Liverpool John Moores University

Title:	TECHNOLOGY AND PRACTICE (2)
Status:	Definitive
Code:	**4046AR** (109663)
Version Start Date:	01-08-2011
Owning School/Faculty:	Liverpool School of Art & Design
Teaching School/Faculty:	Liverpool School of Art & Design

Team	Leader
Clare Wrigley	Y

Academic Level:	FHEQ4	**Credit Value:**	12.00	**Total Delivered Hours:**	29.00
Total Learning Hours:	120	**Private Study:**	91		

Delivery Options
Course typically offered: Semester 2

Component	Contact Hours
Lecture	21.000
Seminar	4.000
Tutorial	4.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	by submission of coursework	100.0	

Aims

To give students an understanding of the principles of technology and practice and their integration with architectural design.

Learning Outcomes

After completing the module the student should be able to:

1 Demonstrate knowledge of the formative effects of technology and practice on architectural design related to Level One design projects.
2 Demonstrate knowledge of the most widely used methods of frame construction for domestic scale and larger buildings in the UK.
3 Produce a piece of considered design coursework where the appropriate technological considerations have been considered by the student in depth under the guidance of design and technology tutors.

Learning Outcomes of Assessments

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

ESSAY 1 2 3

Outline Syllabus

Lectures cover the following areas:
·environmental design issues including heating, lighting and ventilation.
·building construction technology and practice introducing the most widely used methods of frame construction for domestic scale and larger buildings in the UK.
·the story of a building through its design and construction phases.
Two half-day seminar/workshops, constituting a hands-on physical exploration of the knowledge gained in the first and second semesters through the production environmental studies relating directly to their design module projects.

Learning Activities

COURSEWORK: Lectures, Seminars and Tutorials.
Coursework addresses all learning outcomes via a timed construction drawing test and submission of project work.

References

Course Material	Book
Author	CLARK, R.P.
Publishing Year	1985
Title	Man and his thermal environment
Subtitle	
Edition	
Publisher	London : Edward Arnold
ISBN	

Course Material	Book
Author	GIVONI, B.
Publishing Year	1976

Title	Man, climate and architecture
Subtitle	
Edition	
Publisher	Van Nostrand Reinhold
ISBN	

Course Material	Book
Author	GORDON, J.E.
Publishing Year	1976
Title	New science of strong materials : or why you don't fall through the floor
Subtitle	
Edition	
Publisher	Penguin
ISBN	

Course Material	Book
Author	HOLGATE, A.
Publishing Year	1986
Title	The art in structural design : an introduction and sourcebook
Subtitle	
Edition	
Publisher	Oxford : Clarendon
ISBN	

Course Material	Book
Author	MORGAN, W.
Publishing Year	1978
Title	The elements of structure : an introduction to the principles of building and structural engineering
Subtitle	
Edition	
Publisher	Pitman
ISBN	

Course Material	Book
Author	PRITCHARD, D.C.
Publishing Year	1969
Title	Lighting
Subtitle	
Edition	
Publisher	Longman
ISBN	

Course Material	Book
Author	FOSTER, J.S.

Publishing Year	2000
Title	Structure and fabric : Part 1 / Harlow
Subtitle	
Edition	
Publisher	Longman Scientific & Technical
ISBN	

Course Material	Book
Author	FOSTER, J.S.
Publishing Year	2000
Title	Structure and fabric : Part 2 / Harlow
Subtitle	
Edition	
Publisher	Longman
ISBN	

Notes

A course of lectures, based on case studies, illustrate architectural practice, structural stability, durability and environmental control to a level appropriate for entry into level 2.
Two intensive half-day seminar/workshops, constituting a hands-on physical exploration of the knowledge gained in the design studio relating directly to the concurrent design projects.