

Liverpool John Moores University

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Title: ARCHITECTURAL DESIGN (6)
Status: Definitive
Code: **7051AR** (109689)
Version Start Date: 01-08-2011

Owning School/Faculty: Liverpool School of Art & Design
Teaching School/Faculty: Liverpool School of Art & Design

Team	Leader
Ian Wroot	Y

Academic Level: FHEQ7
Credit Value: 60.00
Total Delivered Hours: 8.00
Total Learning Hours: 600
Private Study: 592

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	8.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Artefacts	AS1	Submission of coursework as defined in White Book	30.0	
Artefacts	AS3		30.0	
Artefacts	AS2		40.0	

Aims

The Diploma in Architecture is not part of the University Modular Framework (UMF) scheme.

This module proforma has been created for administrative/reporting purposes only. The Diploma in Architecture is a professional qualification validated by RIBA and ARB. The single source of course information is the 'White Book' – an Academic

Guide produced by the LJMU Architecture Department and available to download as a PDF file at:-
<http://www.staff.livjm.ac.uk/lisaiwroo/>

Learning Outcomes

After completing the module the student should be able to:

- 1 1 Develop the given design brief for a building of modest size, but of substantial complexity.
- 10 Demonstrate presentation skill
- 2 Demonstrate knowledge of, and skills in various urban context analysis processes and techniques
- 3 Design an approach to the building's site context
- 4 Determine an ecological and sustainability strategy appropriate to the building type using international best practice
- 5 Determine the optimal orientation for the building on the site from a solar energy point of view, and other sustainability measures consistent with the urban context
- 6 Demonstrate an ability to clearly programme the time available in order that each stage of design is given ample time to arrive at a completed project design
- 7 Prepare a 'Scheme Design' for the building as understood in the RIBA's 'Plan of Work'
- 8 Establish the technical and general cost parameters for the building
- 9 Establish structural order and a constructional palette with a keen eye on the 'flow of materials' aspects of sustainable design

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Report	2	3	4	5	6	8	10		
Presentation	1	6	7	10					
Presentation	1	3	4	5	6	7	8	9	10

Outline Syllabus

This module will comprise three 4-week-long design exercises for different building types and sites and a period to consolidate the Portfolio.

The Design Studies 'Research Strand Options' for 2010-2011 are as follows:

Research Strand One – Healthcare

Research Strand Two – Education

Research Strand Three - Dwelling

Each Research Strand Option will be explored through three consecutive four week Design Projects. In terms of backup to these Design projects, three Design, Technology and Practice, lectures/seminars will deal with three main issues relating

to each building type. Sessions may concentrate on recent advances in the 'Theory and Practice of Environmental Engineering' and will introduce in detail examples of built innovations in ecological and sustainable design. Others may concentrate on 'Current Advances in Structural Design and Materials Use' and will deal with the issues of sustainability and the ecological implications of materials utilisation (material flows). Staff will also deliver illustrated seminars on relevant buildings of excellence. Where relevant, accent will be placed on 'Design Alternatives' for the specific building types being studied and 'Alternative Sustainable Energy Strategies' for the specific building types being studied, in order to encourage students to seek conceptual alternatives from which optimal strategies will emerge.

Learning Activities

No specific work items are required following each seminar, however appropriate knowledge should be applied to each 'Design Project'.

For each of the three projects, a site context model, an architectural concept model, appropriate sketches and presentation drawings and an A4 sized 'Scheme Description' are required. This part of the module will fully utilise the Sketchbook, the CAD workshop and the model-making workshop. The Technological and Environmental aspects of these design projects will be assessed in the related Technical & Environmental Design Studies (1) module.

References

Course Material	Book
Author	
Publishing Year	2005
Title	Atlas of Contemporary Architecture
Subtitle	
Edition	
Publisher	Phaidon, London
ISBN	

Course Material	Book
Author	Benevolo, L
Publishing Year	1971
Title	A History of the Modern Movement
Subtitle	
Edition	
Publisher	Thames and Hudson, London
ISBN	

Course Material	Book
Author	Duffy, F., Laing, A. and Crisp, V

Publishing Year	1993
Title	The Responsible Workplace
Subtitle	
Edition	
Publisher	Butterworth Press, Oxford
ISBN	

Course Material	Book
Author	Frampton, K
Publishing Year	1980
Title	Modern Architecture
Subtitle	
Edition	
Publisher	Thames and Hudson, London
ISBN	

Course Material	Book
Author	Hughes, Q
Publishing Year	1964
Title	Seaport
Subtitle	Architecture and Townscape in Liverpool
Edition	
Publisher	Lund Humphries, Surrey
ISBN	

Course Material	Book
Author	Lefebvre, H
Publishing Year	1991
Title	The Production of Space
Subtitle	
Edition	
Publisher	Blackwell, Oxford
ISBN	

Course Material	Book
Author	Libeskind, D
Publishing Year	1999
Title	Between the Lines
Subtitle	
Edition	
Publisher	Prestel, London
ISBN	

Course Material	Book
Author	Noever, P
Publishing Year	1991
Title	Architecture in Transition

Subtitle	Between Deconstruction and New Modernism
Edition	
Publisher	Prestel, London
ISBN	

Course Material	Book
Author	Ockman, J
Publishing Year	1991
Title	Architecture Culture 1940 - 1970
Subtitle	
Edition	
Publisher	MIT Press, Massachusetts
ISBN	

Course Material	Book
Author	Risebero, B
Publishing Year	1992
Title	Fantastic Form
Subtitle	(Ch.8)
Edition	
Publisher	Herbert Press, London
ISBN	

Course Material	Book
Author	Rowe, C and Koetter, F
Publishing Year	1978
Title	Collage City
Subtitle	
Edition	
Publisher	MIT Press, Massachusetts
ISBN	

Course Material	Book
Author	Summerson, J
Publishing Year	1983
Title	The Classical Language of Architecture
Subtitle	
Edition	
Publisher	Thames and Hudson, London
ISBN	

Course Material	Book
Author	Wrede, S
Publishing Year	1980
Title	The Architecture of E G Asplund
Subtitle	
Edition	

Publisher	MIT Press, Massachusetts
ISBN	

Course Material	Book
Author	Leach, N (ed)
Publishing Year	1980
Title	Rethinking Architecture
Subtitle	
Edition	
Publisher	Routledge, London
ISBN	

Course Material	Book
Author	Nesbitt, K (ed)
Publishing Year	1980
Title	Theorising a New Agenda for Architecture
Subtitle	
Edition	
Publisher	Princeton University Press, New Jersey
ISBN	

Course Material	Book
Author	Knight, C R
Publishing Year	
Title	Architecture and Order
Subtitle	Approaches to Solid Space
Edition	
Publisher	Routledge, London
ISBN	

Notes

To be confirmed by the module leader