cultural Significance of Accounts (Lucas Bros.)
Sterling, R. R. & Benz, W. F.  Accounting in Perspective (South-Western)
Stone, W. E. (ed.)  Foundations of Accounting Theory (University of Florida)
416104 Accounting and Financial Studies

Note
Enrolment in this subject is restricted to students who have not previously passed any accounting examinations at tertiary level.

Prerequisites
Nil

Hours
A course of 2 lecture hours per week throughout the year

Examination
One 3-hour paper

Content
Accounting for shareholders, creditors, and the government; analysis and interpretation of financial statements; measuring and predicting earnings; concepts of capital value and the evaluation of funds flow; accounting data and its use in interfirm and intrafirm resource allocation; price-level adjusted financial statements. Basic cost accounting; budgeting and budgetary control; standard costing; responsibility accounting; performance evaluation; cost analysis for management decisions including capital expenditure evaluation; capacity utilisation and control, statistical techniques for cost prediction and control.

Texts
Buckley, John W. & Lightner, K. M. Accounting: An Information Systems Approach (Prentice-Hall)

References
Anthony, Robert N. Management Accounting Principles (Irwin)
Black, H. A. Accounting in Business Decisions (Prentice-Hall)
Champion, J. E. & Brown, R. G. The Theory of Finance (Holt, Rinehart & Winston)
Fama, E. F. & Miller, M. H. Investments: Analysis and Management (McGraw-Hill)
Freund, J. E. & Williams, F. J. Cost Accounting — A Managerial Emphasis (Prentice-Hall)
Korn, S. W. & Boyd, T. Accounting for Management Planning and Decision Making (Wiley)

410111 Advanced Auditing

Prerequisites
Auditing (Advisory)

Hours
A course of 2 lecture hours per week throughout the year

Examination
To be advised

Content
An analysis and examination of the developments in the contemporary audit function; testing the validity of traditional auditing processes; electronic processing of data and the related change in audit methodology; advanced statistical applications in auditing; international auditing standards, functions and trends; professional organisation and control of auditing; case studies in auditing; official management, inspection and investigation of companies; accounting reports for prospectus; the audit of governments at their various levels; statutory audit other than companies.

References
Arkin, H. Handbook of Sampling for Auditing and Accounting (McGraw-Hill)
Baker, R. E. Cases in Auditing (Prentice-Hall)
Boutell, W. S. Contemporary Auditing (Dickenson)
Brasseaux, J. H. & Edwards, J. D. Readings in Auditing (South-Western)
Carmichael, D. R. The Auditor's Reporting Obligation (A.I.C.P.A.)
Carmichael, D. R. & Willingham, J. J. Perspectives in Auditing (McGraw-Hill)
Cooper, V. R. V. Manual of Auditing (Gee & Co.)
Irish, R. A. Auditing (4th ed. Law Book Co.)
Mautz, R. K. & Sharaf, H. A. The Philosophy of Auditing (American Accounting Association)
Porter, W. T. Auditing Electronic Systems (Wadsworth)
Vance, L. L. Statistical Sampling for Auditors and Accountants (Wiley)
Waldron, R. S. Dicksee's Auditing (Gee & Co.)
410103 Commercial Programming

Prerequisites
Nil

Hours
A course of 2 lecture hours per week throughout the year

Examination
Two 3-hour papers

Content
Basic concepts of file handling and file maintenance, including file creation and processing.
Flow charting; file merging and updating of transactions; tape blocking and buffering.
General run types including editing, searching, and sorting. Direct access versus serial; random or sequential organisation; Rerun techniques; verifying programme accuracy; table lookup; programme documentation and use of test data.
COBOL as a business data processing and file organisation language. Extensive practical work in COBOL, including case studies.

Texts
Farina, M. V. Cobol Simplified (Prentice-Hall)
Watters, J. L. Cobol Programming (Heinemann)

References
Clifton, H. D. Systems Analysis for Business Data Processing (Business Books)
I.C.L. 1900 Series Cobol Manual
Stern, N. B. & R. A. Cobol Programming (Wiley)

410104 Corporate Strategy

Prerequisites
Nil

Hours
A course of 2 lecture hours per week throughout the year

Examination
One 3-hour paper

Content
Sociological Aspects of Management (Advisory)

Texts
Australian Tax Planning (Butterworths)
Australian Income Tax Law and Practice (Butterworths) and Butterworths Taxation Service
Australia Federal Tax Reporter
Superannuation Planning in Australia (C.C.H.)

References
Adams, P. R.
Bock, F. C. & Mannix, E. F.
C.C.H.
Knight, E. S. et al.

410114 Behavioural and Social Framework in Business

Prerequisites
Sociological Aspects of Management (Advisory)

Hours
A course of 2 lecture hours per week throughout the year

Examination
One 3-hour paper

Content
There are two major strands, viz. behavioural and social. The subject is a comprehensive survey of both fields and is designed to serve as a basis for advanced courses in the behavioural and social areas.
(1) Topics in the behavioural strand include models of individual behaviour and basic psychological functions.
(2) Topics in the social strand include formal and informal organisational structures and processes. The relation between organisation and the environment.

Texts
Brown, W. L. Organization (Penguin Management Series)
Kelly, J. Organisational Behaviour (Irwin)

References
Byrt, W. J.
Hunt, J. W.
Porter, D. E., Applewhite, P. B. & Missiau, M. J.
Pugh, D. S., Hickson, D. J. & Hinings, C. R.

Writers on Organisations (McGraw-Hill)
The Restless Organisation (Wiley International)
Studies in Organisational Behaviour and Management (London, Intext Educational Publishers)
Writers on Organisations (2nd ed. Penguin Modern Management)
Content

An integrating course with a general management point of view. Includes evaluation, determination, implementation and administration of policies of the business enterprise. The course utilizes case studies and a computerized business policy game.

Texts

Cotter, R. V. The Business Policy Game (Appleton-Century-Crofts)
Newman, W. H. & Logan, J. P. Strategy, Policy and Central Management (South-Western)

References

Ackoff, R. L. A Concept of Corporate Planning (Wiley-Interscience)
Ansoff, H. J. Corporate Strategy (McGraw-Hill)
Argenti, J. Corporate Planning (George Allen & Unwin)
Broom, H. M. Business Policy and Strategic Action (Prentice-Hall)
Hutchinson, J. G. Readings in Management Strategy and Tactics (Holt, Rinehart & Winston)
Katz, R. L. Cases and Concepts in Corporate Strategy (Prentice-Hall)

410123 Finance

Prerequisites Nil
Hours A course of 2 lecture hours per week throughout the year
Examination One 3-hour paper

Content

Objective of the firm and the role of capital markets; implications for: selection of alternative investments (capital budgeting), financial structure and dividend policy, cost of capital, management of short term assets and liabilities, takeovers and mergers; portfolio theory, portfolio management and evaluation; efficient capital markets theory; technical analysis; evaluation of securities.

Texts To be advised

430102 International and Interstate Business Law

Prerequisites Legal Studies I
Hours A course of 2 lecture hours (or seminar) per week throughout the year

Examination

Continuous assessment during the year (whether with or without an end of year examination) in which students will be required to produce several assignments, some under examination conditions and some not.

Content

See Department of Legal Studies, page 114.

410110 Research Essay

Prerequisites Nil

Content

All students enrolled for the Research Essay are required to attend a course in Research Methodology which will be offered for 1 hour per week during Term 1.

The Research Essay (one copy only) should normally be submitted by the first day of the third term.

Texts

Berenson, C. & Coulton, R. Research and Report Writing for Business and Economics (Random House)
Rigby, P. H. Conceptual Foundations of Business Research (Wiley)

References

Strunk, W. & White, E. B. The Elements of Style (Macmillan)
DEPARTMENT OF ECONOMICS

421101 Microeconomics

Prerequisites Nil

Hours 2 lecture hours per week + 1 tutorial hour per fortnight

Examination One 3-hour paper

Content
Microeconomics is the branch of economics that is concerned with the behaviour of individual consumers, firms and resource owners.
The course begins with a brief introductory account of the major problems of economics and the methods of economic analysis. It then reviews the theory of individual and market demand. After an analysis of the production function and costs of production, it examines the theory of firms' price and output policies in different market situations, paying attention to the results of both theoretical and empirical studies. The final section is concerned with the analysis of pricing and employment of productive resources.

Suggested Preliminary Reading
Hancock, K. & Wallace, R.

Texts
One of the following
OR Mansfield, E. Microeconomics, Theory and Applications (Norton 1970)

References
Breit, W. & Hochman, H. M. Readings in Microeconomics (2nd ed. Holt, Rinehart & Winston 1971)
Clower & Due Microeconomics (Irwin 1972)
Mansfield, E. Microeconomics — Selected Readings (Norton 1971)
Shows, E. W. & Burton, R. H. Microeconomics (Heath 1972)

421106 Economic Statistics I

Prerequisites Nil

Hours 2 lecture hours per week + 1 tutorial hour per fortnight

Examination One 3-hour paper

Content
This is an introductory course aimed at giving students an understanding of the more basic statistical methods used in business and economics. The course commences with an examination of the place of, and need for, statistics in a modern society, and the collection, classification and presentation of statistical data. Methods of describing statistical data, including measures of central tendency and measures of dispersion, are dealt with.

All students follow a common programme during Term 1 but provision has been made for a division into two separate courses for the remaining two terms. For convenience these courses have been labelled Economic Statistics I(a) and Economic Statistics I(b).

The Economic Statistics I(a) course has been designed for students who intend to concentrate on statistics and econometrics and/or have a "stronger" mathematical or statistical background. It is anticipated that only those students following the I(a) course would proceed to Statistical Analysis and Econometrics.

Economic Statistics I(b) is a general course designed primarily for those students who intend to include only one unit of statistics in their degree. Topics treated during Second and Third Terms include simple linear regression and correlation, the analysis of time series, including trend and seasonal variation and the computation of index numbers. There is also some introduction to the theory of probability and to sampling and sampling distributions.
**Suggested Preliminary Reading**

Moroney, M. J.  
*Facts from Figures* (Pelican)

Yeomans, K. A.  

**Texts**

Neter, J., Wasserman, W. & Whitmore, G. H.  

Whitmore, G. A., Neter, J. & Wasserman, W.  

**References**

Kazmier, L. J.  

Shao, S. P.  
*Statistics for Business and Economics* (Merrill)

Yamane, T.  
*Statistics — An Introductory Analysis* (Harper)

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**421105 Economic History I**

**Prerequisites**  
Nil

**Hours**  
2 lecture hours per week

**Examination**  
One 3-hour paper

**Content**

Economic History I is designed to introduce the first year student to the history of economic development on a worldwide scale. Basic economic theory and principles, historical and modern, are examined and utilized throughout the course. The first half of the year is largely concerned with an analysis of pre-industrial economies and societies, concentrating on the gradual change in Western Europe which culminated in the Industrial Revolution in Britain. The second half of the course deals with the impact of industrialisation on the international economy of the nineteenth century.

**Suggested Preliminary Reading**

Cipolla, C. M.  
*The Economic History of World Population* (Penguin 1970)

Gill, R. T.  

Heilbroner, R. L.  

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**References**

Hughes, J. E. T.  

Kenwood, G. & Lougheed, A.  

Landes, D. (ed.)  
*The Rise of Capitalism* (Collier-Macmillan 1966)

North, D. C. & Thomas, R. P.  
*The Rise of the Western World* (Cambridge University Press 1973)

Supple, B. E. (ed.)  
*The Experience of Economic Growth* (Random House 1963)

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**422108 Economic History II**

**Prerequisites**  
Economic History I

**Hours**  
2 lecture hours per week + 1 tutorial hour per fortnight

**Examination**  
One 3-hour paper

**Content**

The course is concerned with the modern economic history of Europe in the nineteenth and twentieth centuries. While special attention is given to case studies in Britain, Germany and Russia, a more integrated approach to European economic growth will also be considered.

**Texts**  
*Fontana Economic History of Europe* Vols. 3 & 4 (1973)

**References**

Crouzet, F. (ed.)  
*Essays in European Economic History* (Arnold 1969)

Deane, P. & Cole, W. A.  
*British Economic Growth 1688–1959* (Cambridge University Press 1964)

Gerschenkron, A.  
*Economic Backwardness in Historical Perspective* (Harvard University 1969)

Kemp, T.  
*Industrialisation in Nineteenth Century Europe* (Longmans 1969)

Landes, D. S.  
*The Unbound Prometheus* (Cambridge University Press 1969)

Pollard, S. & Holmes, C.  
422101 Macroeconomics

Prerequisites
Microeconomics

Hours
2 lecture hours per week + 1 tutorial hour per week

Examination
One 3-hour paper

Content
This course deals with the determination and measurement of the levels of income, employment and economic activity. Models of closed systems are introduced and the connections between the major aggregate economic variables are outlined. This includes consideration of the factors bearing on major components of aggregate demand and aggregate supply, including the effects of monetary influences. The external sector and the government sector are also incorporated. The emphasis is on short-run models of aggregate economic behaviour, but policy implications are taken into consideration.

Texts
Gensemer, B., Shapiro, E. & Weiss, S. J.
Fiscal Policy in Australia — Theory and Practice (Cheshire 1970)

Shapiro, E.
Macroeconomic Analysis (3rd ed. Harcourt, Brace & World 1974)

References
Ackley, G.
Macroeconomic Theory (Macmillan 1961)

Barrett, N. S.
The Theory of Macroeconomic Policy (Prentice-Hall 1972)

Bober, D.
Economics of Cycles and Growth (Wiley 1967)

Dernberg, T. F. & McDougall, D. M.

Keiser, N. F.
Macroeconomics (Random House 1971)

Keiser, N. F. (ed.)
Readings in Macroeconomics, Theory, Evidence and Policy (Prentice-Hall 1970)

Keynes, J. M.
General Theory of Employment, Interest and Money (Macmillan)

Mueller, M. G. (ed.)
Readings in Macroeconomics (2nd ed. Holt, Rinehart & Winston 1971)

Shapiro, E. (ed.)
Macroeconomics, Selected Readings (Harcourt, Brace & World 1970)

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422109 Economics Honours Seminar I

Prerequisites
Microeconomics

Corequisites
Macroeconomics

Hours
1 seminar hour per week

Examination
One 3-hour paper

Content
This is a seminar programme designed for potential honours graduates and involves in depth treatment and/or extension of topics treated in the Macroeconomics course.

422107 Money and Banking

Prerequisites
Microeconomics

Hours
2 lecture hours per week

Examination
One 3-hour paper

Content
Major aspects of monetary theory, policy and institutions are studied. The following topics are among those considered: the demand for money; the relationship of the real and monetary sectors of the economy; the economics of domestic banking; central banking; techniques of monetary control; supply of money analysis; banking, financial institutions and monetary policy in Australia and other selected economies; international aspects of money, banking and finance.

Suggested Preliminary Reading
Morgan, E. Victor
A History of Money (Pelican 1965)

Texts
Wrightsman, Dwayne

References
Ackley, G. & Barrett, N. S.
The Control of the Money Supply (Penguin 1970)

Gibson, W. E. & Kaufman, G. G. (eds.)
Monetary Economics — Readings on Current Issues (McGraw-Hill 1971)

Kaufman, George G.
Money, the Financial System, and the Economy (Chicago, Rand McNally & Company 1973)

Stanford, Jon D.
Money, Banking and Economic Activity (John Wiley 1973)

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422105 Economic Statistics II

Prerequisites
Economic Statistics I

Hours
2 lecture hours per week

Examination
One 3-hour paper

Content
This course is an introduction to classical statistical inference and to decision theory. In addition, non-parametric methods are examined. Topics considered are: probability, random variables and their distribution, sampling, estimation, hypothesis testing, analysis of variance, regression, decision theory and non-parametric techniques.

References
Chao, L. L. Statistics: Methods and Analyses (McGraw-Hill 1969)
Yamane, T. Statistics: An Introductory Analysis (Harper & Row)

422106 Statistical Analysis

Prerequisites
Economic Statistics I

Hours
2 lecture hours per week

Examination
One 3-hour paper

Content
The first part of this course is concerned with elementary mathematical statistics. This section includes work on probability density functions and their application in statistical inference. In the second part of this course a study is made of the General Linear Normal Regression Model. The third part of this course involves an examination of the utilisation of Input-Output Analysis.

422201 Industry Economics

Prerequisites
Microeconomics

Hours
2 lecture hours per week

Examination
One 3-hour paper

Content
This course is designed to deepen and broaden some microeconomic principles previously acquired and to apply these principles to the problems of industrial structure and organisation with particular reference to Australian industry. The subjects to be treated include:

Suggested Preliminary Reading
Shao, S. P. Statistics for Business and Economics (Merrill)
Chao, L. L. Statistics: Methods and Analyses (McGraw-Hill)
Chiou-Shuang, Yan Introduction to Input-Output Analysis (Rinehart & Winston)

References
Erricker, B. C. Advanced General Statistics (English Universities Press)
Frank, Charles R. Jnr. Statistics and Econometrics (Holt, Rinehart & Winston)
Hoel, Paul G. & Leabo, Dick A. Basic Statistics for Business and Economics (Student ed. Wiley)
Jessen, Raymond J. & L'Esperance, Wilford L. Modern Statistics for Business and Economics (Macmillan)
static competition as a standard of economic performance; the large corporation in modern industry including time and the value of the firm, risk and the value of the firm; imperfect information, the modern industrial firm, integration, diversification and merger, research and technological change; the structure and performance of industry including the organisation of industry, entry and the growth of firms, oligopoly, non-price competition, assessment of performance; the regulation of monopoly and controlling the performance of industry including laws designed to promote competition, competitive market failure, second best price and output, the regulated monopoly firm, and public goods and social choice.

Texts
Sherman, R. The Economics of Industry (Boston, Little, Brown & Company 1974)

References
George, K. D. Industrial Organization (2nd ed. George Allen & Unwin 1974)
Scherer, F. M. Industrial Market Structure and Economic Performance (Rand McNally 1971)
Sheridan, K. The Firm in Australia (Melbourne, Thomas Nelson 1974)
Stubbs, P. The Australian Motor Industry (Melbourne, Cheshire 1972)
Yamey, B. (ed.) Economics of Industrial Structure, Selected Readings (Penguin 1973)

422202 Labour Economics

Prerequisites Microeconomics

Hours 2 lecture hours per week

Examination Assessment in this subject will be based upon written work and one three hour paper

Content
The course is concerned with the economic significance of labour as a factor of production. Areas to be studied include: the supply of labour; the nature and operation of labour markets and labour market policy; the determination of wage rates and wage structures; theoretical approaches to the question of income distribution; wage criteria and wage fixation in the context of arbitration; inflation and the wage-price issue; prices and income policies.

Suggested Preliminary Reading
Horn, R. V. Labour Market Economics — Australia (Cheshire 1974)
Portus, J. H. Australian Compulsory Arbitration 1900–1970 (Hicks Smith & Sons 1971)

Texts
Whitehead, D. Stagflation and Wages Policy in Australia (Longmans 1973)

References
Davidson, P. Theories of Aggregate Income Distribution (Rutgers U.P. 1960)
McCormick, B. J. & Owen-Smith, E. (eds.) The Labour Market (Penguin 1968)
Perlman, R. *Labor Theory* (Wiley 1969)

423104 Growth and Development

**Prerequisites**  Macroeconomics

**Hours**  2 lecture hours per week

**Examination**  One 3-hour paper

**Content**  
The first two terms of this course deal with the dynamics of fluctuations and growth in the framework of an advanced economy. A critical appraisal is undertaken of leading contributions in this field. Topics such as the production function, technical progress and various models of growth are dealt with in detail.

The third term will be devoted to an examination of some problems of economic growth in developing countries. This part of the course will involve a discussion of some simple models of economic development and will continue with reference to some case studies from countries in Asia.

**Suggested Preliminary Reading**  
Bober, Stanley *The Economics of Cycle and Growth* (New York, Wiley 1968)
Enke, S. *Economics for Development* (London, Dobson 1963)

Szentes, T. *The Political Economy of Underdevelopment* (Budapest, Akademiai Kiado 1973)

423102 International Economics

**Prerequisites**  Macroeconomics

**Hours**  3 lecture hours + 1 seminar hour per fortnight

**Examination**  One 3-hour paper

**Content**  
The course begins with an analysis of balance of payments problems and of various policies of adjustment, such as internal expenditure changes, devaluation and revaluation, floating exchange rates and direct controls. It goes on to examine the present international monetary system and its reform. The course then considers certain theoretical aspects of international capital movements and the implications of overseas investment in Australia. This is followed by a study of the theories of international trade in its non-monetary aspects. The theory of restrictions on trade is then discussed, with particular emphasis on the role of tariffs and of customs unions, followed by an assessment of Australian tariff policy. Finally, the course examines the effects of economic growth on trade as well as the role of international trade on economic development.

**Suggested Preliminary Reading**  
Kenen, P. B. *International Economics* (Prentice-Hall)

**Texts**  
OR
Södersten, B. *International Economics* (Macmillan)
423103 Public Economics

Prerequisites
Macroeconomics

Hours
3 lecture hours per fortnight

Examination
One 3-hour paper

Content
The course considers the effect of government intervention in the economy through the budget and through the operation of various publicly-owned business undertakings. At the microeconomics level there is an analysis of tax and expenditure policies. In particular, the effects of these policies on community welfare and on incentives are examined.

The macroeconomic aspects of the budget are also discussed. Aggregate models are used to analyse the relation of fiscal policy to other economic policies for stability and growth. Inter-governmental fiscal relationships and the place of fiscal policy in less developed countries are briefly considered.

Suggested Preliminary Reading

Texts
Allan, C. M. The Theory of Taxation (Penguin)
Fromm, G. & Taubman, P. Public Economic Theory and Policy (Collier-Macmillan)
Nevile, J. W. Fiscal Policy in Australia (Cheshire)

References
Bhagwati, J. (ed.) International Trade (Penguin Readings)
Caves, R. E. & Readings in International Economics (Allen & Unwin)
Johnson, H. G. (eds.) World Trade and Payments: An Introduction (Little, Brown)
Cooper, R. R. (ed.) International Finance (Penguin Readings)
McColl, G. D. (ed.) Overseas Trade and Investment (Pelican Readings)
Wells, S. J. International Economics (Allen & Unwin)

423105 Economics Honours Seminar II

Prerequisites
Macroeconomics

Corequisites
Two of: Growth and Development International Economics Public Economics

Hours
1 ½ seminar hours per week, alternating between the two subjects selected

Examination
One 3-hour paper

Content
Work in at least two of the areas of Public Economics International Economics and Growth and Development

423203 History of Economic Thought

Prerequisites
Macroeconomics

Hours
2 lecture hours per week

Examination
One 3-hour paper

Content
The course is designed to provide historical perspective and an integrating view of the subject matter of other courses in economic analysis. The following contributions to economic thought are examined — the Greek analysts, the early and later Scholastics, the Mercantilists, the Physiocrats, the Classicists (including Adam Smith, Malthus, Ricardo and J. S. Mill), the marginal utility theorists, the general equilibrium school and the Austrian school.
423208 Econometrics I

Prerequisites
Economic Statistics II or Statistical Analysis

Hours
2 lecture hours per week

Examination
One 3-hour paper

Content
A knowledge of matrix algebra and of the mathematical statistics dealt with in Statistical Analysis is recommended for students attempting this course. The course is concerned with examining the usefulness of single equation regression analysis in applied economic research and also with providing an introduction to simultaneous estimation procedures.

Texts
Johnston, J.

References
Fox, K. A.
Goldberger, A.
Hadley, G.
Huang, D. S.
Kmenta, J.
Koutsouyannis, A.
Wonnacott, R. J.
Wonnacott, T. H.

423204 Mathematical Economics

Prerequisites
Macroeconomics

Advisory Prerequisite
Second Level Short Course Mathematics or its equivalent

Hours
2 lecture hours per week

Examination
One 3-hour paper
Content
The first part of the course is concerned with the mathematical reformulation and interpretation of traditional micro- and macro-economic theory. The second part of the course deals with modern capital and growth theory and mathematical programming.

The level of mathematics assumed in this course is the advisory prerequisite for the Faculty of Economics and Commerce - Second Level Short Course Mathematics, or its equivalent.

Texts
Dernburg, Thomas F. & Dernburg, Judith D. 
*Macroeconomic Analysis: An Introduction to Comparative Statics and Dynamics* (Reading, Addison-Wesley 1969)

Henderson, James M. & Quandt, Richard E. 

References
Bowers, David A. & Baird, Robert N. 

Casson, Mark 

Gandolfo, Giancarlo 
*Mathematical Methods and Models in Economic Dynamics* (Amsterdam, North-Holland 1971)

Hadar, Josef 
*Mathematical Theory of Economic Behaviour* (Reading, Addison-Wesley 1971)

Hadley, G. & Kemp, M. C. 
*Finite Mathematics in Business and Economics* (Amsterdam, North-Holland 1972)

Hamberg, Daniel 

Kogiku, K. C. 

Kogiku, K. C. 

Neher, Philip A. 
*Introduction to Mathematical Economics* (Lexington, Heath 1971)

423205 Computer Applications and Systems

Prerequisites
Macroeconomics

Hours
2 lecture hours per week

Examination
Progressive Assessment + two 2-hour papers

Content
This course consists of two distinct sections:
I. Basic introduction to data processing concepts: discusses the hardware, software and general systems design implications of each of five common data processing systems — (1) Unit Record, (2) Punch Card Computer, (3) Magnetic Tape Computer, (4) Random Access Computer, (5) Real Time Computer. (No programming instruction is involved.)

II. Econometric applications of computers in the areas of regression analysis, linear programming, network analysis, simulation modelling, time series analysis. The approach is descriptive emphasising the types of problems to which each method is generally applied, the definitions and assumptions underlying the method and the general computer procedures necessary. (No mathematical experience or exposition is required.)

References

Section I
Awad, E. 
*Business Data Processing* (Prentice-Hall)

Chandor, Graham & Williamson 
*Practical Systems Analysis* (Hart-Davis)

Dippel & House 
*Information Systems* (Scott Foresman)

Sanders, D. 
*Computers in Business* (McGraw-Hill)

Section II
Baumol 
*Economic Theory and Operations Analysis* (Prentice-Hall)

Forrester 
*Industrial Dynamics* (Wiley)

Lange, O. 
*Introduction to Econometrics* (Pergamon)

Stilian, et al. 
*PERT (A.M.A.)*

Theil, Boot & Klock 
*Operations Research and Quantitative Economics*

Tintner, G. 
*Econometrics* (Wiley)

423206 Labour Relations

Prerequisites
Labour Economics

Hours
2 lecture hours per week + 1½–2 seminar hours each fortnight

Examination
Assessment in this subject will be based upon seminar work, a research assignment and one three-hour paper
Content
In this course the institutional frameworks of Australian and a number of other industrial relations systems are examined. The interaction of economic and institutional factors in the labour sector is analysed. Particular emphasis is placed on an exploration of the nature of industrial conflict and on the study of conflict resolution.

The following topics are included: theoretical approaches to industrial relations; theories of organised labour; the history of trade unionism in Australia; the rise of the modern corporation and its implications for industrial relations; an international comparison of some national industrial relations systems with emphasis on goals, structure and methods of the parties involved and methods of rule determination in the work place; strike patterns in Australia; industry patterns of industrial relations in Australia.

Texts
Chamberlain, N. W. & Kuhn, J. W.  
Hyman, R.  
Strikes (Fontana-Collins 1972)
Isaac, J. E. & Ford, G. W. (eds.)  
Australian Labour Relations: Readings (2nd ed. Sun Books 1971)
Kerr, C. et al.  
Industrialism and Industrial Man (Penguin 1973)
Matthews, P. W. D. & Ford, G. W. (eds.)  
Australian Trade Unions (Sun Books 1968)
Walker, K. F.  
Australian Industrial Relations Systems (Harvard University Press 1970)

References
Beal, E. F., Wickersham, E. D. & Kienast, P.  
Child, J.  
Unionism and the Labor Movement (Macmillan 1971)
Dunlop, J. T.  
Industrial Relations Systems (Southern Illinois University Press 1971)
Eldridge, J. E. T.  
Sociology and Industrial Life (Michael Joseph 1971)
Flanders, A. (ed.)  
Collective Bargaining (Penguin 1969)
Howard, W. & Riach, P.  
Productivity Agreements and Australian Wage Determination (Wiley 1973)
Ironmonger, J., Merritt, J. A. & Osborne, G. (eds.)  
Strikes: Studies in Australian Social History (Angus & Robertson 1973)
Selekman, B. M. et al.  
Somers, G. G. (ed.)  
Essays in Industrial Relations Theory (Iowa University Press 1969)
Warner, M. (ed.)  
The Sociology of the Workplace (George Allen & Unwin 1973)

424100 Economics IV — (Advanced Economic Analysis)

Content
Students are offered a choice between alternative programmes:
(i) Topics chosen from those listed below comprising at least 4 units plus a thesis embodying results of a research investigation.
   OR
(ii) Topics chosen from those listed below comprising at least 6 units.

In 1975 the topics to be offered are:
Microeconomic Theory 1 unit
Macroeconomic Theory 1 unit
Welfare Economics ½ unit
Economic Planning 1 unit
Economic Development 1 unit
History of Modern Economic Thought ½ unit
Regional Economics ½ unit
Urban Economics ½ unit
Econometrics II 1 unit
Transport Economics ½ unit
Special Topic (Environmental Economics) ½ unit
   Plus
Addition Econometrics I (Where approved) 1 unit

424103 Microeconomic Theory

Prerequisites  
Requirements for Honours degree
Hours  
2 lecture hours per week
Examination  
One 3-hour paper
Microeconomic theory is developed in this course with policy applications in mind. Topics include: recent advances in demand and production theory, equilibrium theories of markets and the correspondence principle, Pareto optimality, market failure including decreasing costs, uncertainty, second-best solutions, recent developments in oligopoly theory, an examination of variations in the quality of products and in product differentiation with market structure, resource allocation over time, implications of uncertainty and learning for economic behaviour and planning, economic and social mechanisms for adjusting to risk and their limitations, aspects of centralisation and decentralisation in economic systems, elements of ecological economics.

**Texts**

Henderson, J. M. & Quandt, R. E.  
Tisdell, C.  
*Microeconomics: The Theory of Economic Allocation* (John Wiley & Sons Australasia 1972)

**References**

No single text is suitable for the whole of this course and a full reading list will be supplied. Background texts of relevance include:

Becker, G.  
*Economic Theory* (Knopf 1971)
Brems, H.  
*Quantitative Economic Theory* (John Wiley & Sons Inc. 1968)
Horowitz, I.  
Intriligator, M. D.  
*Mathematical Optimization and Economic Theory* (Prentice-Hall 1971)
Samuelson, P. A.  
*Foundations of Economic Analysis* (Harvard University Press 1947)

**424114 Macroeconomic Theory**

**Prerequisites**  
Requirements for Honours degree

**Hours**  
2 lecture hours per week

**Examination**  
One 3-hour paper

**Content**

The course starts with the study of the static Keynesian theory of national income determination, the multiplier analysis, the demand and supply of money, the term structure of interest rates, consumption and investment functions and the microeconomic foundations of macro theory. It proceeds to the analysis of dynamic problems of business cycles and economic growth. The last part of the course deals with the theory of economic policy. Special considerations are given to the problems of stagflation and economic growth.

**References**

Aschheim, J. & Hsieh, C. Y.  
*Macroeconomics — Income and Monetary Theory* (Merrill 1969)
Bailey, M. J.  
Baird, C. W.  
*Macroeconomics: An Integration of Monetary, Search and Income Theories* (Science Research Associates)
Evans, M. K.  
Gurley, J. C. & Shaw, E. S.  
Hagger, A. J.  
*Price Stability, Growth and Balance* (Cheshire 1968)
Hansen, B.  
Johnson, H. G.  
*Macroeconomics and Monetary Theory* (Gray Mills)
Keynes, J. M.  
*The General Theory of Employment, Interest and Money* (Harcourt, Brace & World 1936)
Leijonhufvud, A.  
*On Keynesian Economics and the Economics of Keynes* (Oxford University Press 1968)
Patinkin, D.  
*Money, Interest and Prices* (2nd ed. Harper & Row 1965)
Pesek, B. P. & Saving, T. R.  
Smith, W. L. & Teigen, R. (eds.)  
*Readings in Money, National Income and Stabilization Policy* (Irwin)

**424105 Welfare Economics**

**Prerequisites**  
Requirements for Honours degree

**Hours**  
2 lecture hours per fortnight

**Examination**  
One 3-hour paper

**Content**

The overall purpose of this course is to develop an awareness of the limitations of basic economic theory in guiding policy which is aimed
at improving the economic welfare of society. It begins with a critical appraisal of welfare maximisation — both by the classical marginal approach as well as that of conflict theory. It then traces the development of criteria for welfare improvement and compensation tests, from Pareto and Pigou to the present. It concludes with an examination of the problems encountered in using known individual preferences to derive acceptable social choice rules. Throughout, the crucial roles of value judgments and interpersonal comparisons are stressed and illustrated.

References

Arrow, K. J.  
Social Choice and Individual Value (Wiley 1951)

Arrow, K. J. & Scitovsky, T.  
Readings in Welfare Economics (Richard Irwin 1969)

Boulding, K. E.  
Conflict and Defence (Harper 1962)

Mishan, E. J.  

Nath, S. K.  
A Reappraisal of Welfare Economics (Routledge & Kegan Paul 1969)

Winch, D. M.  
Analytical Welfare Economics (Penguin 1972)

424106 Economic Planning

Prerequisites  
Requirements for Honours degree

Hours  
2 lecture hours per week

Examination  
One 3-hour paper

Content

This course concerns itself with the study of the theory and implementation of economic planning, with particular emphasis on the economic behaviour of the system as a whole rather than the behaviour of households and firms. The first half of the course deals with the logic, properties and operational aspects of planned systems in command economies as well as mixed economic systems, followed by a brief digression into some technical aspects of planning, e.g., input-output systems, shadow pricing and linear programming. This is followed by case studies of applied planning systems, with an emphasis on meaningful cross-country comparisons.

The course is as free of ideological bias as humanly possible and, for convenience, ignores problems of statistical estimation.

References

Chakravarty, S.  
The Logic of Investment Planning (North-Holland Publishing Co. 1968)

Halm, G. N.  

Heal, G. M.  

Kohler, H.  

Lange, O. & Taylor, F. M.  
On the Economic Theory of Socialism (McGraw-Hill Book Co. 1964)

424107 Economic Development

Prerequisites  
Requirements for Honours degree

Hours  
2 lecture hours per week

Examination  
Progressive assessment + one 3-hour paper

Content

The course commences with an examination of some of the economic and social features of the less developed countries. The relative importance of the major industrial sectors, distribution of the labour force and importance of the export sector are among features examined with reference to data from a number of these countries.

Some theoretical models are then introduced and appraised, including those by Fei and Ranis, Rostow and Lewis.

This is followed by a more detailed look at policies and institutions within individual sectors such as agriculture, industry and the export sector, using examples from particular less developed countries, mainly within South Asia and in the light of the theoretical concepts developed earlier.

Finally some recent issues in the field will be discussed including the effect of foreign aid on economic development, the role of the public sector and the feasibility of economic co-operation between the less developed countries.

Texts

Meier, G. M. (ed.)  
Leading Issues in Economic Development (Oxford University Press 1970)

Szentes, T.  
The Political Economy of Underdevelopment (Budapest, Akademiai Kiado 1971)
### References

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Publisher/Year</th>
</tr>
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<tr>
<td>Bauer, P. T. &amp; Yamey, B. S.</td>
<td><em>The Economics of Underdeveloped Countries</em></td>
<td>Cambridge University Press 1973</td>
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<tr>
<td>Enke, S.</td>
<td><em>Economics for Development</em></td>
<td>Dobson Books 1972</td>
</tr>
<tr>
<td>Hagen, E. E.</td>
<td><em>The Economics of Development</em></td>
<td>Irwin 1968</td>
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### 424108 History of Modern Economic Thought

**Prerequisites**
- Requirements for Honours degree

**Hours**
- 2 lecture hours per week

**Examination**
- One 3-hour paper

**Content**

The significance of contemporary economic analysis cannot be appreciated fully without an awareness of the thought of earlier economists. Such awareness provides perspective for judgment of the strengths and weaknesses of the analytical tools and techniques fashionable in currently orthodox economics.

This course offers a perspective based on consideration of economic thought in the decades immediately preceding "the Keynesian revolution", the popularisation of econometrics and other notable developments. The period dealt with ranges from 1890 to the mid 1930's. Special attention is paid to British economic thought from Alfred Marshall to John Maynard Keynes and to American economic thought from John Bates Clark to Wesley C. Mitchell. Leading Continental contributions are also considered.

**Texts**

- *Economic Thought of the Twentieth Century* (Martin Robertson 1972)

### 424109 Regional Economics

**Prerequisites**
- Requirements for Honours degree

**Hours**
- 2 lecture hours per week

**Examination**
- Progressive assessment + one 2-hour paper

**Content**

This course concerns itself with the application of economic analysis to the economic activity and problems of sub-national areas, defined by homogeneity, nodality or programming criteria. Topics covered include: regional accounts, input-output descriptions of regional economies and gravity models; regional income determination and regional growth; impact of growth on the economic structure of regions; regional impacts of national policy and the design of regional policy under the dual constraints of national objectives and regional structure. Selected case studies stress cross-country comparisons of regional policies.

**Texts**

- *Australian Urban and Regional Development* (ANZ Book Co. 1974)

**References**

- *Problems of Regional Economic Planning* (Edinburgh University Press 1966)
- *Regional Development and Planning: A Reader* (Massachusetts Institute of Technology Press 1964)
Isard, W.  
Methods of Regional Analysis (Massachusetts Institute of Technology Press 1960)

Needleman, L. (ed.)  
Regional Analysis (Penguin Modern Economics 1968)

Nourse, H. O.  

424110 Urban Economics

Prerequisites  
Requirements for Honours degree

Hours  
1½ lecture hours per week

Examination  
Progressive assessment

Content

This course provides a survey of the economic issues arising within the particular framework of the urban or metropolitan environment. The course includes discussion of the following topics: the relation of cities to the national and regional economy; the interrelation of cities in urban networks; central place theory and location analysis; housing and land use theory; urban economic development and growth; techniques of urban analysis; urban sociology; urban planning, public policy and welfare.

Texts

Edel & Rothenburg  
Readings in Urban Economics (Macmillan)

References

Dickinson, R. E.  
City and Region (Routledge & Kegan Paul)

Fisher  
The Metropolis in Modern Life (Russell & Russell)

Hauser & Schnore  
The Study of Urbanization (John Wiley & Sons)

Hoover, E.  
The Location of Economic Activities (McGraw-Hill)

Isard, Walter  
Location and Space Economy (John Wiley & Sons)

Mayer & Kohn  
Readings in Urban Geography (University of Chicago Press)

Perloff & Wingo  
Issues in Urban Economics (Johns Hopkins University Press)

424111 Econometrics II

Prerequisites  
Requirements for Honours degree

Hours  
2 lecture hours per week

Examination  
One 3-hour paper

Content

This course is basically a continuation of Econometrics I, with its prime interest being on the problems involved in econometric model building and simultaneous estimation. Each student enrolling will be expected to complete a piece of applied econometric research.

References

Brown, T. M.  
Specification and Use of Econometric Models (Macmillan)

Christ, C. F.  
Econometric Models and Methods (John Wiley & Sons)

Dhrymes, P.  
Econometrics, Statistical Foundations and Applications (Harper & Row)

Hood, W. C. & Koopmans, T. C.  
Studies in Econometric Method (John Wiley & Sons)

Klein, L. R., Evans, M. K. & Harley, M.  
Econometric Gaming (Macmillan)

Malinvaud, E.  
Statistical Methods of Econometrics (North-Holland Publishing Co.)

Theil, H.  
Principles of Econometrics (North-Holland Publishing Co.)

424112 Transport Economics

Prerequisites  
Requirements for Honours degree

Hours  
2 lecture hours per week

Examination  
One 3-hour paper

Content

The course will consist of two parts:
(a) an economic survey of British transportation from the seventeenth to the twentieth century and
(b) a closer examination of some problems posed by the widespread
use of the automobile from both an historical and an analytical
point of view.

Among some of the topics discussed are the following: changing
technology in transportation; transportation and suburbanisation; the
railway contribution to economic growth; urban transportation and
social divisions; alternative explanations for traffic congestion; the role
of public transport in the reduction of traffic congestion; transportation
systems and governmental ownership; comparative costs and the value
of motorways.

Texts

Dyos, H. J. & Aldcroft, D. H.  
 British Transport (Leicester University Press)

References

Barker, T. C. & Robbins, M.  
 (George Allen & Unwin)

Fogel, F. W.  
 Railroads and American Economic Growth  
 (Johns Hopkins University)

Hawke, G. R.  
 Railways and Economic Growth in England and
Wales 1840–1870 (Oxford University Press)

Winch, D. M.  
 The Economics of Highway Planning  
 (University of Toronto Press)

424113 Environmental Economics

Prerequisites  
Requirements for Honours degree

Hours  
1½ lecture hours per week

Examination  
One 2-hour paper

Content

In each year it is intended to offer a Special Topic which will be a
half-year course. In 1975 the Special Topic will be Environmental
Economics.

This course is concerned with the environmental impact of our growing
economy. It considers policies that may help to redirect technological
and demographic momentum. More particularly, topics covered include
fertility reduction, externalities, prohibitive law, pollution control,
cost-benefit analysis, conservation, resource exhaustion, urban environ-
mental problems and the debate on economic growth.

References

Barckley, P. W. & Seckler, D. W.  
 Economic Growth and Environmental Decay  
 (Harcourt, Brace & Jovanovich 1972)

Dorfman, R. & Nancy S. (eds.)  
 Economics of the Environment (Norton 1972)

Ehrlich, P. R. & Anne H.  
 Population, Resources and Environment  
 (Freeman 1970)

Mishan, E. J.  
 Managing the Environment: An Economic
Primer (Basic Books 1972)

431100 Legal Studies I

Prerequisites  
Nil

Hours  
2 lecture hours and 1 tutorial hour

Examination  
Continuous assessment during the year (whether with or without an
end of year examination) in which students will be required to produce
several assignments, some under examination conditions and some not.

Content

A. The nature and purpose of law; basic legal concepts; organization
of law; sources of law; the structure and workings of our courts,
parliamentary systems, and the legislative process.

B. A study of some areas of substantive law by way of a study of
topics (yet to be selected) in some depth from among the following:
the law of contract; the law of tort; criminal law; civil liberties and
constitutional law.

Suggested Preliminary Reading

Baalman, J.  
 Outline of Law in Australia (Law Book Co.)

Graveson, R. H.  
 Law: An Outline for the Intending Student
(Routledge & Kegan Paul)

Maher, R. K., Waller, L. & Derham, D. D.  
 An Introduction to Law (Law Book Co.)

Sawer, G.  
 The Australian and the Law (Pelican Original)

Shtein, B. J. L. & Lindgren, K. E.  
 Introduction to Business Law (Law Book Co.)

Williams, G. L.  
 Learning the Law (Stevens)
Students will be informed at the first class of books which it is essential for them to possess. In addition, roneoed material will be made available by the Department of Legal Studies.

References
Campbell, E. & Whitmore, H.  *Freedom in Australia* (Sydney University Press)
Lumb, D.  *The Constitutions of the Australian States* (University of Queensland Press)
Mayer, H. (ed.)  *Australian Politics* (Cheshire)
Potter, H.  *Historical Introduction to English Law* (Sweet & Maxwell)
Sawer, G.  *Australian Government Today* (Melbourne University Press)
Vermeesch, R. B. & Lindgren, K. E.  *Business Law of Australia* (Butterworths)

432100 Legal Studies II

Prerequisites  Legal Studies I

Hours  2 lecture hours and one tutorial hour

Examination
Two papers. Students will be permitted to take copies of the Statutes referred to in the Reading Guide and lists of cases to be supplied during the course into the annual examination, provided the copies are not marked otherwise than by underlining.

Content

A. Law relating to Commercial Transactions
Elements of law relating to commerce with emphasis on the consumer: a further study of the law of contract with emphasis on special contracts of relevance to commerce, such as sale of goods and hire purchase; legal concepts (e.g. property, ownership, possession, trusts, agency); bailment; securities (e.g. mortgages, bills of sale, liens, etc.); statute and common law affecting the consumer.

B. Law relating to Business Organisation
Sole trader, partnership and company law.

Note
Law Relating to Business Organisation will form approximately one-half of the course.

Texts
Vermeesch, R. B. & Lindgren, K. E.  *Business Law of Australia* (Butterworths)

References
Students will be informed at the first class of the books which it is essential for them to possess.

Afterman, A. B. & Baxt, R.  *Cases and Materials on Corporations and Associations* (Law Book Co.)
Afterman, A. B.  *Company Directors and Controllers* (Law Book Co.)
Collinge, J.  *The Law of Marketing in Australia and New Zealand* (Thesaurus)
Collinge, J.  *Tutorials In Contract* (Law Book Co.)
Ford, H. A. J.  *Principles of Company Law* (Butterworths)
Gower, L. C. B.  *Modern Company Law* (Stevens) with *Australian Supplement by Kavass & Baxt* (Law Book Co.)
Hahlo, H. R.  *A Casebook on Company Law* (Sweet & Maxwell)
Mason, H. H. & O'Hair, J. S.  *Palmer's Company Law* (Stevens)
Schmitthoff, C. M. & Thompson, J. H. (eds.)  *Introduction to Business Law* (Law Book Co.)
Shtein, B. J. L. & Lindgren, K. E.  *Casebook on Australian Company Law* (Butterworths)
### 433100 Legal Studies III

**Prerequisites**
Legal Studies II

**Hours**
2 lecture hours and one tutorial hour

**Examination**
Students will be advised of the respective methods of examination for the three parts of the course by the lecturers responsible for those parts of the course. Generally however, there will be substantial reliance on through-the-year essays and assignments.

**Content**
The course is a study of the modern corporation in society. It is divided into three sections: a Term of administrative law; a Term on the corporation and restrictive trade practices; and a Term of interdisciplinary study of the corporation as a legal, commercial and social unit with reference to the historical development of the corporation, the corporation's power in the Australian Constitution, the legal powers and responsibilities of corporate management, legal aspects of the financing of Australian Corporations, the corporation and industrial property, the corporation and problems relating to the environment, crime and criminology, and consumerism.

**Texts**
- Principles of Australian Administrative Law (Law Book Co.)
- The Corporation and Australian Society (Law Book Co.)
- Benjafield, D. G. & Whitmore, H.
- Lindgren, K. E., Mason, H. H. & Gordon, B. L. J.

### 433200 Industrial Law

**Prerequisites**
Nil

**Hours**
2 lecture hours and one tutorial hour

**Examination**
Two papers. Students will be permitted to take into the examination copies of Statutes as advised and lists of cases to be supplied during the course, provided the copies are not marked otherwise than by underlining.

**Content**
A study of industrial law divided into two broad parts: a study of the law affecting the individual employer and employee; and a study of the law affecting employer- and employee-groups. The first part includes analysis and description of the master-servant relationship at common law; duration, termination and terms of the contract of service; remedies for breach by either party of the contract of service; promises in restraint of trade; the doctrine of vicarious liability; the employer's duty of care at common law; the employer's statutory duties; the employer's defences to an employee's action for damages; workers' compensation. The second part includes an examination of the constitutional background of industrial legislation; the legal framework of the Federal and State systems of conciliation and arbitration; strikes and lockouts; special "industrial torts"; enforcement and penal provisions; standard working hours and leave with pay; wage fixation; legal status of industrial organisations.

**Suggested Preliminary Reading**
- Sykes, E. I. The Employer, the Employee and the Law (3rd ed. Law Book Co.)
430101 Advanced Company Law

Prerequisites
Legal Studies II

Hours
2 lecture (or seminar) hours per week

Examination
Students will be examined by way of a number of essay and problem type assignments throughout the year.

Content
The course is a study at postgraduate level of certain areas of company and related law, some of which are not dealt with at all in the typical company law course at undergraduate level, e.g. securities industry law, the corporations' power in the Commonwealth Constitution. As well, many of the classical topics of company law will be studied in depth, e.g. duties of directors; the nature of the contract comprised in the registered company's memorandum and articles of association; the legal nature of shares and debentures; the legal relationships between the company and outside contracting parties, the company's management; insider trading; abuse of corporate opportunity; minority oppression.

Texts

Afterman, A. B. Company Directors and Controllers (Law Book Co.)

Gower, L. C. B. Modern Company Law (Stevens) with Australian Supplement by Kavass & Baxt
References

Afterman, A. B. & Baxt, R.
Ford, H. A. J.
Hahlo, H. R.
Lindon, J. B. (ed.)
Paterson, W. E. & Ednie, H. H.
Schmitthoff, C. M. & Thompson, J. H. (eds.)
Wallace, The Hon. G. & Young, J. McL.

Cases and Materials on Corporations and Associations (Butterworths)
Principles of Company Law (Butterworths)
A Casebook on Company Law (Sweet & Maxwell)
Buckley on the Companies Act (Butterworths)
Australian Company Law Service (Butterworths)
Palmer's Company Law (Stevens)
Companies Act, 1961 (N.S.W. Government Printer)
Securities Industry Act, 1970 (N.S.W. Government Printer)
 Marketable Securities Act, 1970 (N.S.W. Government Printer)

430102 International and Interstate Business Law

Prerequisites
Legal Studies I

Hours
2 lecture (or seminar) hours per week

Examination
Continuous assessment during the year (whether with or without an end of year examination) in which students will be required to produce several assignments, some under examination conditions and some not.

Content
The course will cover the aspects of the law itemised below. The aim will be to give an outline framework of all the areas mentioned with in-depth discussion of very specific topics chosen because of their basic significance, current interest, or relevance as illustrations of the legal complexities involved.
1. Carriage of goods by sea — the nature and operation of charter-parties and bills of lading; The Hague Rules.
2. Carriage of goods by air.
5. The law of international financing operations.
6. Customs, excise and tariffs.
7. Commercial problems in the conflict of laws.
8. The multinational corporation — problems of legal control.

Detailed statute and case studies will be used in the course.

Suggested Preliminary Reading

Ivamy, E. R.
Payne and Ivamy's Carriage of Goods by Sea
Hardy (ed.) (9th ed. Butterworths)

Texts
Students will be advised in the first class session of any books which they must possess.

References

Carver, H. Colinvaux
Carriage by Sea (12th ed. Stevens)
Cheshire, G. C.
Private International Law (8th ed. Butterworths)
Fajgenbaum, J. I. & Hanks, P. J.
Australian Constitutional Law (1st ed. Butterworths)
Guest, A. G. (ed.)
Chitty on Contracts (Vol. II only) (23rd ed. Sweet & Maxwell)

430103 Law of Stamp, Death, Gift and Estate Duties

Prerequisites
Legal Studies II

Hours
2 lecture (or seminar) hours per week

Examination
There will be no end-of-year examination. The examination will take the form of two substantial essays and three complex and difficult hypothetical cases.

Content
Study of the Stamp Duties Act, 1920, (N.S.W.), the Gift Duty Act, 1941, (C' th), the Gift Duty Assessment Act, 1941, (C' th), the Estate Duty Act, 1914, (C' th) and the Estate Duty Assessment Act, 1914, (C' th). The constitutional basis for imposition of death duties and the constitutional limits on the respective powers of the Commonwealth and the States in this respect. Categories of actual and notional estate. Trusts and discretionary trusts (including income tax aspects thereof). Estate planning, its social, moral and political aspects. Estate planning schemes which have been judicially considered. Economic aspects of death duties.

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Texts
Ford, H. A. J.

Hill, G. D.

References
Adams, P. R.
Adamson, A. V. & Coorey, M. G.
C.C.H. Australia Limited
Vermeesch, R. B. & Lindgren, K. E.

Principles of the Law of Death Duty (Law Book Co.)
Stamp, Death, Estate and Gift Duties (Law Book Co.)
Estate Duty Act, 1914 (Australian Government Printer)
Estate Duty Assessment Act, 1914 (Australian Government Printer)
Gift Duty Act, 1941 (Australian Government Printer)
Gift Duty Assessment Act, 1914 (Australian Government Printer)
Stamp Duties Act, 1920 (N.S.W. Government Printer)

Australian Tax Planning (Butterworths)
The Valuation of Company Shares and Businesses (Law Book Co.)
Australian Estate and Gift Duty Reporter
Business Law of Australia (Butterworths)

MAJOR SUBJECTS FROM OTHER FACULTIES

Faculty of Arts

351100 Geography I

Prerequisites
Nil

Hours
Two hours lectures, one hour tutorial, three hours practical work per week and four days of field work

Examination
As prescribed by the Head of Department

Content
The subject is designed to introduce students to the cultural aspects of geography, with reference to the broad geographical distribution of culture complexes, and the examination of processes involved in the evolution of culture patterns and culture systems.

Practical courses to extend and enrich this study are also designed to enable students to gain proficiency in and understanding of the tools of geographical analysis. Methods in the cartographic and statistical organisation of geographic data will be studied.

Text

References
Lists will be distributed to students at the commencement of the year, and at appropriate times thereafter.

371100 History I

Aspects of Modern European History, from 1789 onwards

Prerequisites
Nil

Hours
Three hours per week, plus compulsory weekly tutorial

Examination
Sections (a) and (b) will be examined in mid-year. Sections (c) and (d) will be examined at end of year.

Content
This course will treat in depth certain key aspects of modern European History. Each aspect will be studied as a separate unit. The emphasis throughout will be on issues and ideas and no attempt will be made to
present a chronological narrative. In addition, students will be introduced to some of the problems and techniques of historical interpretation.

The subjects for study in 1975 will be: (a) the French Revolution; (b) Industrialisation and Urban Growth; (c) Imperialism; (d) The Challenge to Liberal Ideas: Communism and Fascism.

Students will be expected to become thoroughly familiar with primary source material as well as major secondary works.

**Required Reading**

Wright, D. I.  

**Books Recommended for Purchase**

Ashton, T. S.  
*The Industrial Revolution* (Opus)

Bolton, G.  
*Britain's Legacy Overseas* (Oxford 1973)

Boxer, C. R.  
*The Dutch Seaborne Empire* (Pelican)  
*The Portuguese Seaborne Empire* (Pelican)

Briggs, A.  
*Victorian Cities* (Pelican)

Bullock, A.  
*Hitler* (Penguin)

Cobban, A.  
*The Social Interpretation of the French Revolution* (Cambridge)

Easton, S. C.  
*The Rise and Fall of Western Colonialism* (Frederick A. Praeger)

Fieldhouse, D. K.  
*The Colonial Empires* (Weidenfeld & Nicolson)  
*The Theory of Capitalist Imperialism* (Longmans)

Fried, A. & Sanders, R.  
*Socialist Thought* (Anchor)

Halperin, F. W.  
*Mussolini and Italian Fascism* (Anvil)

Hampson, N.  
*A Social History of the French Revolution* (Routledge paperback)

Hartwell, R. M.  
*The Industrial Revolution and Economic Growth* (Methuen)

Huttenbach, R. A.  
*The British Imperial Experience* (Harper & Row)

Landes, D. S.  
*Unbound Prometheus* (Cambridge)

Lichtheim, G.  
*Imperialism* (Pelican 1974)

Parry, J. H.  
*The Spanish Seaborne Empire* (Pelican)

Seaman, L. C. B.  
*Victorian England: Aspects of English and Imperial History 1837–1901* (Methuen)

Shapiro, L.  
*Liberalism* (Anchor)

Thornton, A. P.  
*Doctrines of Imperialism* (John Wiley)

Weber, E.  
*Varieties of Fascism* (Van Nostrand paperback)

Wilson, E.  
*To the Finland Station* (Fontana)

**Philosophy**

**General Note** One subject only is offered in First Year and Fourth Year, but two subjects are offered in Second Year and Third Year, of which students may take one or both. For each subject there will be two examination papers.

To enrol in Fourth (Honours) Year, students should have completed at least four Philosophy subjects and obtained at least Credit grading. In addition to course work, Fourth Year students will write a thesis. In other years, essays and exercises will be part of the year's work.

**381100 Philosophy I**

**Prerequisites**  
Nil

**Hours**  
Four hours per week

**Examination**  
See below

**Content**

Section 1: Introduction to Philosophy

Section 2: Logic and Options (see below)

Section 3: Seminars

**Section 1: Introduction to Philosophy** (1 hour weekly)

**Content**

This section is an introduction to Philosophy, and is divided into two parts. The first part is concerned with Plato's theory of education, political authority, the nature of the soul and its immortality, and universals. The second part is concerned with Descartes' quest for infallible knowledge, his theory of innate ideas, and his attempt to prove the existence of God and the immaterial character of the soul. This section will continue throughout the year.

**Texts**

Descartes  
*Philosophical Writings* (Anscombe & Geach ed.) (Nelson)

Plato  
*The Last Days of Socrates* (Penguin)

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Section 2: Logic and Options (2 hours weekly)

Content

First Term: Both traditional and modern logic are introduced in this course, which is adapted to students with no previous acquaintance with formal logic. The use of sound rules of inference and of methods of natural deduction is studied. Such topics as classification, division and definition link the traditional logic with an introduction to scientific method, and in this segment of the course questions relating to the testing of hypotheses and to induction are also considered. Some lecture notes will be provided, and a text and reference list will be issued at the beginning of the course.

Text

Lemmon, E. J. *Beginning Logic* (Nelson)

Examination

An examination will be conducted at the end of first term — for those dissatisfied with their result, a further examination will be available in November.

Second and Third Terms: two of a series of options.

Content

These will include —
(a) More advanced logic
(b) Scientific Method
(c) Politics
(d) Ethics

Special seminars of a more advanced kind than those of first term will be given.

Details of options will be provided during the year, and choice should be discussed with members of the Department.

Examination

One three-hour paper for two options
PART I TOPICS

Topic AN — Real Analysis

Prerequisites  Nil

Hours  One lecture hour per week and one tutorial hour per fortnight

Content

Texts
(This is the general text for the course.)
Giles, J. R.  Real Analysis — An Introductory Course
(Wiley 1973)
(It is recommended that students intending to major in Mathematics should have this book.)
Reference
Spivak, M.  Calculus (W. A. Benjamin Inc. 1967)

Topic AL — Algebra

Prerequisites  Nil

Hours  One lecture hour per week and one tutorial hour per fortnight

Content
Introduction to basic algebraic objects and ideas. Matrices, permutations, complex numbers. Linear Algebra: vectorspaces, homomorphisms, matrices, determinants; algorithms for solution of equations; rank, nullity: eigenvectors and eigenvalues; applications various.

Text
Brisley, W.  A Basis for Linear Algebra (Wiley 1973)

References
Liebeck, H.  Algebra for Scientists and Engineers
(Wiley 1971)
Lipschutz, S.  Linear Algebra (Schaum 1968)
McCoy, N.  Introduction to Modern Algebra
(Allyn & Bacon 1968)
Tropp, A. Mary  Linear Algebra (Nelson 1973)

Topic CA — Calculus

Prerequisites  Nil

Hours  One lecture hour per week and one tutorial hour per fortnight

Content

Text

References
Britton, J. R., Kriegh, R. B. & Rutland, L. W.  Calculus and Analytic Geometry
(Freeman 1966)
Hille, E. & Salas, S.  First Year Calculus (Ginn Blaisdell 1968)
(International Textbook Series)
Kaplan, W. & Lewis, D. J.  Calculus and Linear Algebra Vol. 1
(Wiley 1970)

Topic NM — Numerical Mathematics

Prerequisites  Nil

Hours  One lecture hour per week and one tutorial hour per fortnight

Content
Introduction to computers, flowcharts and Fortran coding. Elementary data analysis: calculations of sample moments of discrete distributions and programming of these operations. Introduction to statistical analysis and numerical analysis with computer illustrations. The writing of successful computer programmes is a required part of this topic.

References
PART II SUBJECTS

The Department offers three Part II subjects. Students whose course restricts them to one such subject must study Mathematics IIA or Mathematics IIB. The subject Mathematics IIA is a pre- or corequisite for Mathematics IIC, and IIA and IIC together a prerequisite for any Part III subject, so students wishing to take two Part II subjects would normally choose Mathematics IIA and IIC. Students taking all three of the Part II subjects would study all twelve of the topics listed below. Summaries and extended booklists for these topics will appear in the handbook of the Faculty of Mathematics and will also be available from the Department.

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<td>Fourier series, Partial Differential Equations and Special Functions</td>
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<td>I</td>
<td>Topic in Statistics</td>
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<td>e.g. Non-parametric Methods</td>
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<td>J</td>
<td>Topic in Applied Mathematics</td>
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<td>e.g. Mechanics</td>
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<td>K</td>
<td>Topic in Pure Mathematics</td>
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<td></td>
<td>e.g. Group Theory</td>
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<tr>
<td>L</td>
<td>Analysis of Metric Spaces</td>
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The selection rules and definitions of the Part II subjects follow.

NOTES

1. Students may, with the consent of the Head of the Department, take Mathematics IIB in two parts each of two lectures per week for three terms.
2. In order to pass both Mathematics IIA and Mathematics IIB a student must study all the topics A to H above and offer them for examination.
3. Mathematics IIA is a corequisite for Mathematics IIC.
4. In order to pass in all three Part II subjects a student must study all twelve topics and offer them for examination.
5. Students who passed a Part II Mathematics subject prior to 1974 and who wish to take further Part II Mathematics subjects should note that the topic coded “L” in 1974 and 1975 corresponds to the topic coded “A” in previous years. Such students may require special permission for their selection of Part II topics, and should consult with the Head of the Department.

6. From time to time during the year students will be given assignments, tests, etc. The student’s performance in this work will be taken into account in the following manner.

(a) For the implementation of By-law 5.4.1-1, which deals with unsatisfactory progress. A copy of this By-law appears in the General Supplement to the Faculty Handbooks.

(b) Where a student’s performance during the year has been better than his performance in the final examination, then the former will be taken into account in determining his final result. On the other hand, when a student’s performance during the year has been worse than his performance in the final examination, then his performance during the year will be ignored in determining his final result.

Faculty of Science

751100 Psychology I

Prerequisites  Nil

Hours  Three lecture hours, one one-hour practical session and one one-hour tutorial per week

Examination  One three-hour paper plus an assessment of the practical work carried out by the student throughout the year

Content  A general introduction to psychology which includes such topics as social psychology, learning theory, perception, developmental psychology, physiological psychology, theory of measurement and descriptive statistics and statistical analysis of data.

Texts  
Atkinson, R. C. & Atkinson, R. L.

OR  

OR  

Additional texts may be recommended at the beginning of the course.
Important Dates 1975

Applications for Re-enrolment due Jan 3

Applications for Admission due Jan 17

Applications for residence in Edwards Hall due Feb 7

New students attend to enrol Feb 21 & Feb 24

Last day to withdraw from first half year subjects April 21

Confirmation of Enrolment forms due June 13

Last day to withdraw from full year subjects July 7

Last day to withdraw from second half year subjects Sept 15

First closing date for Applications for Admission 1976 Nov 1

Annual examinations begin Nov 8
THE FACULTY HANDBOOKS contain

Academic Staff Lists
Degree Requirements
Syllabuses of Subjects
Texts and References

CONSULT THE CALENDAR for

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By-laws
Council
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Contents and Index to Contents

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Principal Dates 1975

January
1 Wednesday Public Holiday — New Year's Day
3 Friday Last day for return of Re-Enrolment Forms — Continuing Students
13 Monday Deferred Examinations begin
17 Friday Closing date for Applications for Admission from persons attempting 1974 Australian secondary or tertiary examinations (including N.S.W. Higher School Certificate)
24 Friday Deferred Examinations end
27 Monday Public Holiday — Australia Day

February
7 Friday Closing date for applications for residence in Edwards Hall
21 Friday & New students attend the University in person to have enrolment approved
24 Monday
25 Tuesday Final date for completion of Re-enrolment

March
3 Monday First Term begins
21 Friday Graduation Day
28 Friday Good Friday — Easter Recess commences

April
2 Wednesday Lectures resume
21 Monday Last day for withdrawal without academic penalty from 1st half year subjects
25 Friday Public Holiday — Anzac Day

May
10 Saturday First Term ends
June
2 Monday  Second Term begins
13 Friday  Last day for return of Confirmation of Enrollment forms
16 Monday  Public Holiday — Queen's Birthday

July
7 Monday  Last day for withdrawal without academic penalty from courses in all faculties, except half year Engineering subjects.

August
16 Saturday  Second Term ends

September
8 Monday  Third Term begins
15 Monday  Last day for withdrawal without academic penalty from 2nd half year subjects

October
6 Monday  Public Holiday — Eight Hour Day
31 Friday  Lectures and other classes cease

November
1 Saturday  First closing date for Applications for Admission 1976
8 Saturday  Third Term ends — Annual Examinations begin
29 Saturday  Annual Examinations end

1976

January
19 Monday  Deferred Examinations begin
30 Friday  Deferred Examinations end

March
1 Monday  First Term begins

Administrative Staff

Vice-Chancellor and Principal
Professor J. J. Auchmuty, CBE, MA, PhD, HonLLD(Dublin), HonDLitt(Sydney), FAHA, MRIA, FRHistS (To 31 December 1974)
Professor D. W. George, BSc, BE, PhD(Sydney), FIEE, FIEAust, AAIP (From 1 January 1975)

Vice-Principal and Deputy Vice-Chancellor
Professor A. D. Tweedie, MA(New Zealand)

Deputy Vice-Chancellor
Professor E. O. Hall, MSc(New Zealand), PhD(Cambridge), FInstP, MAustIMM, FIM(Lond.), FAIP, FRSA

Personal Assistant to Vice-Chancellor
A. Nell Emanuel, BA(New South Wales)

Secretary to Vice-Chancellor
Nancy A. Perkins

Educational Services and Research
H. Maddox, BA, PhD(London)

Bursar's Division

Bursar
L. W. Harris, FASA, ABIA, MRIPA

Assistant Bursars
L. J. Caldwell, BCom, AASA(S), ACIS
J. M. Falconer, AASA(S), ABIA
G. W. Walker, AASA
Secretary’s Division

Secretary
P. D. Alexander, BA, DipEd(Sydney)

Faculty Secretariat
J. S. Boydell, MA(Cambridge) (Assistant Secretary)
R. J. Archer, BSc, BEcon, DipEd(Queensland)
D. E. Brock, BA(New England) (Seconded to Education)
F. C. Hawkins, BCom
Linda S. Wheeler, BA

Student Administration
P. H. Farley, BA(New South Wales), MA(Macquarie) (Assistant Secretary)
Glennie Jones, BA(New South Wales) (Examinations)
R. A. Gibbs, BA, DipEd(New South Wales)
G. J. Martin, BCom

Publicity and Publications
J. W. Armstrong, BA
E. Joan Bale, BA(New South Wales)

Statistics
D. L. Farmer, BSc, DipEd(Sydney)

E.D.P. Development
D. S. Dunlop
A. Hall

Planner’s Division

University Planner
Vacant

Deputy Planner
D. D. Morris, BArch, DipLD(New South Wales), ASTC, FRAIA, AAILA (Acting Planner)

Staff Architect
W. J. Crook, BArch(New South Wales), ARAIA

Assistant Staff Architect
A. Lee, ASTC, ARAIA

Staff Engineer
M. E. Edmonds, DipMEE(Queensland), MIEAust

Assistant to Staff Engineer
J. D. O’Donohue

University Counselling Service

Senior Student Counsellor
A. P. T. Loftus, BA(Melbourne), MA, MAPsS

Student Counsellors
Anne H. Furner, BA, DipAppPsych, MAPsS
D. R. Martin, BA, DipEd(Sydney), MAPsS, ABPsS (Temporary Appointment)

Overseas Student Service

Overseas Student Advisor
Robin Loftus, BA(Adelaide)

Amenities Office

Amenities Officer
H. Bradford

Careers and Student Employment Office

Careers Officer
H. Floyer, BEc(Sydney)

Computer Centre

Director
J. A. Lambert, BSc(Sydney), MSc(New South Wales), FBCS, MACS
Secretary's Division

Secretary
P. D. Alexander, BA, DipEd(Sydney)

Faculty Secretariat
J. S. Boydell, MA(Cambridge) (Assistant Secretary)
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Computer Centre

Director
J. A. Lambert, BSc(Sydney), MSc(New South Wales), FBCS, MACS
Programmers
R. A. Freak, BSc, DipEd(New England), DipCompSc, MACS
F. C. P. Huang, BSc(National Taiwan), PhD(Australian National), MAIP, MACS
A. Loo Jansen, BAppSc(Adelaide), MACS
D. J. Malcom, ME(Auckland)
M. Wiseman, BSc, PhD(Adelaide), MACS, MASA

Edwards Hall

Warden
M. W. Blackmore, BSc, PhD(Queen's Belfast), ARIC, ARACI, AFCIA

The Auchmuty Library

University Librarian
E. Flowers, MA(Sydney), ALAA

Assistant University Librarians
M. Elizabeth Guilford, BA(New England), ALAA (Technical Services)
Joan E. Murray, BA(New England), ALAA (Reader Services)
Barbara R. Cook, BA; DipLib(New South Wales), ALAA (Acquisition)

Senior Librarians
Janet M. Brice, BA(New South Wales), DipLib(Western Australian Institute of Technology), ALAA (Cataloguing)
L. Faidiga, BA, ALAA (Monograph Acquisitions)
Mary E. Rabbitt, BA(New South Wales), ALAA (Serials Acquisitions)

University Archivist
Vacant

Librarians
Barbara, E. Eckford, BA, ALAA
Anna M. Lee, BSc, ALAA
Winifred Murdoch, BSc(New England), ALAA
Jennifer M. Scobie, BA, DipEd(Sydney), ALAA
E. Ann Stokes, BA, DipEd, ALAA

Graduate Library Staff
G. R. Baxter, BA
A. E. Brady, BA
M. J. Fauchon, BA

The University of Newcastle

The University of Newcastle began its existence as the Newcastle University College of the University of New South Wales and by the University of Newcastle Act of 1964, became an autonomous institution on 1st January, 1965.

Enrolments in the first year of the College’s existence totalled 370. There are presently seven Faculties — Applied Science, Architecture, Arts, Economics and Commerce, Engineering, Mathematics, and Science and enrolments have increased to 4,177 in 1974. Originally the University was established on a site at Tighes Hill. In 1960 an area of some 200 acres was acquired at Shortland and building commenced in 1964. Courses in all faculties are now given on the Shortland Campus.

The University is governed by a Council of twenty-four members. The Chancellor, who acts as chairman, is chosen either within the twenty-four members or from outside, the size of the Council being increased to twenty-five in the latter instance. The Council comprises representatives of the University staff, Convocation, the students, the New South Wales Legislative Council and Legislative Assembly; nominees of the Governor; the Vice-Chancellor and four co-opted members.

The present Chancellor of the University is the Honourable Sir Alister McMullin, KCMG, HonDLitt. The Vice-Chancellor and Principal is the chief executive officer of the University. The Foundation Vice-Chancellor of the University, Professor J. J. Auchmuty, CBE, MA, PhD(Dublin), FAHA, MRIA, FRHistS, retires at the end of 1974 and will be succeeded by Professor D. W. George, BSc, BE, PhD (Sydney), FIEE, FIEAust, AAIP.

The principal academic body in the University is the Senate comprising the Vice-Chancellor, Professors, a representative of each of the Faculty Boards, representatives of the students and certain other ex officio members. Teaching and research in each Faculty are supervised by a Faculty Board consisting principally of the permanent academic and teaching staff of the Departments in the Faculty and representatives of the students. A number of Boards of Studies have also been established, each board having the task of integrating or supervising activities in a particular area of interest.

The University is financed by grants from the Australian Government.
### Undergraduate Courses Offered

The following Table summarises the courses that are now available. For full details refer to the appropriate Faculty Handbook.

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Departments</th>
<th>Degrees</th>
<th>Full-time</th>
<th>Part-time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Science</td>
<td>Metallurgy</td>
<td>BMet</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>BSc(Met)</td>
<td>6</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture</td>
<td>Architecture</td>
<td>BSc(Arch)</td>
<td>3</td>
<td>2 plus 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arts</td>
<td>Classics</td>
<td>BA</td>
<td>3</td>
<td>or 51</td>
</tr>
<tr>
<td></td>
<td>Creative Arts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Education</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>English</td>
<td></td>
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<tr>
<td></td>
<td>French</td>
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<tr>
<td></td>
<td>Geography</td>
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<td></td>
<td>German</td>
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<tr>
<td></td>
<td>History</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Linguistics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mathematics</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Philosophy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Psychology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics and</td>
<td>Commerce</td>
<td>BCom</td>
<td>3</td>
<td>or 51</td>
</tr>
<tr>
<td>Commerce</td>
<td>Economics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Legal Studies</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>Chemical</td>
<td>BE</td>
<td>4</td>
<td>or 6</td>
</tr>
<tr>
<td></td>
<td>Civil (includes Surveying)</td>
<td>or</td>
<td>12 plus 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electrical (includes Computer)</td>
<td>BSc(Eng) in Mechanical Chemical (includes Engineering Industrial and only Naval Architecture)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
(b) have attained in that examination the aggregate of marks prescribed by the Senate from time to time and calculated in the manner determined by the Senate.

The recognised matriculation subjects are:—

<table>
<thead>
<tr>
<th>English</th>
<th>Greek</th>
<th>Chinese</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>Latin</td>
<td>Japanese</td>
</tr>
<tr>
<td>Science</td>
<td>French</td>
<td>Hebrew</td>
</tr>
<tr>
<td>Agriculture</td>
<td>German</td>
<td>Dutch</td>
</tr>
<tr>
<td>Modern History</td>
<td>Italian</td>
<td>Art</td>
</tr>
<tr>
<td>Ancient History</td>
<td>Bahasa Indonesia</td>
<td>Music</td>
</tr>
<tr>
<td>Geography</td>
<td>Spanish</td>
<td>Industrial</td>
</tr>
<tr>
<td>Economics</td>
<td>Russian</td>
<td>Arts</td>
</tr>
</tbody>
</table>

Mathematics and Science, both passed as full courses, together shall count as three subjects, but otherwise, each counts as one subject.

The qualification for matriculation must be obtained at one examination.

Facility Assumed Knowledge

Although prerequisites are not prescribed, lectures in the following faculties, courses or subjects will be given on the assumption that students will have studied for the New South Wales Higher School Certificate the subjects listed below to the level indicated:—

<table>
<thead>
<tr>
<th>Faculty or Subject</th>
<th>Assumed Knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Science</td>
<td>Second level Short Course Mathematics and Science including Physics and Chemistry options</td>
</tr>
<tr>
<td>Architecture</td>
<td>Second level Short Course Mathematics and Science</td>
</tr>
<tr>
<td>Arts</td>
<td>Second level Short Course Mathematics and Science</td>
</tr>
<tr>
<td>Economics I</td>
<td>Second level Short Course Mathematics</td>
</tr>
<tr>
<td>English I</td>
<td>Second level English</td>
</tr>
<tr>
<td>French IN</td>
<td>Second level French</td>
</tr>
<tr>
<td>German IN</td>
<td>Second level German</td>
</tr>
<tr>
<td>Economics &amp; Commerce</td>
<td>Second level Short Course Mathematics</td>
</tr>
<tr>
<td>Engineering</td>
<td>Second level Short Course Mathematics and Science including Physics and Chemistry options</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Second level Short Course Mathematics</td>
</tr>
<tr>
<td>Science</td>
<td>Second level Short Course Mathematics and Science</td>
</tr>
</tbody>
</table>


Revised matriculation requirements will have effect from July, 1976. Details are available from the Secretary to the University.

3. Other Requirements

Persons who have not satisfied the ordinary matriculation requirements (above) may on application be considered for admission provided they are able to satisfy the University that they have reached a standard of education sufficient for them to pursue the proposed course. Detailed documentary evidence of all qualifications must be submitted with the Application for Admission 1975.

Application Procedure

Persons seeking admission in 1975 are required to lodge an Application for Admission 1975 by the appropriate closing date listed below. Application forms and information about courses available at the University may be obtained from the Student Administration Office, Ground Floor, Arts/Administration Building at the University at Shortland. The office is open from 9 a.m. to 12.30 p.m. and 1.30 p.m. to 5 p.m. Application materials are also available on request by mail to

The Secretary,
The University of Newcastle, N.S.W. 2308.

For full information about courses, please consult the appropriate Faculty Handbook available from the University Cashier at a cost of $1.00 or $1.20 plus postage for an article weighing between 250 and 500 grams if sent to an address in Australia.

Closing Dates

1. Applicants who are attempting Australian secondary or tertiary examinations in 1974 (including the 1974 N.S.W. Higher School Certificate examination) as soon as possible after the results are known but not later than 5 p.m. on Friday, 17 January 1975.

2. All other applicants

as soon as possible but not later than 5 p.m. on Friday, 1 November 1974.

No guarantee can be given that applications received after the prescribed dates will be considered.

Applications sent by post should be addressed to

The Secretary,
The University of Newcastle, N.S.W. 2308

* Persons resident outside Australia whose examination results will not be available by 1 November 1974 will not be considered for admission in 1975. They may enquire in September 1975 for admission in 1976.
Applicants attempting to gain a matriculation qualification at the 1975 University of Sydney Matriculation Examination must nevertheless lodge an application for admission on or before 17 January 1975 indicating their intention to take the examination, the subjects and levels to be attempted, and must advise the Secretary of their results as soon as they are known.

**Documentary Evidence**

Where an application is based on completion of secondary education outside New South Wales or where studies have been undertaken at a tertiary institution documentary evidence confirming all qualifications must be submitted. Documents should list all subjects attempted and give full grade information including failures or withdrawals. Legible photocopies of documents are acceptable. Documents in foreign languages must be accompanied by certified translations into English. Applicants are advised to assemble all required documents well in advance as applications submitted without required documents cannot be considered.

**Syllabus Information**

Where subjects have been passed at other tertiary institutions a brief extract from the institution's calendar or handbook describing the syllabus content should be submitted.

**Selection**

It will be appreciated that the University needs to regulate enrolments to ensure that the number of persons admitted does not exceed the number for whom places are available. If selection is necessary it will be based on academic merit. In the past the University has been able to admit all qualified applicants, except in the Faculty of Architecture where some restrictions have been necessary.

**Result of Application**

All applicants will be advised by mail of the result of their application.

**Deferral of Admission**

The University does not grant deferrals of admission. Persons who are unable to accept an offer of admission should reapply when they are in a position to undertake university studies.

**Enrolment**

Persons offered admission will be given instructions of the procedure to be followed to complete enrolment. All students should possess a copy of their Faculty Handbook. Before proceeding to enrolment they should have read carefully those sections of the Handbook relating to the programme for their degree, the degree requirements and, where a choice of subjects is available, should have decided on the subjects they would like to include in their programme.

**Attendance Status**

In accordance with the By-laws, the University defines attendance status as follows:

* A Full-Time Student is a student who enrols in more than half the subjects of a normal first year course and such a student remains classified as a full-time student until the written approval of the Dean of the Faculty is given that he be re-classified as a part-time student. This re-classification would be exceptional.

* A Part-Time Student is either one who enrols in half or less than half of the subjects of a normal first year course or one who enrols in a part-time course. In subsequent years, the enrolment as a part-time student requires the approval of the Dean of the Faculty.

**Note**

The Australian Government for the purposes of the Tertiary Education Assistance Scheme normally defines a full-time student as one who enrols in 75% or more of a usual first year course.

**University Skills Assessment**

As part of its service to students, the University Counselling Service holds a voluntary half-day session in which a variety of skills relevant to university work, such as Reading Speed, Note-Taking, Study Skills, etc., are tested. Attendance is voluntary and the results are held in confidence in the Counselling Service. In 1975 it is intended to hold the University Skills Assessment during orientation week. Many students derive benefit from later discussing their results with a Counsellor. Some students are later invited (on the basis of a weak result) to participate in a course designed to overcome their particular difficulty.

**After Enrolment**

At the back of this supplement is a list of people who may be consulted for information on a wide range of matters.
The attention of students is also drawn to the following University requirements affecting continued enrolment.

Change of Address

Students are responsible for notifying the Student Administration Office in writing of any change in their address. A Change of Address form should be used and is available from the Student Administration Office.

Failure to notify changes could lead to important correspondence or course information not reaching the student. The University cannot accept responsibility if official communications fail to reach a student who has not notified the Student Administration Office of a change of address.

It should be noted that examination results, re-enrolment and other correspondence will be mailed to students in December and January. Students who will be away during the long vacation from the address given to the University for correspondence should make arrangements to have mail forwarded to them.

Change of Name

Students who change their name should advise the Student Administration Office. Marriage, deed poll or naturalisation etc. certificate should be presented for sighting in order that the change can be noted on University records.

Change of Programme

Approval must be sought for any changes to the programme for which a student has enrolled. This includes adding or withdrawing subjects, changing attendance status (for example from full-time to part-time) or transferring to a different degree, department or faculty.

All changes should be recorded on the Variation of Programme form available at the Student Administration Office. Reasons for changes and where appropriate documentary evidence in the form of medical or other appropriate certificates must be submitted.

Withdrawal without Academic Penalty

Approval to withdraw from a course or a subject is not automatic. It should be noted that a student is regarded as having failed in a subject if he enrolls in it and does not pass the annual examinations — that is not sitting for the examination is regarded as not passing the examination (unless withdrawal without penalty has been approved).

Withdrawal from a subject takes effect from the date of receipt of written notification. Unless the Dean of the Faculty grants permission to withdraw without penalty, a student who withdraws after the dates shown below will be deemed to have failed in the subject or subjects.

Withdrawal Dates

<table>
<thead>
<tr>
<th>Full Year Subjects</th>
<th>First Half-year Subjects</th>
<th>Second Half-year Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sixth Monday in Second Term</td>
<td>Eighth Monday in First Term</td>
<td>Second Monday in Third Term</td>
</tr>
</tbody>
</table>

Confirmation of Enrolment

In May each year the University mails to all students a form Confirmation of Enrolment which also serves as the application to sit for examinations. This form must be checked carefully, signed and returned by all students (including non-degree students and postgraduate students not taking formal subjects) to confirm that they are actively pursuing subjects for which they are enrolled and that the information on University records is correct and complete. Arrangements may not be made to examine students who do not return the form as it will be assumed that they have discontinued their studies.

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 Head of the appropriate Department. If term examinations have been missed this fact should be noted in the application.

In the case of illness or of absence for some other unavoidable cause a student may be excused by the Head of the appropriate Department for non-attendance at classes.

Applications for exemption from re-attendance at classes, either for lectures or practical work, may only be approved on the recommendation of the Head of the appropriate Department. The granting of an exemption from attendance does not carry with it any waivure of the General Services Charge. Where a student has attended less than 80 per cent. of the possible classes, he may be refused permission to sit for the annual examination in that subject.

General Conduct

In accepting membership of the University the student undertakes to observe the by-laws and other requirements of the University.

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 forbidden.

Members of the academic staff of the University, senior administration officers, and other persons authorised for the purpose have authority, and it is their duty, to check and report on disorderly or improper conduct occurring in the University.
Notices

Official University notices are displayed on the notice boards and students are expected to be acquainted with the contents of those announcements which concern them.

Examinations

A notice board has been placed on the wall opposite the entrance to the Main Lecture Theatre (B01) for the specific purpose of displaying examination timetables and other notices about examinations.

Student Matters Generally

The main notice board is the display point for notices concerning enrolment matters, scholarships, University rules and travel concessions, etc. This notice board is located on the first floor at the top of the main staircase in the Arts/Administration building.

Examinations

Examinations and other exercises may be held in any subject from time to time. In the assessment of a student’s progress in a university course, consideration will be given to laboratory work and class exercises and to any term or other tests conducted throughout the year. The results of such examinations and class work may be incorporated with those of the annual examinations.

Annual Examinations

The annual examinations take place in November. Timetables showing the time and place at which individual examinations will be held will be posted on the examinations notice board near the Main Lecture Theatre.

Misreading of the timetable will not under any circumstances be an acceptable excuse for failure to attend an examination.

A student who, because of religious convictions, would prefer not to sit for an examination on a particular day or particular day of the week should indicate this in writing when lodging his Confirmation of Enrolment. While the University cannot guarantee to meet such requests it will be willing to co-operate where possible.

Examinations are conducted in accordance with the following rules and procedure:

(a) Candidates are required to obey any instruction given by a Supervisor for the proper conduct of the examination.

(b) Candidates are expected to be in their places in the examination room not less than ten minutes before the time for commencement of the examination.

(c) No bag, writing paper, blotting paper, manuscript or book, other than a specified aid, is to be brought into the examination room.

(d) No candidate shall be admitted to an examination after thirty minutes from the time for the commencement of the examination.

(e) No candidate shall be permitted to leave the examination room before the expiry of thirty minutes from the commencement of the examination.

(f) No candidate shall be re-admitted to the examination room after he has left it unless during the full period of his absence he has been under approved supervision.

(g) A candidate shall not by any improper means obtain or endeavour to obtain assistance in his work, give or endeavour to give assistance to any other candidate, or commit any breach of good order.

(h) Smoking is not permitted during the course of an examination.

(i) A candidate who commits any infringement of the rules governing examinations is liable to disqualification at the particular examination and if detected at the time, to immediate expulsion from the examination room. and is liable to such further penalty as may be determined.

After completion of the written annual examination papers, a student may be called upon by an examiner to complete further written, practical or oral tests as part of the annual examination.

No student is eligible to attend the annual examination in any subject if any portion of charges due by him is outstanding by the end of the third week of third term.

Examination Results

Each student will be advised by mail of his examination results. A set of examination results will be offered to the newspapers for publication. No results will be given by telephone.

Examination results may be reviewed for a charge of $8.00 per subject, which is refundable in the event of an error being discovered. Applications for review must be submitted on the appropriate form together with the prescribed review charge by 15 January 1975. However, it should be noted that examination results are released only after careful assessment of students’ performances and that, amongst other things, marginal failures are reviewed before results are released.

Special Examinations

Special examinations may be granted according to the conditions contained in By-Law 5.9.3 which states:—
5. When a candidate is prevented by illness or by any other serious cause from presenting himself for the annual examination the appropriate Faculty Board may order a special examination for that candidate in the subject or subjects in which he was unable to present himself. The result of a special examination may be graded.

6. When a candidate's studies during the academic year have been gravely hampered by illness or other serious cause, the appropriate Faculty Board upon application being made to the Secretary to the University before the commencing date of the examination supported by medical or other proper evidence may direct the examiners to take the circumstances into account in determining whether or not a special examination should be provided for the candidate in any subject in which he does not pass at the annual examination.

7. When a candidate at the annual examination is to a substantial degree affected by illness during the course of an examination in any subject the appropriate Faculty Board, upon application being made to the Secretary within three days after such examination or within such further period as the Vice-Chancellor may consider reasonable in the circumstances supported by medical or other proper evidence, may direct the examiners in that subject to take the circumstances into account if the candidate does not pass therein in determining whether or not a special examination or test should be provided for him: provided that no such application shall be considered unless the candidate either during or immediately after such examination reports to the supervisor in charge the circumstances relied on in the application.

Deferred Examinations

The Boards of the Faculties of Applied Science, Architecture, Engineering, and Mathematics may grant deferred examinations. Such examinations, if granted, will be held in January-February and results will be published in the same manner as for the annual examinations.

When reviewing the examination results Faculty Boards take into consideration any circumstances such as illness or personal problems which may have seriously affected a student's work during the year or during the examinations. Any student who considers that his work has been affected in this way or who is unable to attend for any examination and who wishes to apply for special consideration should write to the Secretary explaining the circumstances and, in the case of illness, enclosing a medical certificate.

If a student is affected by illness during an examination he must report to the supervisor in charge of the examination and then apply to the Secretary as soon as possible after the examination (see By-law 5.9.3.7 above).

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Academic Progress Requirements

General

The University has enacted certain By-laws relating to continuation in a subject or a course. They are set out below.

Procedure

It is the responsibility of a student who does not satisfy any of the academic progress requirements to take action as required by the By-laws.

Students who become liable for exclusion from a course after failure at Annual Examinations will be informed accordingly by mail after the release of examination results. They will also be advised of the procedure to be followed if they wish to show cause.

A student who wishes to re-enrol in a subject which he has failed more than once is required to show cause why he should be allowed to re-enrol in the subject and must submit a show cause statement with his re-enrolment form.

Students who are liable for exclusion from a subject or course must lodge their show cause statement and completed re-enrolment form with the Student Administration Office on or before Friday, 3 January 1975.

With regard to continuation in a course, under By-law 5.4.1.2 Faculty Boards have determined policy to regulate the academic progress of students, particularly in relation to the first year or first two stages of enrolment, and students should refer to their Faculty Handbook for this information. The relevant By-laws are set out below:

By-laws

By-law 5.4.1 — Unsatisfactory Progress

1. The Head of a Department in any Faculty may determine that a student taking a subject or course offered by the Department shall be excluded from any examination for which the Department is responsible for any or all of the following reasons:—

(a) unsatisfactory attendance at lectures;
(b) failure to complete laboratory work;
(c) failure to complete written work or other assignments; or
(d) failure to complete field work.
2. The Faculty Board may review the academic progress of any student enrolled in the Faculty concerned who fails in, or is absent from, or is excluded under section 1 of this By-law from any examination and may determine:

(a) that the student be excluded from further study in a subject;
(b) that the student may enrol in that Faculty only in such subject or subjects as the Faculty Board shall specify; or
(c) that the case be referred to the Admissions Committee if, in the opinion of the Faculty Board, the student should be excluded from a degree course, from the Faculty or from the University.

3. The Admissions Committee, in considering a referral under subsection (c) of section 2 and after giving the student an opportunity to be heard, may determine:

(a) that the student be excluded from a degree course or from the Faculty;
(b) that the student shall be permitted to continue his course, subject to such conditions as the Admissions Committee may determine; or
(c) that the case be referred to the Vice-Chancellor with the recommendation that the student be excluded from the University.

4. The Vice-Chancellor may, on the recommendation of the Admissions Committee exclude from the University any student whose academic record in the opinion of the Vice-Chancellor and the Admissions Committee demonstrates the student's lack of fitness to pursue University studies.

By-law 5.4.2 — Show Cause

1. 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 the annual examination counts for the purposes of this By-law as one examination.

2. (1) A full-time student shall show cause why he should be allowed to continue a course if all subjects of the first year of his course are not completed by the end of his second year of attendance.

   (2) A part-time student shall show cause why he should be allowed to continue a course if all subjects of the first two stages of his course are not completed by the end of his fourth year of attendance.

3. (1) A student who has a record of failure at another university shall show cause why he should be admitted to the University.

   (2) A student admitted to a course at the University following a record of failure at another university shall show cause, notwithstanding any other provision in this By-law, why he should be allowed to continue in that course if he is unsuccessful in the annual examinations in his first year of attendance at the University.

4. A student required to show cause shall have his application considered by the Admission Committee which shall determine whether the cause shown is adequate to justify the student's being permitted to continue his course or to re-enrol as the case may be.

By-law 5.4.3 — Re-Enrolment

1. Any student who has been excluded from a faculty shall not be allowed to enrol in another faculty without the permission of the Faculty Board concerned.

2. Any student excluded from a degree course or from a faculty or from the University may apply after two academic years to the Admissions Committee for re-admission to any such faculty or to the University. If the Admissions Committee is satisfied that the condition or circumstances of any such student have so changed that there is reasonable probability that he will make satisfactory progress in his studies it may authorise the re-admission of that student under such conditions as it may determine.

By-law 5.4.4 — Appeal Against Exclusion

1. A student who is refused permission to enrol under the provisions of section 1 of By-law 5.4.3. may appeal to the Senate.

2. A student who has been excluded from any degree course or from a faculty or from the University may appeal to the Council.

Degree Requirements

The student is responsible for informing himself as to, and for complying with, University requirements, especially the requirements relating to admission and to the award of the degree to which he is proceeding.

For details of degree requirements reference should be made to the appropriate Faculty Handbook.

Leave of Absence

A student who does not wish to re-enrol for any period up to three years should apply for leave of absence. Leave of absence is normally granted to those students who have passed the equivalent of half the
first year course and are in good standing. Applications should be submitted before the end of first term in the first year for which leave of absence is sought. Leave of absence will not be granted for more than three years and will not be granted retrospectively.

Any student who does not enrol for a period of two years and does not obtain leave of absence, must apply for re-admission to the University when he wishes to resume his studies.

Re-enrolment in Undergraduate Courses

Re-enrolment materials will be mailed to all undergraduate students early in November. Those who wish to re-enrol in 1975 and who are eligible to do so (see academic progress requirements page 23) should complete the re-enrolment form as soon as possible after the release of the 1974 Annual Examination results, and forward it to The Secretary, University of Newcastle, N.S.W. 2308.

Re-enrolment forms are due 3 January 1975 except in the case of a student who is required to take a special or deferred examination in which case the re-enrolment form must be submitted within seven days of the release of those examination results.

Submission of re-enrolment forms after the due date will render the student liable to a late lodgement charge of $14.00.

Students who, for good reasons, are unable to submit their Re-enrolment Forms by the due date, may apply for an extension of time. The request, with details of reasons for the extension must reach the Secretary by the due date if the late lodgement charge is to be avoided.

The By-laws provide that no enrolment will be accepted after 31 March without the approval of the Secretary which shall be given only in exceptional circumstances.

Approval of Re-enrolment

When the re-enrolment programme has been approved, a form Authority to Complete Enrolment will be mailed to the student showing charges payable. Students are required to complete enrolment by payment of all charges due by 25 February 1975 otherwise late charges become payable.

The following time schedule summarises the steps involved in re-enrolment without payment of a late charge.

1974
Nov. Re-enrolment forms mailed to students.
Mid Dec. Examination results mailed to students.

1975
Jan. 3 Last date for submission of re-enrolment forms with requested programme for 1975.
Jan./Feb. (Progressively) re-enrolment forms approved, forms Authority to Complete Enrolment mailed to students with details of Charges payable and approved programme for 1975.
Feb. 25 Last date for lodging with Cashier the Authority to Complete Enrolment and charges due.
Mar. 3 Term One commences.

Re-admission after Absence

A person who has been enrolled previously at the University of Newcastle, but not enrolled in 1974, is required to lodge an Application for Re-admission if further undergraduate enrolment is desired. Applications are available from the Student Administration Office and close on 17 January 1975.

Non-Degree Students

A person who is qualified to matriculate may apply for enrolment as a non-degree student in a subject or subjects. Persons enrolled as non-degree students are expected to comply with normal university requirements. Permission to enrol as a non-degree student is granted for one year at a time and a new application is required each year. Persons seeking non-degree enrolment should lodge the Application for Admission by the closing date (1 November 1974).

Postgraduate Courses

Postgraduate courses are offered in each of the Faculties of the University. They include—

postgraduate diploma courses
higher degrees by coursework
and
research master and doctoral degrees.

Postgraduate Diplomas

The following postgraduate diploma courses will be offered in 1975:

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>Diploma in Education</td>
</tr>
<tr>
<td>Economics &amp; Commerce</td>
<td>Diploma in Business Studies</td>
</tr>
<tr>
<td>Engineering</td>
<td>Diploma in Industrial Engineering</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Diploma in Computer Science</td>
</tr>
<tr>
<td>Science</td>
<td>Diploma in Psychology*</td>
</tr>
</tbody>
</table>

Application Procedure

Persons wishing to enrol for a postgraduate diploma should complete the appropriate application for registration and lodge it with all required documents with the Student Administration Office not later than Friday 17 January 1975.

For further information about a particular course please consult the appropriate Faculty handbook.

Higher Degrees by Coursework

Higher degrees by coursework are offered in the following faculties:

- Bachelor of Architecture
- Bachelor of Educational Studies
- Master of Commerce (in Economics)
- Master of Engineering Science in Chemical, Civil, Electrical and Mechanical Engineering

Persons wishing to register for one of the above awards must lodge the Application to Register form with all required documents with the Student Administration Office not later than Friday, 17 January 1975.

Research Higher Degrees

The following research higher degrees are available:

- Master of Architecture (MArch)
- Master of Arts (MA)
- Master of Education (MEd)
- Master of Engineering (ME)
- Master of Mathematics (MMath)
- Master of Science (MSc)
- Doctor of Philosophy (PhD)

Applications for registration for a research higher degree, together with all required documents, must be lodged on the prescribed form with the Student Administration Office at least one full month before the beginning of the term in which registration is to commence. Applications received after the due date may be considered for the following term.

Confirmation of Enrolment

In May each year the University forwards to all students a form Confirmation of Enrolment which contains details of a candidate's registration and any formal subjects for which he has enrolled. This form must be checked carefully, signed and returned by the due date to confirm active enrolment for the course listed.

Change of Address

Students are required to notify the University of any changes in their address for correspondence, and must make arrangements for mail to be forwarded to them during short absences.

Variations to Programmes

Any requests for variations to postgraduate programmes must be submitted through the Student Administration Office for approval.

Re-enrolment of Postgraduate Students

All postgraduate and higher degree students who are eligible to continue their enrolment will be sent re-enrolment materials and details of the procedure to be followed to re-enrol.

Ownership of Students Work

Unless other arrangements have been agreed upon the University reserves the right to retain at its own discretion the original or one copy of any drawings, models, designs, plans and specifications, essays, theses, or other work executed by students as part of their courses, or submitted for any award or competition conducted by the University.

Charges

Charges are determined by the University Council and are subject to alteration without notice. The due date for payment of charges for 1975 is 25 February, 1975.

Enrolment is completed by lodging with the Cashier the approved form Authority to Complete Enrolment with a remittance to cover all charges due or evidence that a sponsor will meet these charges.

The By-laws provide that enrolment will not be accepted after 31 March 1975 without the Secretary's written approval which will be given only in exceptional circumstances.

Payment of Charges

The Union Entrance charge and General Services charge must be paid in full at the time of enrolment.

Payment by mail is encouraged. Money Orders should be made payable at the Newcastle University Post Office, New South Wales 2308. The Cashier's Office is located on the first floor of the Arts/Administration Building, and is open during term from 9 a.m. to 4.30 p.m. and during vacation periods from 9 a.m. to 12.30 p.m. and 1.30 p.m. to 4.30 p.m.
Scholarship Holders and Sponsored Students

Students holding scholarships or receiving other forms of financial assistance must lodge with the Cashier their Authority to Complete Enrolment together with warrants or other forms of documentary evidence that charges will be paid by sponsors. The University looks to sponsors to provide a separate voucher, warrant or letter for each student sponsored.

Charges

1. General Services Charge
   (a) Students Proceeding to a Degree or Diploma
       All students must pay a General Services charge of $63.00 per annum. In addition, students joining Newcastle University Union for the first time, are required to pay an amount of $10.00. These charges must be paid in full by the prescribed date.
   (b) Non-Degree Students
       Non-degree students must pay a Union charge of $34.00 per annum. This fee must be paid in full by the prescribed date. Non-degree students are not required to pay the General Services charge or the Union Entrance charge.

2. Late Enrolment and Re-enrolment Charges
   (a) Late re-enrolment charge where a continuing student does not lodge a re-enrolment form with the Student Administration office by 3 January 1975
       $14
   (b) Late enrolment charge where a student does not lodge the Authority to Complete Enrolment form with the Cashier by 25 February 1975
       $14
   (c) Late payment charge where an application to sit for examination is accepted after closing date
       $6
   (d) Late payment charge if General Services charge is not paid by 25 February 1975
       $8
   (e) Additional amount payable if General Services charge is not paid within an extended time after 25 February 1975
       $6

3. Other Charges
   (a) Examination under special supervision, per paper
       $10
   (b) Review of examination results, per subject
       $8
   (c) Statement of matriculation status for non-members of the University
       $8
   (d) Academic statements in excess of six per annum
       15c a copy
   (e) Replacement of student identity cards
       50c each

Higher Degree Candidates

General Services Charge

Higher Degree candidates are required to pay the General Services charge and Union Entrance charge, if applicable. Where the enrolment for a Higher Degree candidate is effective from First or Second Term, the General Services charge covers a period of registration from the first day of the term to the Friday immediately preceding the first day of First Term in the following academic year. Where a Higher Degree candidate enrolls on or after the first day of Third Term, the General Services charge paid will cover liability to the end of the long vacation following the next academic year.

Tertiary Education Assistance Scheme

Under this scheme the Australian Government provides a living allowance and other allowances to students who are undertaking tertiary study for the first time and who
- are permanent residents of Australia
- enrol as full-time students
- enrol in approved courses
- qualify for a living allowance on a means test.

Information and application forms may be obtained from the Regional Director, Department of Education, 323 Castlereagh Street, Sydney, (Telephone 02/20929). Postal address Box 596, Post Office, Haymarket 2000.

Teacher Education Scholarships

The N.S.W. Department of Education each year offers a large number of Scholarships to persons wishing to enter the teaching profession.

Information and application forms may be obtained from the Teacher Education Scholarship Branch, N.S.W. Department of Education, Blackfriars Street, Chippendale, N.S.W. 2008.
General Information

Identity Cards

Each student wishing to obtain a travel concession, to borrow a book from the Library or to confirm his membership of the Newcastle University Union is required to produce on demand his identity card. Identity cards will be issued to students at the Student Administration Office and should be available soon after the commencement of First Term. The student will be required to produce his enrolment receipt issued by the cashier before an identity card will be issued to him.

Loss of Identity Card

If a student loses his identity card he should pay to the University Cashier the sum of 50 cents and present the receipt to the Student Administration Office for the purpose of obtaining a replacement card.

Return of Identity Card

Each student who during the academic year withdraws completely from his course will be required to hand his Identity Card to the Student Administration Office before leaving the University.

Travel Concessions

The various transport authorities provide fare concessions for certain classes of students. Application forms for these concessions may be obtained at the Student Administration Office.

The Student's Identity Card has to be produced each time a concession is required.

Bus Concessions are available to:
(a) students under 18 years of age irrespective of whether they are employed or receive income or remuneration.
(b) students who are 18 but under 30 years of age and who are not in employment nor in receipt of any income or remuneration.

Note

Income or remuneration includes allowances paid to Colombo Plan students, Public Service trainees, etc., but does not include allowances paid under the Tertiary Education Assistance Scheme, or to holders of Teacher Education Scholarships or Bursaries granted by the State Bursary Endowment Board.

(c) Concessions are not available to students who are 30 years of age or over; or to married women or ordained clergymen.

Train

(a) Periodical tickets are available during term to full-time students not in employment nor in receipt of any remuneration.
(b) Daily concession fare tickets are available to part-time students, whether employed or otherwise, for the purpose of travelling to and from classes held in connection with their course of instruction.
(c) Vacation travel concessions are available to students qualifying under (a) above.

Aircraft

Concession fares for travel overseas, inter-state and intra-state are available under the conditions ruling for the various operating companies.

Lost Property

Inquiries regarding lost property should be directed to the Attendant (Patrol) between 9 a.m. and 5 p.m. Monday to Friday at the Attendants' Office in the north-eastern corner of the lowest floor of the Auchmuty Library building.

The Auchmuty Library

The Library, totalling approximately 275,000 volumes and made up of monographs, pamphlets, serials, microform sets and audiovisual materials, exists to acquire, preserve and make available for use all research and learning materials needed by the staff and students of the University. The seating capacity of the Library in 1975 will be approximately 1,000.

There is an almost complete freedom of access to the collections, and students are encouraged and aided to learn how to use, as soon as possible, the Library and its contents. On his first visit to the Library the student is provided with a brochure outlining the Library's resources, its services, such as the copying service, its special facilities, such as the microprint reading room, and its procedure for borrowing.

Hours of Opening

During academic year

Monday — Friday  8.30 a.m. to 10.00 p.m.

(long vacations excepted)
Saturday and Public Holidays 9.00 a.m. to 5.00 p.m. (except for Easter Weekend, Friday-Tuesday inclusive, and Anzac Day, when the Library is closed)

Sunday 1.00 p.m. to 5.00 p.m. (all vacations excepted)

During long vacation

Monday, Wednesday, Friday 9.00 a.m. to 5.00 p.m.
Tuesday, Thursday 9.00 a.m. to 7.00 p.m.

Amenities Office

The Amenities Office is located in the temporary building adjacent to the Mathematics/Classrooms building. Students are assisted in the following fields:

Sport

The Amenities Officer, liaison officer for all sporting matters between the Sports Union, the University and outside sporting organisations, assists student sporting clubs at club level and with Inter-varsity contests.

Sporting Facilities

Administration of all campus sporting facilities, which at present include four squash courts, four tennis courts, two ovals and an outside basketball court, is the responsibility of the Amenities Officer and his staff.

Auchmuty Sports Centre

The sports centre provides for the following activities: Basketball, Volleyball, Badminton, Weight training, Gymnastics and other associated sporting activities.

Non-competitive Pastimes and Diversions

Classes in Bridge, Pottery, Keep Fit, Leatherwork, Yoga, Jazz Ballet and Ballroom Dancing are arranged for students and staff.

Student Accommodation

The Student Accommodation Service maintains a register of rooms, flats and private board available in Newcastle, and will deal with any accommodation problem which students may encounter while attending the University.

Insurance

The Personal Accident Insurance Scheme is administered by the Amenities Officer on behalf of the Sports Union and the Students' Representative Council.

Amenities Officer — H. Bradford
Activities Organiser — S. D. Barwick

Careers and Student Employment Office

The Careers and Student Employment Office (then the Appointments Office) was established in 1971 primarily to help students obtain information about careers and to assist graduating students to find employment. It is located in the temporary building adjacent to the Mathematics/Classrooms building.

Careers Counselling

All new students are invited to consult the Careers and Student Employment Office at some time during their first year at the University. Follow up consultations during second and third years may serve to bring the student to a state of mind where he or she feels confident that his or her chosen career is suitable and within the realms of possibility. The Careers and Student Employment Office would hope to have available or to obtain information for the student in order that by a little research in the early years, frustration and disappointment can be avoided after graduation. Students in the last year or stage of their degree, who may need help in finding suitable employment upon graduation, should consult the Careers and Student Employment Office during the July-September period prior to the final examinations.

Careers Library

1. A section of the Careers Library contains books, periodicals, articles, etc. giving general information about the various professional occupations.

2. Information is being assembled about the manpower requirements of numerous employers — types of graduates needed, educational qualifications for appointment, experience gained, prospects etc.

3. Professional associations are being approached to supply information about the activities of their bodies, conditions of membership and application forms.
Employer Interviews

Some employers have representatives come to the University for the purpose of giving students first-hand information about the kinds of graduates recruited, job involvement, salaries, prospects etc. Students make appointments to interview the representatives singly or in small groups.

Employment Vacancies

Some Government Departments inform the University on a regular basis of vacancies within their organizations, other employers only as specific vacancies occur. The 'Positions Vacant' columns of a major local newspaper are always on hand.

The Careers and Appointments Service, University of Sydney has indicated that where a Newcastle University student proves that he is a bona-fide student, he may obtain copies of the "Notices of Vacancies" prepared by that Service, upon payment of the current nominal fee.

Casual and Part-time Employment

Unfortunately, it is a fact of life that some students do not have enough money to sustain them during University studies, and have to supplement their financial resources by part-time or casual work. Students may call at the Careers and Student Employment Office at the commencement of each year and complete a card indicating their needs. As opportunities are notified to the Careers and Student Employment Office, appropriate students are informed.

Industrial Experience and Vacation Employment

The Careers and Student Employment Office will provide administrative assistance to the Faculties seeking professional vacation employment for their students. Vacation employment will be sought for those students seeking employment for financial reasons.

Graduate Careers Directory

The Graduate Careers Council of Australia prepares a Directory in three parts for distribution each year to graduating students. The Directory provides general background information on the types of appointments that will be available with a large number of employer organisations in the ensuing year. The Careers and Student Employment Office arranges distribution of this Directory; a few spare copies are available to undergraduates upon request.

All students are invited to consult and use the resources of the Careers and Student Employment Office; this service is free.

Careers Officer — H. Floyer, BEc(Sydney)

Chaplaincy Service

The Chaplaincy Service for the benefit of students and staff is provided by the Christian Churches of Newcastle. The Chaplains' office is situated in the University Union but the Chaplains may also be contacted at their private addresses.

The service offers personal counselling, guidance, assistance in biblical and doctrinal studies, and opportunities for liturgical worship.

Anglican

The Reverend Canon E. H. V. Pitcher, MA(Sydney), ThSchol (Acting Chaplain), The Rectory, Merewether 2291. Telephone 63 1388

Baptist

The Reverend T. H. Binks, 133 Kemp Street, Hamilton 2303. Telephone 61 4048

Methodist

The Reverend B. C. Walker, BA(Sydney), MDiv(Garrett), 95 Macquarie Grove, Caves Beach 2281. Telephone 71 1654

Presbyterian

The Reverend H. G. Durbin, ED, BA, 40 Stewart Avenue, Hamilton 2303. Telephone 61 1455

Roman Catholic

The Reverend Father E. Neira, OP, LST, BA(Oakland), MA, PhDScSc(Santo Tomas), The Presbytery, Shortland 2307. Telephone 55 9364.

Edwards Hall

Edwards Hall is situated on the University Campus near the southeastern boundary of No. 1 Sports Oval, and is approximately one mile by road from the University Library. While the Hall is an integral part of the University and as such is subject to the decisions and directions of the University Council, major responsibility for the government of the Hall has been entrusted by Council to a Board of Trustees made up of three Council members, one Senate member, two senior resident students, one resident subwarden and the Warden.

Three buildings comprise Edwards Hall; a central amenities building flanked by two residential buildings providing 222 residential places for University students and staff, including six positions for residential subwardens.
Residential fees for 1975 have not been determined at the time of printing but as a guide the 1974 residential fees were: Term 1 (11 weeks $286); Term 2 (10 weeks) $260; Term 3 (12 weeks) $312. These fees entitle a member to a bed/study room and its maintenance including fresh linen and 16 meals a week, being breakfast and dinner each day and lunch on Saturday and Sunday.

Residence application forms for 1975 may be obtained from and should be returned to the Warden, Edwards Hall, The University of Newcastle, N.S.W. 2308, by 7 February 1975. Applications received after this date will not necessarily be considered.

Warden — M. W. Blackmore, BSc, PhD(Queen's Belfast), ARIC, ARACI, AFCIA

University Counselling Service

The University Counselling Service is located in the Administration building (entrance at N.W. end). The Service is divided into three major divisions — Personal Counselling; Study Skills Training; Research; with some inevitable overlap between the sections. Apart from individual counselling, courses in an increasing number of areas are held for groups of students.

Student Counsellors assist students — past, present and future — in a wide variety of matters, all contacts with a counsellor being regarded as completely confidential. Most students, whatever their academic level, at one time or another need help in dealing with difficulties which arise during the course of their university lives, and at this University approximately one third of students utilise the Counselling Service.

A student should not wait for a major problem before consulting a counsellor. Many worries take only a few minutes to clear up, and frequently the counsellor's function is simply to direct a student to the right source of information.

Students who are worried about inadequate study methods, personal difficulties, choice of courses or career planning are invited to arrange an appointment with a student counsellor. Counsellors are available for evening appointments.

Study at the University Level

The University Counselling Service published a brief but comprehensive book on this subject in 1967 and a revised edition in 1969. Although produced specifically for students of this University, it is widely used in other tertiary institutions. It may be purchased from the University Cashier at 40 cents per copy.

Senior Student Counsellor — A. P. T. Loftus, BA(Melbourne), MA, MAPsS

Student Counsellors — Anne H. Furner, BA, DipAppPsych, MAPsS
— D. R. Martin, BA, DipEd(Sydney), MAPsS, ABPsS (Temporary Appointment)

Secretary — Joy Hoesli

Overseas Students Service

The Overseas Student Advisor is on campus solely to help overseas students with any problems which may arise. Because of her specialized knowledge, she may be able to give direct assistance, may refer the student to someone in an appropriate field, (e.g., legal, health, insurance, etc.) or she may speak at the student's request and on his behalf with government officers, staff members or others.

Any discussion with the Overseas Student Advisor is completely confidential. She may be contacted either through the University Counselling Service or in the University Union.

Overseas Student Advisor — Robin Loftus, BA(Adelaide)

Student Loan Fund

The Council of the University has established a Student Loan Fund which is managed by a committee consisting of the Deputy Chairman of Senate, the Bursar and the Vice-Principal (Chairman). This loan is now supplemented by government grant.

Loans may be made to an undergraduate where the committee is of the opinion that his academic performance is of sufficient merit and his financial circumstances warrant a loan.

The total loan to any one undergraduate shall not normally exceed $600 at any one time and an undergraduate granted a loan is required to enter into an agreement. In special circumstances the Committee may grant a loan to a student other than an undergraduate.

Repayment must commence not later than twelve months after graduation or if the borrower fails or withdraws from his course or on demand as required by the University. No interest is charged while the borrower is an undergraduate but interest at a rate of not less than 5% per annum on the balance owing from time to time is charged from the date of graduation or the date on which an undergraduate fails or withdraws from a course.
Any student wishing to seek assistance from the Fund may apply in person to the Vice-Principal or through the President of the Students' Representative Council or his nominee.

**University Health Service**

Pending the establishment of a Health Centre, an interim service located in the Union, functions during term time. The medical officer, Dr. John Raschke, attends each Tuesday and Thursday morning and qualified nurses are on duty on the other days. The service, which is free, is essentially diagnostic and does not undertake continuing treatments.

**University Student Legal Referral Service**

Members of the Department of Legal Studies conduct a Student Legal Referral Service for students with problems of a legal nature. Students are given, without liability, free legal advice and are advised how and where they may obtain legal aid and representation. The times that the Service operates are shown on the Legal Studies Notice Board.

**University Co-operative Bookshop Ltd**

The University Co-operative Bookshop, located in the Union building, supplies text and reference books and caters for a wide range of general reading. On payment of $5, refundable on request, students become shareholders and receive a yearly rebate on all purchases.

**The Citizen Military Force's Unit**

The University of Newcastle Company, the Citizen Military Force's Unit affiliated with the University, was formed in 1957 as a Sub-Unit of the University of Technology Regiment which is now called The University of New South Wales Regiment. Its function is to train graduates and undergraduates for commissioned rank in the C.M.F. and the training, designed with this in view, is done on an Infantry basis and consists of:

(a) An Annual Camp for three weeks in February
(b) An optional camp of fourteen days in December
(c) Two weekend bivouacs a year
(d) Parades on Friday nights of two hours duration
(e) Weekend day parades

The training programme is designed to fit in with vacations, examinations, and deferred examinations and there is practically no commitment in third term. Leave is available from activities where a good reason exists.

Enlistment in the Company is voluntary and is open to all graduates or undergraduates who are 17 years of age or over. The current strength of the Company is 100.

**Benefits**

Members of the University of Newcastle Company are eligible for the following benefits:

- An opportunity to reach commissioned rank in 2-3 years.
- Tax-free pay for all training undertaken.
- Refund of travelling expenses.
- Opportunities for attendance at Regular Army Courses and short time attachments to Army units in Malaysia or New Guinea.
- Free meals and accommodation at camps and bivouacs.
- Free Uniforms.

Enquiries should be made at the Training Depot, King Street, Newcastle West.

**Officer Commanding** — Capt. P. Groves

**Full-time Staff** — WO2 M. Grovenor
S/Sgt P. Toohey

**Other Facilities**

Newcastle University Post Office and branches of the Commonwealth Bank and the Bank of New South Wales are available on the campus.
University Organisations

Newcastle University Students' Association

Membership
All students proceeding to a degree or a diploma are members of the Students' Association.

Included in the General Services charge, is $10.75 subscription to the Newcastle University Students' Association (N.U.S.A.). You are all financial members of this Association and have every right — and a duty to yourselves — to take part in the running of the Association and the administration of its collective assets.

Students' Representative Council
Each year, the Students' Association elects a number of students (27 at present) to the Students' Representative Council. This Council's purpose is:
1. to work for student welfare: in matters both academic and social, both internal and external to the University community. The S.R.C. has been instrumental in the formation of the Food Co-Op.; the installation of a Pharmacy on campus; the provision of medical services; the provision of automatic insurance cover for students; and other welfare schemes.
2. to implement student association policy on matters academic, political or administrative. N.U.S.A. policy is decided at official lunchtime meetings where all students may attend and vote.
3. to give money and other aid to the various clubs and societies, including religious, political and social groupings on campus;
4. when needed, to act as the students' voice in submissions to the University administration, the mass media, and various government departments;

With its various committees, for example, the Welfare and Education Committees, and its officers such as the Education Campaign Director, the Services Officer and so on, N.U.S.A. attempts to facilitate as many expressions of cultural activity as possible, as well as organizing action to effect student policy on environment, aboriginal rights, apartheid and so on.

Each year, the Association organises, with some help, Orientation week and early in July, Autonomy Day, which is the equivalent of Commem. Foundation Day, or similar activities at other universities.

Australian Union of Students
As the Students' Association is a constituent member of the Australian Union of Students, students of the University may take part in the activities of this body. Some of these activities which affect students more directly are the several intervarsity cultural festivals, travel to New Zealand and many countries in Asia, village schemes in Papua/New Guinea, raising money for aboriginal scholarships the World University Service, national campaigns on education, and the national student newspaper, National 'U'.

The Association, by way of general student meetings, ad hoc committees, and its officers, pursues policy on a wide variety of social, political, educational and welfare activities both internal to the campus and affecting our society as a whole. Frequently, controversial issues are raised and discussed. The ultimate decision on what your Association does, and how your money is spent, depends on all of you. The executive officers of your association are not there to decide policy, but to carry out your decisions.

It is more important than ever that new students help run the association. At the moment too few students do much of the work, and as the older students leave, the new ones must fill the gap or the association will collapse as a functioning unit. How can you help? Come to the general student meetings and vote; vote also in the S.R.C. elections and stand for positions that interest you. In general, try not to be apathetic or disinterested.

President — G. Chilvers
Secretary — G. Wicks

Newcastle University Union

Objects
The objects of the Union are to provide a common meeting ground and social centre for men and women who are members of the University; to promote the education and the intellectual culture of its members by debates and otherwise and generally, to secure the cooperation of University men and women in furthering the interests of the University.

Facilities
The Union maintains a fine building on the campus and facilities provided include a complete range of catering services (a liquor licence has been approved), recreational and common room areas, a reading room, rooms for meetings and functions of all kinds, for 16 m.m film projection, for T.V., and for music practice. A games complex on the lower level provides billiards, table tennis, chess, and music listening outlets. A Student Counsellor, the Overseas
Student Advisor and the Chaplains are also on this lower level whilst a Student Health Centre with a doctor in attendance is located in the main building.

The new commercial area includes the Union Shop, which provides for the academic needs of members, a University Co-operative Bookshop, an A.U.S. Travel Service and an A.U.S. pharmacy, operative from 1st Term 1975, together with premises operated by the Bank of New South Wales and David Jones Ltd.

The office of the Students' Representative Council is located within the new extensions, together with Union administrative offices.

**Membership**

Membership of the Union, obligatory for all registered students, is open to graduates, members of the University Council and the permanent staff of the University.

**Board of Management**

The Board of Management, elected each April, conducts the affairs of the Union. Membership consists of:

- two members appointed by the Council of the University
- ten members of the Union (at least two of whom must be graduates) elected by the members of the Union
- two members of the Union who are members of the Students' Representative Council
- one member of the Union who is a committee member of the Sports Union
- one representative of the staff of the Union elected by the Union Staff and
- the Secretary Manager of the Union.

_President_ — R. B. Griffiths  
_Secretary Manager_ — W. V. Bridgwater

**The University of Newcastle Sports Union**

The Sports Union/Amenities office is located in the temporary building adjacent to the Mathematics/Classrooms building. The Sports Union is the student organisation responsible for the promotion and control of sporting activities within the University. Students interested in participating in any sport should contact the Amenities Officer or one of the Sports Union Executive.

**Membership**

The annual income of the Sports Union is derived from a portion of the General Services charge, payment of which entitles a student to membership of the Sports Union. Associate membership is available to staff and graduates on payment of a special charge.

**Affiliated Clubs**

Athletics, Australian Rules, Badminton, Men's and Women's Basketball, Canoeing, Cricket, Fencing, Golf, Men's and Women's Hockey, Mountaineering, Netball, Men's and Women's Rowing, Rugby Union, Rugby League, Sailing, Skiing, Soccer, Softball, Squash, Surfing, Swimming, Table Tennis, Taekwon-Do, Tennis, Underwater, Volleyball.

**Inter-Varsity and Inter-Faculty Contests**

Inter-varsity contests are hosted by a different university each year. Clubs participating are subsidised by the Sports Union. Inter-Faculty contests stimulate friendly rivalry and encourage higher sport participation.

**Blues & Colours**

For outstanding individual performances in sport, Blues and Sporting Colours are awarded.

**Sports Union Committee**

Each club is represented on the Sports Union Committee. The Executive Committee consists of the President, Vice-President, Honorary Secretary, Treasurer, a University Council representative, two General Committee delegates and the Amenities Officer.

_President_ — B. P. O'Shea, BCom  
_Secretary_ — P. Hunt, BA

_Treasurer_ — I. R. Beaman, BSc (New South Wales), DipIndEng  
_Amenities Officer_ — H. Bradford

**Convocation**

Convocation provides an opportunity for graduates to maintain a positive interest and influence in University affairs. It has the right to discuss and to pronounce an opinion on any matter relating to the University, and to communicate directly with the Council or Senate of its own volition or at the request of either body. Convocation elects five members of the University Council.

Public meetings at which topics of interest are discussed are conducted by Convocation as well as general meetings. Convocation is controlled through a Standing Committee consisting of a Chairman, who is called the Warden of Convocation; the Immediate Past Warden, who is the Deputy Chairman; twelve members who are members of Convocation elected by Convocation; and members of Council elected by Convocation who are not already members of the Standing Committee.
Membership is automatic for graduates of this University, and for those graduates of the University of New England and of the University of New South Wales who spent at least three years as students of Newcastle University College; for present and past members of the University Council; and for present full time members of the academic staff and graduate permanent members of the administrative, library and technical staff.

Council may admit as members of Convocation upon payment of $10

(a) graduates of other universities who are resident in the Hunter Valley or North Coast areas; and
(b) such other university graduates as the Council may approve.

Warden — Professor K. R. Dutton, MA(Sydney), DU(Paris), MACE

Secretary — E. J. Buckman, BSc(New South Wales), MEngSc, ASTC, MIEAust

Treasurer — G. Mitchell, BCom

Immediate Past Warden — W. G. Derkenne, LLB(Sydney), BA

Standing Committee Members

J. W. Armstrong, BA
A. J. Chambers, BE(New South Wales), ME, PhD(Stanford), GradIEAust
Nina L. Cornelius, BMath
E. Gwen Hamilton, BA(New South Wales), ALAA
Katalin Heiner, BCom
Carmen J. Johanson, MA
J. A. Lambert, BSc(Sydney), MSc(New South Wales), FBCS, MACS
Barbara J. Lord, BSc(Sydney), BA
P. A. Marquet, BA(Sydney), AASA, ALCM, STSD
G. Mitchell, BCom
F. O. J. Purdue, CBE, HonDSc
B. W. Relf, BA

Standing Committee and University Council Members

C. B. Belcher, MSc(New South Wales), ASTC, FRACI, FIM(Lond.)
E. J. Buckman, BSc(New South Wales), MEngSc, ASTC, MIEAust
C. J. A. Cornelius, BCom
W. G. Derkenne, LLB(Sydney), BA
K. H. White, MB, BS(Sydney), BA; DCP(Lond.), FRCPA
## Where to Obtain Information

### Locations of Officers and Amenities

- **A** = Arts/Administration building
- **LG** = Lower ground floor
- **G** = Ground floor
- **1** = First floor
- **M** = Temporary building adjacent to Mathematics/Classrooms building
- **S** = Social Sciences Building

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Where to Obtain Information

If you have any problems about your course you should generally seek the advice of the academic staff, particularly the Dean or Sub-Dean. The list below indicates other officers or amenities who may be consulted about appropriate problems. The location of these officers or amenities is given on the reverse of this page.

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