

TITLE OF SCHEME OF STUDY: BSc in Architectural Studies  
 MODE OF STUDY: Full-time  
 TYPE: Single Honours  
 YEAR: Three

**STRUCTURE**

**ROUTE ONE:**

In the Autumn Term, Candidates shall be required to pursue:  
 All modules in Group One and Two.

In the Winter Term, Candidates shall be required to pursue:  
 All modules in Group One and Three.

**MODULES**

Module Code	Pre-requisite Module Code(s)	Pre-Assessment U: University C: College	Module Title	Term in which Module starts	Duration in Terms	Level of	Number Credits
<b>GROUP ONE</b>							
AR3001	C		Architectural Design 3	A	2	3	80
AR3002	C		Architectural Technology 3	A	2	3	20
<b>GROUP TWO</b>							
AR3003	C		Issues in Contemporary Architecture	A	1	3	10
<b>GROUP THREE</b>							
AR3004	C		Practice Management & Economics	W	1	3	10

**FOOTNOTES:**

Assessment: C = Contributes to final degree award DNC = Does NOT Contribute to final degree Award Term(s) = A = Autumn W = Winter S= Spring AS = Autumn and Spring A/S = Autumn or

Spring

O = Other

\*Some modules have special requirements (pre-requisites, co-requisites or pre-cursors). Full details of any such requisites can be obtained by reference to your departmental module description.

**SCHEDULE OF ASSESSMENT 2008/2009**  
**BSc Year Three (Full Time)**  
**MODULES**

Module Title: & Spring Terms	ARCHITECTURAL DESIGN 3	Autumn   Winter
Module Code:	AR3001	Level: 3
No. of Credits: double	80	Size of Module:
Method of Assessment:	100% Project Work NO marking by numbers	

Module Title: Winter Term	Architectural Technology 3	Autumn   &
Module Code:	AR3002	Level: 3
No. of Credits: double	20	Size of Module:
Method of Assessment:	40% Class Test 60% Coursework Marking by numbers in Class Test only	

Module Title:	Issues in Contemporary Architecture	Autumn Term
Module Code:	AR3003	Level: 3
No. of Credits: Single	10	Size of Module:
Method of Assessment:	100% coursework Marking by numbers	

Module Title:	Practice Management & Economics	Winter Term
Module Code:	AR3004	Level: 3
No. of Credits:	10	Size of Module: single
Method of Assessment:	100% class test (pre-release and open book) NO marking by numbers	

# MODULE DESCRIPTION

<b>Module Code:</b>	AR3003		
<b>Module Title:</b>	ARCHITECTURAL DESIGN 3		
<b>School Responsible:</b>	ARCHI		
<b>Module Tutor:</b>	Jacob Hotz		
<b>Number of Credits:</b>	80	<b>Level:</b>	3
<b>Term:</b>	Autumn, Winter & Spring	<b>Number of Semesters:</b>	3

<b>Prerequisite Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Precursor Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Co-Requisite Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Other Prerequisites:</b>	None
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Schemes of Study For Which This Module Is <i>Compulsory</i> :			Schemes of Study For Which This Module Is <i>Optional</i> :		
Title of Scheme:	JACS Code:	Years:	Title of Scheme:	JACS Code:	Years:
BSc in Architectural Studies		3			
<b>Module to be offered on a Free-Standing basis?</b>			No		
<b>Please identify any additional restrictions to Free-Standing status:</b>					

**AIMS OF THE MODULE:**

*(Aims define the broad purpose of the module)*

**To complete students' grounding in the disciplines of architectural design and give them an awareness of directions in contemporary architecture.**

**LEARNING OUTCOMES OF THE MODULE**

*(Learning outcomes are statements of what a typical student is expected to know, understand and be able to do.)*

***On completion of the module a student should be able to:***

For students to have acquired an understanding of, and be able to demonstrate skills in, the following aspects of architectural design:

- site planning in sensitive urban and/or rural locations for multi-storey and moderately complex buildings
- integrating appropriate building structure, construction, environment and services and spatial ordering into holistic design solutions
- applying a vocabulary of precedent and architectural ideas
- advanced architectural drawing and computer aided design
- visual and oral presentation
- disciplined essay writing

***Knowledge and Understanding:***

See above

***Intellectual Skills:***

See above

***Discipline Specific (including practical) Skills:***

See above

***Transferable Skills:***

See above

**METHODS OF TEACHING AND LEARNING:**

*(Include here a short overview of the learning and teaching methods employed in the module, demonstrating how these are appropriate for the curriculum content, aims and outcomes)*

The teaching method is 'learning-by-doing'. Design, following specific project briefs, is taught through iterative individual and group tutorials with key stage reviews. The activity of design involves the development of skills and understanding through an integration of the learning outcomes.

**ASSESSMENT:**

*(Description of how the assessment (both formative and summative) will enable a student to demonstrate achievement of the learning outcomes.)*

Successful design project work, well presented, will demonstrate clearly integrated resolution of the learning outcomes

**METHOD(S) OF SUMMATIVE ASSESSMENT:**

**Written Examination: Percentage Contribution to the Module Assessment:** 0 %

**Semester in which Written Examination is to be Scheduled :**

**Duration of Examination:** hrs

**In-course Assessment: Percentage Contribution to the Module Assessment:** 100 %

*May include:*

**Project Work:** 100

**Dissertation:**

**Laboratory Work:**

**Field Work:**

**Class Test:**

**Coursework:**  
(*e.g. one or more essay*)

**SYLLABUS CONTENT:**

Urban planning, contextual fit, massing of public buildings, landscaping and use of external spaces.

Structural and environmental considerations.

Spatial enclosure and subdivision, suspended floors and ceilings

Formulation and development of a building brief.

Moderately complex public cultural building types, precedent and current issues.

Analysis of site character

Planning clarity and user requirements.

Route, entry and domain both public and private.

Integration of technical and aesthetic strategies.

**INDICATIVE READING LIST: \*****CATALOGUE ENTRY:**

This module will complete the students' grounding in the discipline of architectural design and give them an awareness of directions in contemporary architecture. Assessment: project examination.



# MODULE DESCRIPTION

<b>Module Code:</b>	AR3002		
<b>Module Title:</b>	ARCHITECTURAL TECHNOLOGY 3		
<b>School Responsible:</b>	ARCHI		
<b>Module Tutor:</b>	Clarice Bleil de Souza		
<b>Number of Credits:</b>	20	<b>Level:</b>	3
<b>Term*:</b>	Autumn and Winter	<b>Number of Terms:</b>	2

<b>Prerequisite Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Precursor Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Co-Requisite Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Other Prerequisites:</b>	None
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Schemes of Study For Which This Module Is <i>Compulsory</i> :			Schemes of Study For Which This Module Is <i>Optional</i> :		
Title of Scheme:	JACS Code:	Years:	Title of Scheme:	JACS Code:	Years:
BSc Architectural Studies		3			
<b>Module to be offered on a Free-Standing basis?</b>			No		
<b>Please identify any additional restrictions to Free-Standing status:</b>					

**AIMS OF THE MODULE:**

*(Aims define the broad purpose of the module)*

To introduce students to the application of building technology to the design of medium rise skeletal complex buildings and complex internal systems

To extend the concepts of design for technical performance

To maintain the connections between design creativity and technique in architectural design

To facilitate further understanding of how to integrate technical requirements into designs

To introduce students to the management of the estate and its resources

To introduce students to the technology involved in the refurbishment, care and maintenance and conservation of existing buildings.

To be aware of the management of technology in the design office.

To consider current research issues in the built environment.

**LEARNING OUTCOMES OF THE MODULE**

*(Learning outcomes are statements of what a typical student is expected to know, understand and be able to do.)*

***On completion of the module a student should (be able to):***

***Knowledge and Understanding:***

- Know how to construction of medium rise skeletal buildings
- Know how building design affects occupant comfort and health
- Understand how to integrate building services into medium rise skeletal buildings
- Understand how building use patterns affect flexibility and adaptability
- Understand the impact of design decisions on sustainability
- Understand the technical parameters for the design of interiors of complex buildings
- Know about design office processes and means of communication
- Know about basic techniques for working with existing buildings

***Intellectual Skills:***

- have acquired a knowledge and understanding of appropriate design solutions for complex buildings which integrates the knowledge, understanding and skills they have developed over the 3 Building Technology modules.

***Discipline Specific (including practical) Skills:***

- apply this knowledge and understanding in their own designs.

***Transferable Skills:***

- an ability to solve design problems involving a number of sometimes conflicting variables
- an ability to integrate arts and science techniques to solve problems
- competence in a variety of computing packages
- ability to present information using a variety of visual methods
- ability to verbally present an argument in support of their designs
- ability to use library and other information sources to ascertain required information

**METHODS OF TEACHING AND LEARNING:**

*(Include here a short overview of the learning and teaching methods employed in the module, demonstrating how these are appropriate for the curriculum content, aims and outcomes)*

The module material will be delivered and reinforced through a series of techniques, including formal lectures, group design tutorials, computer-based analysis packages, technical requisites, and design performance assessment weeks.

Each of the delivery methods has been tailored specifically for each part of the course to maximise student learning within the resources available.

**ASSESSMENT:**

*(Description of how the assessment (both formative and summative) will enable a student to demonstrate achievement of the learning outcomes.)*

One of the primary aims of the module is to enable the students to apply the knowledge, skills and understanding gained in their Architectural designs. Therefore the overall ability of the students to synthesise the course into usable design information is tested and demonstrated in their concurrent Architectural Design 3 module.

This demonstration forms the Architectural Technology 3 module in-course assessment element, and is undertaken in such a manner that it integrates with the concurrent Architectural Design 3 module, such that both modules benefit from the synergies to be had.

The Class Test part of the assessment tests the student's ability to present a coherent written argument and response to a series of technically based questions.

**METHOD(S) OF SUMMATIVE ASSESSMENT:**

<b>Written Examination: Percentage Contribution to the Module Assessment:</b>		%
<b>Semester in which Written Examination is to be Scheduled :</b>		
<b>Duration of Examination:</b>		hrs
<b>In-course Assessment: Percentage Contribution to the Module Assessment:</b>	100	%
<b>Project Work:</b>		
<b>Dissertation:</b>		
<b>Laboratory Work:</b>		
<b>Field Work:</b>		
<b>Class Test:</b>	40% of the in-course assessment will be via a 3 hour Class Test	
<b>Coursework:</b> <i>(e.g. one or more essay)</i>	60% of the in-course assessment will be via design related course work	

**SYLLABUS CONTENT:**

To be confirmed at the start of the module

## INDICATIVE READING LIST AND REFERENCES:

### To be confirmed at the start of the module:

**Glass Construction Manual** – Birkhauser, Edition Detail >Lib.721.04496 G

**Steel Construction Manual** – Birkhauser, Edition Detail > Lib.693.71 S

**Concrete Construction Manual** – Birkhauser, Edition Detail > Lib.691.3C

**Timber Construction Manual** – Birkhauser, Edition Detail > Lib.691.1 H

**Dean Y and Rich P** - Principles of Element Design, 3rd Edition. Architectural Press, London 1999

**Goulding J, Owen Lewis J, Steemers T, eds** - Energy Conscious Design, a primer for architects. Batsford, London 1992

**Brookes A** – The Building Envelope, Butterworths, London 1992

**Grech C, Brookes A** – Cladding of Buildings, Construction Press

**Goulding J, Owen Lewis J, Steemers T, eds** - Energy in Architecture. Batsford, London 1993

**Kenneth F** – Studies in Tectonic Culture, the poetic of construction in nineteenth and twentieth century architecture. MIT Press 1996 (Reprint 2001)

**Randall T (Editor)** - Sustainable Urban Design, an environmental approach. Spoon Press, London and New York 2003

**Neufert P**, -Neufert Architects'Data- Third Edition by Blackwell Science Ltd. Oxford 2000

**Adler D**, -Metric Handbook - Second Edition by Oxford Architectural Press 1999

Useful references from previous modules

**Stroud Foster J** – Structure and fabric part 2, Mitchells Buildings Series. Longman Harlow 1994

**Everett A** - Materials, Mitchells Buildings Series. Longman Harlow 1994

**Dean Y** - Finishes, Mitchells Buildings Series. Longman Harlow 1994

**Burberry P** – Environment and Services, Mitchells Buildings Series. Longman Harlow 1992

## CATALOGUE ENTRY:

## MODULE DESCRIPTION

<b>Module Code:</b>	<b>AR3003 (for Archi Students) AR3203 (for ENGIN students)</b>		
<b>Module Title:</b>	ISSUES IN CONTEMPORARY ARCHITECTURE		
<b>School Responsible:</b>	ARCHI		
<b>Module Tutor:</b>	<b>Dr Adam Hardy</b>		
<b>Number of Credits:</b>	10	<b>Level:</b>	3
<b>Term</b>	Autumn	<b>Number of terms</b>	1

<b>Prerequisite Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Precursor Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Co-Requisite Modules:</b>	<b>Code:</b>	<b>Title:</b>
None		

<b>Other Prerequisites:</b>	None
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Schemes of Study For Which This Module Is <i>Compulsory</i> :			Schemes of Study For Which This Module Is <i>Optional</i> :		
Title of Scheme:	JACS Code:	Years:	Title of Scheme:	JACS Code:	Years:
BSc in Architectural Studies		3			
<b>Module to be offered on a Free-Standing basis?</b> Please identify any additional restrictions to Free-Standing status:			Yes (ENGIN only)		

**AIMS OF THE MODULE:**

*(Aims define the broad purpose of the module)*

- To explore issues in contemporary architectural theory by relating them to architectural practice
- To test the relevance of theoretical issues to architectural practice using case-studies of particular buildings and projects
- To enable students to understand their own design ideas in the context of issues from contemporary theory and practice
- To encourage self-led research into contemporary architectural practice and theory

**LEARNING OUTCOMES OF THE MODULE**

*(Learning outcomes are statements of what a typical student is expected to know, understand and be able to do.)*

**On completion of the module:**

A student should have acquired a knowledge and understanding of:

- a series of issues relating contemporary architectural theory with practice
- the ideas of a number of architects and theorists
- relationships between their own design ideas and those of other architectural practitioners and theorists

**METHODS OF TEACHING AND LEARNING:**

*(Include here a short overview of the learning and teaching methods employed in the module, demonstrating how these are appropriate for the curriculum content, aims and outcomes)*

Lectures, essay seminars and directed private study.

**ASSESSMENT:**

*(Description of how the assessment (both formative and summative) will enable a student to demonstrate achievement of the learning outcomes.)*

Guided and self-selected 'long essay' + presentation and weekly assignments

**METHOD(S) OF SUMMATIVE ASSESSMENT:**

<b>Written Examination: Percentage Contribution to the Module Assessment:</b>	0	%
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**Semester in which Written Examination is to be Scheduled :**

**Duration of Examination:**

<b>In-course Assessment: Percentage Contribution to the Module Assessment:</b>	100	%
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*May include:*

<b>Lecture Presentation:</b>	10%
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**Dissertation:**

**Laboratory Work:**

**Field Work:**

**Class Test:**

<b>Coursework:</b>	15% weekly assignments
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*(e.g. one or more essay)*

75% of the in-course assessment will be via a guided, self-selected 'long essay'

**SYLLABUS CONTENT:**

Each session will involve: a lecture concerning a theoretical issue; student presentations of particular architectural case-studies related to that issue; a further presentation, either an exploration of further case studies or a significant contemporary practitioner speaking about their own work; and a discussion.

Assessment will be a guided, self-selected 'long essay' plus a lecture presentation.

**INDICATIVE READING LIST:**

Please refer to the module handout.

**CATALOGUE ENTRY:**

This module will enable students to gain knowledge of issues in architectural theory, test their relevance to architectural practice using case-studies of particular buildings and projects, and relate them to their own design ideas. Assessment: 'long essay' and presentation.



**AIMS OF THE MODULE:**

*(Aims define the broad purpose of the module)*

To adopt a product-centred view of the subject.

- To contribute to understanding of design, by introducing some determinants of built form.
- **To prepare for Education in Practice year by introducing aspects of the structure and operation of building industry and allied professions, with particular reference to U.K. architectural practice.**

**LEARNING OUTCOMES OF THE MODULE**

*(Learning outcomes are statements of what a typical student is expected to know, understand and be able to do.)*

***On completion of the module a student should be able to:***

Understand the principles of :

***Knowledge and Understanding:***

- economic consequences of design decisions
- rational allocation of resources in building
- means of production of buildings
- building and development control
- professional and legal aspects of design.

***Intellectual Skills:***

*See above*

***Discipline Specific (including practical) Skills:***

*See above*

***Transferable Skills:***

*See above*

**METHODS OF TEACHING AND LEARNING:**

*(Include here a short overview of the learning and teaching methods employed in the module, demonstrating how these are appropriate for the curriculum content, aims and outcomes)*

Lectures accompanied by related short exercises carried out in students' own time. Delivery synchronised with major design project.

**ASSESSMENT:**

*(Description of how the assessment (both formative and summative) will enable a student to demonstrate achievement of the learning outcomes.)*

The module will be assessed by a three-hour, open-book, pre-released class test. The paper will consist of two equal parts; students will be asked to answer two questions from a choice of four in each section.

**METHOD(S) OF SUMMATIVE ASSESSMENT:**

<b>Written Examination: Percentage Contribution to the Module Assessment:</b>		%
<b>Semester in which Written Examination is to be Scheduled :</b>		
<b>Duration of Examination:</b>		hrs
<b>In-course Assessment: Percentage Contribution to the Module Assessment:</b>	100	%
<i>May include:</i>		
<b>Project Work:</b>		
<b>Dissertation:</b>		
<b>Laboratory Work:</b>		
<b>Field Work:</b>		
<b>Class Test:</b>	100%	
<b>Coursework:</b> ( <i>e.g. one or more essay</i> )		

**SYLLABUS CONTENT:**

The module will be structured around the following inter-related lectures:

Economic Consequences of Design Decisions

Value and demand; funding and feasibility; design economics; building costs; life cycle costs; estates strategy

Means of Building Production

Structure, operation and political economy of the building industry

Legal Controls affecting Development & Design

Land law, including boundaries, easements, property and premises; the law of tort including nuisance and negligence; building and development control legislation

The Architect's Responsibilities in the Design Process

Professionalism & negligence; design liability and briefing; introduction to procurement

**INDICATIVE READING LIST: \***

Ferry, D and Brandon, P. Cost Planning of Buildings 1999

Galbrath, A. and Stockdale, M. Building and Land Management Law for Students. 1998

**CATALOGUE ENTRY:**

Introduces economic and legal influences on built form, together with elements of structure and procedures of the building industry and architecture practice.

Assessment: Three hour written class test (pre-release and open book)

