

Liverpool John Moores University

Title: DESIGN PROCEDURES
Status: Definitive
Code: **5008BEHN** (102308)
Version Start Date: 01-08-2011

Owning School/Faculty: Built Environment
Teaching School/Faculty: Built Environment

Team	Leader
Patrick Dunlea-Jones	Y

Academic Level: FHEQ5
Credit Value: 12.00
Total Delivered Hours: 36.00
Total Learning Hours: 120
Private Study: 84

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	24.000
Seminar	12.000

Grading Basis: BTEC

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	assignment 1	50.0	
Report	AS2	assignment 2	50.0	

Aims

*To critically examine current design issues in Architectural/Surveying practices and to identify design principles, technologies, processes and procedures.
Examine roles and responsibilities of members of the design and construction team.
Outline the application of the RIBA plan of work and selection of procurement systems.
Evaluate the use of co-ordinated project information systems in construction contracts.
Assess the application of quality assurance together with the requirements for*

inspection and certification of work.

Examine areas where construction disputes occur and methods for their resolution.

Outline the different types of contract programmes, expenditure forecasts, appraisal systems and application of network analysis.

Identify factors bringing about change in the construction industry and their impact.

Learning Outcomes

After completing the module the student should be able to:

- 1 Evaluate current design issues in Architectural practice and identify design principles, technologies, processes and procedures.
- 2 Evaluate the roles and responsibilities of members of the design and construction team.
- 3 Outline the application of the RIBA plan of work to the design and construction process and selection of procurement systems.
- 4 Evaluate the application of co-ordinated project information systems to the design process and implications for contract document format and organization.
- 5 Assess the application of quality assurance together with the requirements for inspection and certification of work.
- 6 Examine areas where construction disputes occur, approaches to their resolution and production of claims reports.
- 7 Outline the different forms of contract programmes, expenditure forecasts, progress appraisal systems and application of network analysis.
- 8 Identify the factors bringing about change in the construction industry and their impact.

Learning Outcomes of Assessments

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

CW	1	2	5	6
CW	3	4	7	8

Outline Syllabus

Current debates in architecture, design principles, technologies available together with processes and procedures.

Roles and responsibilities of members of the design and construction team.

Implications of the RIBA work stage on project organization and selection procurement systems.

Co-ordinated project information, contract document format and organisation.

Quality assurance requirements together with the requirements for inspection and certification of work.

Construction disputes, their resolution and claims reports.

Contract programmes, expenditure forecasts, progress appraisal systems and network analysis.

Factors bringing about change in the construction industry and their impact.

Learning Activities

Lectures, seminars and essays.

References

Course Material	Book
Author	Cox & Hamilton
Publishing Year	1998
Title	Architects Book of Practice Management
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Broadbent, G.
Publishing Year	1995
Title	Emerging Concepts in Urban Design
Subtitle	
Edition	
Publisher	Van Nostrand Reinhold
ISBN	

Course Material	Book
Author	Cox, S. & Clamp, H.
Publishing Year	2003
Title	Which Contract
Subtitle	
Edition	
Publisher	RIBA Enterprises
ISBN	

Course Material	Book
Author	Edwards, B.
Publishing Year	1999
Title	Sustainable Architecture : European Design
Subtitle	
Edition	2nd
Publisher	Architectural Press
ISBN	

Course Material	Book
Author	Murray, M. & Langford, D.
Publishing Year	2004
Title	Architect's Handbook of Construction Project Management
Subtitle	
Edition	
Publisher	RIBA Enterprises
ISBN	

Notes

The module examines design principles and contemporary debates in architectural design together with the technologies, processes and procedures involved. The roles and responsibilities of the technologist in the design and management phases of the contract process are examined and the implications of the RIBA plan of work is explored.