## **Liverpool** John Moores University

Title: TECHNOLOGY AND PRACTICE (4)

Status: Definitive

Code: **5046AR** (109678)

Version Start Date: 01-08-2011

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

Team	emplid	Leader
Clare Wrigley		Υ

Academic Credit Total

Level: FHEQ5 Value: 12.00 Delivered 34.00

86

Hours:

Total Private Learning 120 Study:

**Hours:** 

**Delivery Options** 

Course typically offered: Semester 2

Component	Contact Hours	
Lecture	22.000	
Tutorial	12.000	

**Grading Basis:** 40 %

### **Assessment Details**

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

#### Aims

To develop the students' understanding of the technological realisation of buildings which are set in a city street context.

## **Learning Outcomes**

After completing the module the student should be able to:

1 Demonstrate a detailed knowledge of various issues involved in the 'finishing' of

- non-domestic buildings.
- 2 Understand the structural processes taking place within the vertical support elements of their buildings.
- 3 Know how to design the structure and enclosing skin appropriate to large building.
- Demonstrate an understanding of the energy control issues involves in large building design.
- Demonstrate a basic understanding of professional practice procedures and legal matters involved in the procurement of large buildings.

## **Learning Outcomes of Assessments**

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

ESSAY

1 2 3 4 5

## **Outline Syllabus**

- 5 lectures on environmental issues relating to the installation of piped and cabled supplies for non-domestic buildings.
- 5 lectures on finishes and building fabric sundries that complete a building.
- 4 lectures on the detailed design of structural elements in brick, concrete and steel.
- 8 lectures on Professional Studies including practice procedures and legal responsibilities.

# **Learning Activities**

Lectures and studio seminars.

Coursework addresses all learning outcomes via a timed Construction Drawing Test (2 hours), a written Practice Test, and production of a Technology Report.

#### References

Course Material	Book
Author	BROOKES, A.J
Publishing Year	1992
Title	Connections: studies in building assembly
Subtitle	
Edition	
Publisher	Butterworth
ISBN	

Course Material	Book
Author	HALL, F.
Publishing Year	1995
Title	Essential building services and equipment

Subtitle	
Edition	
Publisher	Newnes
ISBN	

Course Material	Book
Author	GAULD, BRYAN J.B
Publishing Year	1984
Title	Structures for architects
Subtitle	
Edition	
Publisher	London : Godwin
ISBN	

Course Material	Book
Author	MORGAN, W
Publishing Year	1996
Title	Structural mechanics
Subtitle	
Edition	
Publisher	Longman
ISBN	

Course Material	Book
Author	HODGKINSON, A.
Publishing Year	1986
Title	Foundation design
Subtitle	
Edition	
Publisher	London : Architectural Press
ISBN	

Course Material	Book
Author	HOLDSWORTH, B
Publishing Year	1992
Title	Healthy buildings: a design primer for a living
	environment
Subtitle	
Edition	
Publisher	Longman
ISBN	

Course Material	Book
Author	SUNLEY, J.
Publishing Year	1985
Title	Timber in construction
Subtitle	

Edition	
Publisher	Batsford/Trada
ISBN	

Course Material	Book
Author	GREENSTREET, B
Publishing Year	2003
Title	Legal and contractual procedures for architects
Subtitle	
Edition	
Publisher	London : Architectural Press
ISBN	

Course Material	Book
Author	SHARP, D
Publishing Year	1986
Title	The business of architectural practice
Subtitle	
Edition	
Publisher	London : Collins Professional and Technical
ISBN	

Course Material	Book
Author	ARCHITECTS LEGAL HANDBOOK
Publishing Year	2004
Title	the law for architects
Subtitle	
Edition	
Publisher	Oxford : Architectural
ISBN	

### **Notes**

Assessment is by means of a technical report relating directly to their design projects and a separate timed construction drawing test (2 hours).

Further 8 one-hour lectures on Professional Studies are part of a series given over the last 3 semesters of the degree programme aimed at preparing the students for the professional world and assessed via a separate written test.