A. GENERAL INFORMATION

Faculty Staff

Dean
Professor E. C. Parker

Sub-Dean
E. L. Harkness

Faculty Secretary
R. J. Archer

Architecture

Professor
E. C. Parker, HonMArch, ASTC, FRAIA

Associate Professor
R. M. Deamer, MArch, ASTC, FRAIA

Senior Lecturers
H. C. Appleby, MArch, DipTCP(Sydney), FRAIA
N. H. Clouten, BArch(Sydney), MArch(Ohio State), PhD(Edinburgh), FRAIA, ARIBA
P. Drew, BArch(New South Wales)
E. L. Harkness, BArch, MBdgSc(Sydney) MArch, FRAIA
S. C. Morton, ASTC, FRAIA, ARIBA, MRAPI

Lecturers
H. C. Clarke, BArch(Auckland), ARAIA, ARIBA, ANZIA
R. J. Donaldson, BArch, ARAIA, ARIBA
M. F. Park, BArch(New South Wales), ASTC, ARAIA
J. K. Rockey, BArch(New South Wales), PhD(Rome), PhD(Oxon)

Tutor
Sue Cumming, BArch(Melbourne)

Computer Programmer
D. J. Malcolm

Departmental Secretary
Diane L. McNeil

Technical Staff
P. J. Thomas

Senior Laboratory Craftsman
D. W. H. Mudway

Laboratory Assistant
P. K. Muller

Part-time Teaching Staff1
W. Ashton, BArch(Sydney)
K. W. Ahrens, BArch
D. Berry, Department of Technical Education
D. N. Binh, BE
Miriam Burkett, Interior Designer, N.S.W. Department of Public Works
J. Goodwin, Department of Technical & Further Education
A. J. Guy, FRAIHS

Part-time Staff continued —

P. D. Hallinan, BSc(Arch), BArch
N. Jones, Department of Technical & Further Education
L. T. Khoth, BE
R. Lang, Department of Technical & Further Education
Val McGovern, DipLArch(Queensland Institute of Technology)
M. Merrilees, Photographer
H. Schultz, BSc(Eng)
N. Shields, Department of Technical & Further Education

Servicing Staff1
I. R. Beaman, BSc(New South Wales), PhD, DipIndEng
L. W. B. Browne, BE(Sydney), PhD
E. J. Burke, BCom(New South Wales), MA(Leeds), AASA
G. Cowper-Hill, LLB(Bristol)
R. W. Gibbins, BCom(Queensland), ACA
F. W. Kleeman, BE(Adelaide), FSASM
D. W. Mitchell, BA, LLB(Australian National)
W. A. G. Enright, BA(Sydney), LLB(London)

Visiting Staff1
A. Bradley, Dept Fine Arts, University of Sydney
R. McL. Cowdroy, Planners' Division
G. C. Cullis-Hill, Minnett Cullis-Hill, Petersen & Powell, Architects
M. Dacombe, Rawlinson, Roberts & Partners
A. Disney, Norman Disney & Young Pty Ltd, Consulting Engineers
M. A. Sulk, Dept Fine Arts, University of Sydney
M. Dudman, Conservatorium of Music, Newcastle
F. Hoffmann, Chairman of N.S.W. Corporation of Insurance Brokers
E. Mignacchi, Dept Fine Arts, University of Sydney
N. Moore, Dept Fine Arts, University of Sydney
R. Parker, Principal, R. F. Parker Pty Ltd, Master Builder, Newcastle
D. Phillips, Newcastle District Architect, N.S.W. Department of Public Works
Ursula Prunster, Dept Fine Arts, University of Sydney
R. Sandall, Dept of Anthropology, University of Sydney
Jennifer Sherwood, Dept Fine Arts, University of Sydney
A. Snodgrass, Lecturer in Asian Art & Architecture
B. J. Suters, Brian Suters & Associates Pty Ltd, Architects, Newcastle

External Examiners1
B.Sc.(Arch.) Course
B. S. Saini, Professor of Architecture, University of Queensland
B.Arch. Course
E. C. Daniels, Professor of Architecture, University of New South Wales

1 This schedule lists the names of those who were associated with the Department of Architecture in 1977. Some changes are anticipated in 1978.
Location

The Faculty of Architecture functions in a self-contained building on the University campus where it is located across the western footbridge from the Library and Union over the ring road and adjacent to the Metallurgy building. The nearest general car park is west of the Metallurgy building. See the frontispiece plan for further details.

The postal address is:

Faculty of Architecture
The University of Newcastle, N.S.W. 2308

The University telephone number is 68 0401.

The Departmental Office extension number is 361.

University of Newcastle Architectural Students' Association

Membership is open to both students and staff of the Faculty of Architecture as well as members of the architectural profession. Students of other faculties may be admitted as associate members. The Association aims at bringing together students at all levels within the Faculty and holds functions, both social and academic, including lectures by prominent members of the profession.

Announcements of the Architectural Students' Association's activities are posted on the Notice Board in the Architecture building.

Professional Recognition

Holders of the degree of Bachelor of Architecture of the University are entitled to be registered as architects under the New South Wales Architects Act (No. 8, 1921, as amended) and the Regulations under that Act as amended.

An up-to-date copy of the Act and Regulations is held in the Departmental Office as is a stock of forms for application for registration as an architect.

Professional Association

Students enrolled in the Faculty of Architecture are advised to apply for student membership of the Royal Australian Institute of Architects. The Institute issues a wide range of publications and holds numerous functions both social and educational at specially reduced rates for students, all of which should be of interest and value to the student architect.

Advisory Prerequisites for Entry to the Bachelor of Science (Arch.) in 1978

Students intending to enter the Faculty of Architecture will find the Building Science, Structures and Data Processing units of the undergraduate course approved by the Faculty easier to handle if at the 1977 H.S.C. examination they have attempted at least 2 units of mathematics and 2 units of physics and received grades of 1, 2 or 3 in these subjects.

Student Representation in Faculty Affairs

Provision is made for student representatives to be elected to the Departmental Committee and the Faculty Board of the Faculty. The Faculty Board has responsibility for the teaching and research activities of the Faculty and determines such examinations as may be held within the Faculty.

The Departmental Committee considers any matters related to the academic and other activities of the Department of Architecture referred to it by its members or by the Faculty Board, Faculty of Architecture and reports or makes recommendations as it sees fit to the Head of the Department of Architecture or the Faculty Board as may be appropriate.

Financial Assistance

Financial assistance is available to full-time students attending the University subject to certain conditions. Information on these conditions is available from Student Administration.

Selection for Admission

Admission to the Faculty of Architecture is competitive and in determining selection, account is taken of the academic qualifications and experience possessed by the applicant.

Awards

N. B. Pitt — James Hardie Scholarship, tenable for one year in Australia or overseas, is awarded to a University of Newcastle Bachelor of Architecture of not more than 3 years standing or a Bachelor of Architecture final year student for postgraduate study or research into environmental problems having particular regard to the Newcastle area.
Prizes

Newcastle Gas Co. Prize
This prize, donated by the Newcastle Gas Co. Ltd, is awarded at the end of 3rd year to the outstanding student in Architecture IIB, Architecture IIIB and Architecture IIIIB.

P.G.H. Prize
The P.G.H. prize, donated by P.G.H. Industries Ltd, is awarded to the outstanding student graduating with the B.Sc.(Arch.) (3rd year).

Board of Architects of New South Wales Prize
The Board of Architects of N.S.W. Prize is awarded for the best academic performance in the Bachelor of Architecture degree course, if of sufficient merit.

Further information on prizes and awards may be obtained from University Administration.

Drawing Office Equipment
Each student should acquire the following essential equipment prior to commencing the course:
A double elephant drawing board for home use with tee square to match.
12" adjustable set square.
Set of drawing instruments including spring bows and a pair of 6" compasses adaptable for pencil, pen and divider attachments.
12" architectural (not engine divided) composition scale with 1:100, 1:50; 1:20 and 1:10 scales.
Ruling and freehand pens, pencils varying from hard (H) to soft (B).
Water and poster colours.
One 6' steel tape, combined for inches and metric.
Steel erasing shield.
Dusting brush.

Academic Dress
The Academic Dress worn by graduates of the Faculty of Architecture of the University of Newcastle is as follows:

Gowns
(a) Degree of Bachelor
   A gown of black cloth as worn by Bachelors of Arts of the University of Cambridge.
(b) Degree of Master
   A gown of black cloth as worn by Masters of Arts of the University of Cambridge.
(c) Degree of Doctor of Philosophy
   A gown of garnet cloth faced with silver grey to a width of 4 inches.

Caps and Bonnets
(a) Degree of Bachelor and Master
   Men — a black cloth trencher cap
   Women — a black Canterbury cap.
(b) Degree of Doctor of Philosophy
   A black velvet bonnet with a silver cord.

Hoods
(a) Degree of Bachelor of Science (Architecture)
   A full hood of black silk lined to a depth of 6 inches with garnet and a 1½ inch edging of silver grey.
(b) Degree of Bachelor of Architecture
   A full hood of black silk lined to a depth of 6 inches with garnet.
(c) Degree of Master of Architecture
   A full hood of black silk lined with garnet.
(d) Degree of Doctor of Philosophy
   A hood of garnet lined with silver grey.
B. DEGREE REQUIREMENTS

Students enrolled under Degree Requirements introduced in 1973 should consult the 1975 Faculty handbook.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE (ARCHITECTURE)

1. Definitions
In these Requirements, unless the contrary intention appears, “the Faculty” means the Faculty of Architecture and “the Faculty Board” means the Faculty Board of the Faculty of Architecture.

2. Timetable Requirements
No candidate may enrol in any year for any combination of subjects which is incompatible with the requirements of the timetable for that year.

3. Annual Examinations
The Annual Examinations shall normally be held at the end of Third Term.

4. Special Examinations
A candidate may be granted a special examination in accordance with the provisions of By-law 5.9.3.

5. Examination Grades
The results of successful candidates at Annual Examinations and Special Examinations shall be classified:
Pass, Credit, Distinction, High Distinction.

6. Grading of Degree
The degree of Bachelor of Science (Architecture) may be conferred as an ordinary degree or as a degree with merit.

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

8. Qualification for Degree
To qualify for the degree, a candidate shall:
(a) pass the subjects prescribed in Schedule A; and
(b) satisfy the Elective Requirements prescribed in Schedule B.

9. A Subject
(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.

10. Prerequisites and Corequisites
(a) A candidate shall not enrol in a subject for which a prerequisite subject or subjects is prescribed without having passed any such prerequisite subjects or having been granted standing in them.
(b) A candidate shall not enrol in a subject for which a corequisite subject or subjects is prescribed unless he is enrolling concurrently in any such corequisite subjects prescribed.
(c) A candidate shall not enrol in a Part III subject until he has passed all Part I subjects prescribed for the course.

11. Standing
A candidate may be granted such standing in the course in recognition of work completed in another course, faculty or tertiary institution as may be determined by the Faculty Board.

12. Withdrawal
(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 after the sixth Monday in second term from a subject in which he has enrolled shall be deemed to have failed in the subject save that, after consultation with the Head of Department concerned, the Dean may grant permission for withdrawal without penalty.

13. Progression
(a) Progression in the course shall be by subject;
(b) A candidate may not enrol in more than four subjects in any one academic year. The Dean may, in individual cases, relax this Requirement but only if he is satisfied that exceptional circumstances exist or the academic merit of the candidate warrants such relaxation.
SCHEDULE OF SUBJECTS — SCHEDULE A

<table>
<thead>
<tr>
<th>Subject</th>
<th>Prerequisites</th>
<th>Corequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture IA</td>
<td>See Schedule B</td>
<td>Architecture IA and Architecture IB</td>
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<tr>
<td>Architecture IB</td>
<td>Architecture IA</td>
<td>Architecture IB</td>
</tr>
<tr>
<td>Architecture IC</td>
<td>Architecture IC</td>
<td>Architecture IC</td>
</tr>
<tr>
<td>Elective I</td>
<td>See Schedule B</td>
<td>Architecture IA and Architecture IB</td>
</tr>
<tr>
<td>Part II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture II A</td>
<td>Architecture IA</td>
<td>Architecture IA</td>
</tr>
<tr>
<td>Architecture II B</td>
<td>Architecture IB</td>
<td>Architecture IB</td>
</tr>
<tr>
<td>Architecture II C</td>
<td>Architecture IC</td>
<td>Architecture IC</td>
</tr>
<tr>
<td>Elective II</td>
<td>See Schedule B</td>
<td>Architecture IA or Architecture IB</td>
</tr>
<tr>
<td>Part III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture III A</td>
<td>Architecture II A</td>
<td>Architecture II A</td>
</tr>
<tr>
<td>Architecture III B</td>
<td>Architecture II B</td>
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<tr>
<td>Architecture III C</td>
<td>Architecture II C</td>
<td>Architecture II C</td>
</tr>
<tr>
<td>Elective III</td>
<td>See Schedule B</td>
<td>Architecture II A or Architecture II B</td>
</tr>
</tbody>
</table>

SCHEDULE OF SUBJECTS — SCHEDULE B

ELECTIVE REQUIREMENTS

Electives I, II and III
A candidate shall select either:

(a) a subject or subjects offered by a department other than the Department of Architecture and approved by the Dean provided that the subject or subjects selected have not been passed previously by the candidate, or

(b) a subject offered by the Department of Architecture and approved by the Dean from the list of subjects approved for this purpose by the Faculty Board provided that the subject selected has not been passed previously by the candidate.

Note
The approved list of Elective subjects appears in the section "Faculty Policies" in the Faculty of Architecture handbook.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARCHITECTURE

1. Definitions
In these Requirements, unless the contrary intention appears, "the Faculty" means the Faculty of Architecture and "the Faculty Board" means the Faculty Board of the Faculty of Architecture.

2. Registration as a Candidate
(a) An application to register as a candidate for the degree shall be made on the prescribed form and lodged with the Secretary by the closing date indicated.
(b) To be eligible for registration as a candidate an applicant shall —
   (i) have satisfied all requirements for admission to the degree of Bachelor of Science (Architecture) in the University of Newcastle; or
   (ii) have satisfied all requirements of another university for an equivalent qualification approved for this purpose by the Faculty Board; or
   (iii) in exceptional circumstances hold such other academic and professional qualifications as may be approved by Senate on the recommendation of the Faculty Board.

3. Timetable Requirements
No candidate may enrol in any year for any combination of subjects which is incompatible with the requirements of the timetable for that year.

4. Annual Examinations
The Annual Examinations shall normally be held at the end of Third Term.

5. Special Examinations
A candidate may be granted a special examination in accordance with the provisions of By-law 5.9.3.

6. Examination Grades
The results of successful candidates at Annual Examinations and Special Examinations shall be classified:
Pass, Credit, Distinction, High Distinction.

7. Grading of Degree
(a) the degree of Bachelor of Architecture may be conferred as an ordinary degree or as a degree with honours;
(b) there shall be two classes of Honours, namely Class I and Class II.
8. **Medals**

The Faculty Board may recommend for the award of a University medal any candidate qualifying for admission to the degree with 1st Class Honours who, in its opinion, has displayed outstanding ability.

9. **Relaxing Clause**

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

10. **Qualification for Degree**

To qualify for the degree, a candidate shall:

(a) pass the subjects prescribed in Schedule C; and

(b) satisfy the Elective Requirements prescribed in Schedule D.

11. **Prerequisites and Corequisites**

(a) A candidate shall not enrol in a subject for which a prerequisite subject or subjects is prescribed without having passed any such prerequisite subjects or having been granted standing in them.

(b) A candidate shall not enrol in a subject for which a corequisite subject or subjects is prescribed unless he is enrolling concurrently in any such corequisite subjects prescribed.

12. **A Subject**

(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.

13. **Standing**

A candidate may be granted such standing in the course in recognition of work completed in another course, faculty or tertiary institution as may be determined by the Faculty Board.

14. **Withdrawal**

(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 after the sixth Monday in second term from a subject in which he has enrolled shall be deemed to have failed in the subject save that, after consultation with the Head of Department concerned, the Dean may grant permission for withdrawal without penalty.

15. **Progression**

(a) Progression in the course shall be by subject;

(b) A candidate may not enrol in more than four subjects in any one academic year. The Dean may, in individual cases, relax this requirement but only if he is satisfied that exceptional circumstances exist or the academic merit of the candidate warrants such relaxation.

**SCHEDULE OF SUBJECTS — SCHEDULE C**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Prerequisites</th>
<th>Corequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Part IV</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture IVA</td>
<td></td>
<td>Architecture IVA or</td>
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<tr>
<td>Architecture IVB</td>
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<td>Architecture IVB</td>
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<tr>
<td>Architecture IVC</td>
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</tr>
<tr>
<td><strong>Elective IV</strong></td>
<td>See Schedule D</td>
<td></td>
</tr>
<tr>
<td><strong>Part V</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture VA</td>
<td>Architecture IVA</td>
<td></td>
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<tr>
<td>Architecture VB</td>
<td>Architecture IVB</td>
<td></td>
</tr>
<tr>
<td>Architecture VC</td>
<td>Architecture IVC</td>
<td></td>
</tr>
<tr>
<td><strong>Elective V</strong></td>
<td>See Schedule D</td>
<td></td>
</tr>
</tbody>
</table>

**SCHEDULE OF SUBJECTS — SCHEDULE D**

**ELECTIVE REQUIREMENTS**

**Electives IV and V**

A candidate shall select either:

(a) a subject or subjects offered by a department other than the Department of Architecture and approved by the Dean provided that the subject or subjects selected have not been passed previously by the candidate, or

(b) a subject offered by the Department of Architecture and approved by the Dean from the list of subjects approved for this purpose by the Faculty Board provided that the subject selected has not been passed previously by the candidate.

**Note**

The approved list of Elective subjects appears in the section "Faculty Policies" in the Faculty of Architecture handbook.

**REQUIREMENTS FOR THE DEGREE OF**

**MASTER OF ARCHITECTURE**

1. An application to register as a candidate for the degree of Master of Architecture shall be made on the prescribed form which 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.
2. An applicant for registration for the degree of Master shall have been admitted to a Bachelor's degree in Architecture in an approved university, provided that,

(i) In exceptional cases, persons may be permitted to register as candidates for the degree of Master if they submit evidence of such general and professional attainments as may be approved by the Senate.

(ii) The registration of diplomates of the New South Wales Department of Technical Education as candidates for the degree of Master of Architecture shall be determined in each case by Senate. Normally such applicants shall be required to produce evidence of academic and professional progress over a period of five years from the time of gaining the diploma.

3. The applicants approved by the Senate shall register in one of the following categories:

(i) Student in full-time attendance at the University.

(ii) Student in part-time attendance at the University.

(iii) Student working externally to the University.

4. Every candidate for the degree shall be required to carry out a programme of advanced study, to take such examinations, and to perform such other work as may be prescribed by Senate. The programme shall include the preparation and submission of a thesis embodying the results of all original investigations or design relative to architecture. The candidate may submit also for examination any work he has published whether or not such work is related to the thesis.

5. The investigation or design, and other work as provided in paragraph 4 shall be conducted under the direction of a supervisor appointed by Senate or under such conditions as Senate may determine.

6. Every candidate shall submit three copies of the thesis as provided under paragraph 4*. All copies of the thesis shall be in double-spaced typescript, shall include a summary of approximately 200 words, and a certificate signed by the candidate to the effect that the work has not been submitted for a higher degree to any other university or institution. The ORIGINAL copy of the thesis for deposit in the Library shall be prepared and bound in a form approved by the University. The other two copies of the thesis shall be bound in such a manner as allows their transmission to the examiners without possibility of disarrangement.

It shall be understood that the University retains the three 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.

7. No candidate shall be considered for the award of the degree until the lapse of six complete terms from the date from which the registration becomes effective, save that in the case of a full-time candidate who has obtained the degree of Bachelor of Architecture with Honours or who has had previous research experience, this period may, with the approval of Senate, be reduced by not more than three terms.

8. For each candidate there shall be two examiners appointed by Senate, one of whom shall, if possible, be an external examiner.

* The thesis and other relevant work may be submitted to the Secretary at any time during the year, within the provisions of paragraph 7 of the Master of Architecture Requirements. In order that a successful candidate may have a reasonable chance of having his degree awarded at a conferring of degrees ceremony, the candidate should arrange for his thesis and other relevant work to be in the hands of the Secretary at least fourteen weeks prior to the date of such ceremony.

C. FACULTY POLICIES

Faculty Board policies of special interest to students are as follows —

Criteria for the Award of the Degree with Merit and Honours

(a) **Condition for the Award of the B.Sc.(Arch.) degree with Merit.**

To be eligible for consideration for the award of the degree of B.Sc.(Arch.) with Merit, a student's averaged results in all subjects of that course should be of credit grade or above and there should be no continuing record of failure in any subject.

(b) **Condition for the Award of the B.Arch. degree with Honours.**

To be eligible for the award of the degree of Bachelor of Architecture with Honours Class I a student's averaged marks in all subjects of that course shall be 72% or better and there shall be no failure in any subject.

To be eligible for the award of the degree of Bachelor of Architecture with Honours Class II, a student's averaged marks in all subjects of the course shall lie between 65% and 71% inclusive and there shall be no failure in any subject.

Conditions for the Granting of Standing as determined by the Faculty Board, Faculty of Architecture pursuant to clause 11 of B.Sc.(Arch.) and clause 12 of the B.Arch. degree requirements

(a) Subject to the approval of the Dean of the Faculty of Architecture, standing may be granted in a subject, subject-unit or subject sub-unit in recognition of work completed in another course in this university or any other tertiary institution.

(b) For the purpose of determining eligibility for the award of a degree with merit in the case of the B.Sc.(Arch.) degree or with honours in the case of the B.Arch. degree, of students admitted to either degree course with standing, results of those subjects completed within the University of Newcastle, N.S.W., only shall be taken into account in accordance with the relevant degree requirements.
**Student Progression**

As indicated in the degree requirements and the schedule of subjects, students proceed by subject and not by year. A student who is required to repeat a subject may, in exceptional circumstances and at the discretion of the Head of the Department, be granted standing in any passed unit or sub-unit of that subject. A student who has failed a subject should apply to the Head of the Department to determine whether any standing will be granted in units/sub-units of that subject.

**Subjects incompatible with the elective requirements for the B.Sc. (Arch.) and B.Arch. degree courses.**

The following subjects offered by departments other than the Department of Architecture, shall not be approved as elective subjects in respect of clause 8 Qualification for Degree sub clause (b) of the B.Sc. degree requirements and clause 10 Qualification for Degree sub clause (b) of the B.Arch. degree requirements because their content overlaps substantially with core subjects in the degree courses:

- Introductory Quantitative Methods
- Commercial EDP
- Legal Studies I

Students may not enrol in the units CE111 Statics and ME111 Graphics offered by the Faculty of Engineering.

**List of subjects approved by the Faculty Board as electives to be offered by the Department of Architecture in 1978.**

**B.Sc.(Arch.) Degree Course**

Elective I may be chosen from:
- Urban Design A
- Landscape Design A
- Humanities

Elective II and III may be chosen from:
- Interior Design A
- Interior Design B
- Landscape Design A
- Landscape Design B
- Urban Design A
- Urban Design B
- Humanities

**B.Arch. Degree Course**

Elective IV and V may be chosen from:
- Architectural Research
- Interior Design A
- Interior Design B
- Landscape Design A
- Landscape Design B
- Urban Design A
- Urban Design B
- Humanities

**Note** Students are advised that not all subjects listed will necessarily be offered in 1978.

**D. SUBJECT DESCRIPTIONS**

**Preface**

Subject descriptions are currently under review in the Department of Architecture and any variations and additional information to that shown below will be issued from the Departmental Office after the 1st February, 1978.

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.

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

4. **Hours**
   - Subject hours may include lectures, tutorials or studio periods. The periods vary in length, but are normally of one or two hours duration. Students should read the timetable for details.

5. **Examination**
   - The formal examination requirements are stated, however, progressive assessment is used in some subjects and students are required to make submissions of work as specified by lecturers and tutors. Periodic examinations are usually held during the year. Work completed during the year will be taken into account in assessing students' final resultant grades. Failure to submit written work may involve exclusion from examinations in accordance with the University By-Laws.

6. **Content**
   - An outline of subject content.

7. **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.
Essential books which are recommended for purchase.

Students should not restrict their reading to texts as 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.

A list of subject electives with relevant details will be available from the Faculty Secretary.

211700 Architecture IA

Prerequisites Nil

Hours Approx. 7 hours per week

Content

1. 211701 Visual Studies
   This topic deals with such aspects of visual studies as freehand drawing, use of media, life drawing, study of natural forms, exercises in 2D and 3D space, construction and proportion, elements of letter form, tone and colour, light and optics, descriptive geometry, architectural graphics.

2. 211702 Data Processing
   An introduction to data and literature storage retrieval systems and computing studies for architects.

3. 211705 Man Environment Studies
   An introduction to Anthropometrics, Ergonomics, studies in architectural history and theory.

Text
Norberg-Schulz, C. Meaning in Western Architecture (Studio Vista)

211800 Architecture IB

Prerequisites Nil

Hours Approx. 5 hours per week

Content

1. 211801 Structures
   The equilibrium of two and three dimensional force systems.

2. 211802 Construction
   Construction principles, techniques and documentation, site organisation, cost control.

3. 211803 Environmental Technology
   Properties of materials, introduction to building, equipment and services.

Text
Hall & Archer Engineering Mechanics — Principles of Statics (N.S.W. U.P.)

211900 Architecture IC

Prerequisites Nil

Corequisites Architecture IA & IB

Hours 4½ hours per week

Examination To be advised

Content

Information presented in the subjects above and other information is brought to a synthesis as the basis for design and as an intellectual and philosophical perspective of architecture. Lectures and tutorials relate directly to the physical environment, landscape design and architectural design methods.

Texts To be advised

219100 Elective I
(See Schedule of Subjects — Schedule B Elective Requirements).

212800 Architecture IIA

Prerequisite Architecture IA

Hours Approx. 6 hours per week

Examination To be advised

Content

1. 212801 Visual Studies
   Development of topics introduced in Architecture IA.

2. 212802 Data Processing
   Introduction to statistics, development of computing studies introduced in Architecture IA.

3. 212805 Man Environment Studies
   Introductory studies in sociology, economics, history, political science, psychology, studies in architectural history and theory.

Texts
Gardner Social Surveys for Social Planners (Holt, Rinehart & Winston)
Norberg-Schulz, C. Meaning in Western Architecture (Studio Vista)
212820 Architecture IIB
Prerequisite Architecture IB
Hours Approx. 6 hours per week
Examination To be advised

Content
1. 212821 Structures
Stress, strain relationships, behaviour of beams, shafts and columns, instability of beams and columns.

2. 212822 Construction
Extension of: construction principles, techniques and documentation, site organisation, cost control from Architecture IB.

3. 212823 Environmental Technology
Solar radiation control in buildings, heat transfer, ventilation, equipment and services in building.

Text
Harknen, E. L. & Mehta, M. Popor, E. P.
Solar Radiation Control in Buildings (Applied Science)
Mechanics of Materials 2nd edn (Prentice-Hall)

212840 Architecture IIIC
Prerequisite Architecture IC
Corequisites Architecture IIA or IIB
Hours 4½ hours per week
Examination To be advised

Content
Lectures and projects related to the built environment and involving data and conceptual inputs from other subjects offered in the course

Texts
To be advised

219200 Elective II
(See Schedule of Subjects — Schedule B Elective Requirements)

213800 Architecture IIIA
Prerequisite Architecture IIA
Hours Approx. 4 hours per week
Examination To be advised

Content
1. 213801 Visual Studies
Extension of selected topics from Architecture IIA.

2. 213802 Data Processing
Statistics.

3. 213804 Man Environment Studies
Development of selected topics introduced in sociology, economics, history, political science and psychology, studies in architectural history and theory.

Text
Banham, R. Theory and Design in the First Machine Age (Praeger)

213820 Architecture IIIB
Prerequisite Architecture IIB
Hours Approx. 7 hours per week
Examination To be advised

Content
1. 213821 Structures
Dead, live and wind load on buildings, types of multi-storey frames and lateral bracing systems, floor slab systems, soil mechanics problems in foundations, earth retaining structures, prestressed concrete, structural brickwork, folded plate- and shell-structures.

2. 213822 Construction
Estimating, extension of, construction principles, techniques and documentation, site organisation, cost control from Architecture IIB.

3. 213825 Environmental Technology
Artificial and natural lighting, architectural acoustics, equipment and services in buildings.

Texts
Durrant, D. W. Interior Lighting Design (Lighting Industry Federation Ltd & Electricity Council)
Hodgkinson, A. (ed.) Precast Concrete — Recommended Practice (Concrete Institute of Aust.)
Parkin & Humphreys AS 1680–1976
Parkin & Humphreys Acoustics, Noise and Building
AS 1680–1976
Code of Practice for Interior Lighting and the Visual Environment (Standards Assn Australia)
213840 Architecture IIIC
Prerequisite  Architecture IIIC
Corequisites or Prerequisites  Architecture IIIA OR IIIB
Hours  4\frac{1}{2} hours per week
Examination  To be advised

Content
Lectures and projects related to the built environment and involving data and conceptual inputs from other subjects offered in the course.

219300 Elective III
(See Schedule of Subjects — Schedule B Elective Requirements)

214700 Architecture IVA
Prerequisites  Nil
Hours  3 hours per week
Examination  To be advised

Content
1. 214701 Professional Practice
Modes of practice, conditions of engagement, management functions, statutory requirements.
2. 214704 Management for the Architect
Case studies, formal organisation, managerial functions, operations research, decision making theory.
3. 214705 Law for the Architect

Texts  To be advised

214800 Architecture IVB
Prerequisites  Nil
Hours  Approx. 4 hours per week
Examination  To be advised

Content
1. 214801 Construction
Advanced building systems, case study analyses, system design studies.
2. 214802 Specifications
Legal significance, types and purpose, information sources, schedules, abstracts, specified bills of quantities, case studies.
3. 214803 Estimating
The standard mode of measurements, on-cost charges, awards, insurance, tax.

Texts  To be advised

214900 Architecture IVC
Prerequisites  Nil
Corequisites  Architecture IVA or IVB
Hours  4\frac{1}{2} hours per week
Examination  To be advised

Content
Lectures and projects related to the built environment and involving data and conceptual inputs from other subjects offered in this and the Bachelor of Science (Architecture) course.

Texts  To be advised

219400 Elective IV
(See Schedule of Subjects — Schedule D Elective Requirements)

215500 Architecture VA
Prerequisite  Architecture IVA
Hours  3 hours per week
Examination  To be advised

Content
1. 215501 Professional Practice
Cost control, engagement of consultants, documentation, interdisciplinary communications, insurances.
2. 215502 Management for the Architect
Extension of the following topics from Architecture IV: case studies, formal organisation, operations research, decision-making theory.
3. 215503 Law for the Architect
Arbitration, negligence, duties, liabilities, defamation, law of copyright, easement and analogous rights.

Text
R.I.B.A.  Plan of Work (RIBA)

215520 Architecture VB
Prerequisite  Architecture IVB
Examination
Content
Approx. 4 hours per week
1. 215521 Construction
Advanced building systems, case study analyses, system design studies.
2. 215522 Specifications
Extension of the following topics from Building IV: schedules, abstracts, specified bills of quantities, case studies.
3. 215523 Estimating
Variations, adjustments, bulked cost rates, cost comparisons, transportation, tenders.

Text
"An Analytical Approach to Construction Estimating" (N.S.W. U.P.)

215540 Architecture VC
Prerequisite Architecture IVC
Corequisites Architecture VA or VB
Hours 4½ hours per week
Examination To be advised

Content
Lectures and projects related to the built environment and involving data and conceptual inputs from other subjects offered in this and the Bachelor of Science (Architecture) course.

Texts
To be advised

219500 Elective V
(See Schedule of Subjects — Schedule D Elective Requirements)
The subjects selected should be written on the enrolment form in the following manner.

### B.ARCH.

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<th>Names of Components</th>
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**Electives Offered by the Department of Architecture**

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