

Liverpool John Moores University

Title: Site, Material & Construction
Status: Definitive
Code: **4005SD** (119295)
Version Start Date: 01-08-2012

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

Team	Leader
Jon Spruce	Y

Academic Level: FHEQ4
Credit Value: 24.00
Total Delivered Hours: 90.00
Total Learning Hours: 240
Private Study: 150

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	6.000
Off Site	6.000
Practical	42.000
Seminar	4.000
Tutorial	2.000
Workshop	30.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1		30.0	
Artefacts	AS2		70.0	

Aims

This module aims to introduce the analysis of buildings, construction methods and spatial planning, developing student understanding of environmental impacts relative to materials and process choice. Visualisation skills will be developed using a range of media and techniques, including graphical layout and typography.

Learning Outcomes

After completing the module the student should be able to:

- 1 1. Demonstrate the ability to analyse, measure and record a given site or building construction.
- 2 2. Demonstrate an awareness of environmental impacts relative to materials and process choice through the generation of design solutions.
- 3 3. Explore and utilise range of media in the communication of design ideas including graphical layout and use of typography.
- 4 4. Demonstrate an awareness of spatial planning considerations and utilise this within the production of design proposals.

Learning Outcomes of Assessments

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

Technical data report	1		
Design project	2	3	4

Outline Syllabus

Site analysis (measuring and recording data)

Materials and construction techniques

Environmental factors (impact of material and construction choices)

Drawing conventions

Conversion of measurements to CAD data

Introduction to spatial planning and relevant building regulations

2 Dimensional visualisation and presentation techniques

Learning Activities

Spatial Design practice is constantly influenced by existing and new technologies of construction, materials and regulatory issues. In this module students will gain insight into such influences, exploring challenging and exciting ways of utilising appropriate developments. The module builds students awareness of architectural technologies in current practice and an understanding of the processes involved in design development and production. The ways that these influences contribute to creative and imaginative design outcomes is explored through design project work.

References

Course Material	Book
Author	Duffy, F

Publishing Year	1997
Title	The New Office
Subtitle	
Edition	London, Conran Octopus
Publisher	
ISBN	

Course Material	Book
Author	Henderson, J
Publishing Year	1998
Title	Workplaces and Workspaces: Office designs that work
Subtitle	
Edition	Gloucester, Mass: Rockport
Publisher	
ISBN	

Course Material	Book
Author	Kubba, S
Publishing Year	2003
Title	Space planning for commercial and residential interiors
Subtitle	
Edition	New York: McGraw-Hill
Publisher	
ISBN	

Course Material	Book
Author	Marmot, A & Eley, J
Publishing Year	2000
Title	Office Space Planning: Designing Tomorrow's Workspace
Subtitle	
Edition	New York: McGraw-Hill
Publisher	
ISBN	

Course Material	Book
Author	Congdon, R T
Publishing Year	2010
Title	Architectural Model Building: Tools, Techniques and Materials
Subtitle	
Edition	London: RIBA
Publisher	
ISBN	

Course Material	Book
Author	Farrelly, L
Publishing Year	2008

Title	Representational Techniques
Subtitle	
Edition	Lausanne: AVA Publishing
Publisher	
ISBN	

Course Material	Book
Author	Fiorello, J A
Publishing Year	2010
Title	CAD for Interiors: Beyond the Basics
Subtitle	
Edition	London: Wiley
Publisher	
ISBN	

Course Material	Book
Author	Milton, M
Publishing Year	1999
Title	Interior Design Visual Presentation: A Guide to Graphic Models and Presentation
Subtitle	
Edition	New York: John Willey & Sons
Publisher	
ISBN	

Notes

This module will utilise the analysis and development of existing external sites as a vehicle for student learning.