

Liverpool John Moores University

Title: CONSTRUCTION TECHNOLOGY AND REFURBISHMENT PROJECT
Status: Definitive
Code: **6510BEDA** (118743)
Version Start Date: 01-08-2011

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

Team	Leader
Laurence Brady	Y
Larry Wilkinson	
Wilfred Matipa	

Academic Level: FHEQ6 **Credit Value:** 24.00 **Total Delivered Hours:** 25.00
Total Learning Hours: 240 **Private Study:** 215

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Online	24.000
Seminar	1.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1		50.0	
Portfolio	AS2		50.0	

Aims

To enable the student to work on realistic projects that enables the integration and development of a range of professional skills in the context of sustainable construction.

Learning Outcomes

After completing the module the student should be able to:

- 1 Produce a range of project documentation to a professional standard.
- 2 Evaluate their role as a construction professional in a group project.
- 3 Work effectively as a team member and demonstrate team working and presentation skills.
- 4 Evaluate alternative technological solutions with regard to the problems recognised in a survey or through the briefing.
- 5 Apply construction management and technology solutions to a refurbishment project.
These include health and safety, specification, sequencing of construction works, contractual issues, programming and costing.
- 6 Present an overview of the project brief to a familiar audience.

Learning Outcomes of Assessments

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

JOINT PROJECT	1	2	3	4
REFURBISHMENT PROJECT	5	6		

Outline Syllabus

Note: there are 2 forms of assessment for this module. A group based joint project conducted in a 2 week block period and a group project in the context of refurbishment.

Sustainability, BREEAM, Renewable energy technologies, sustainable building design, sustainable building materials, Building Regulations, commerciality of proposals, costings, added value, project brief development, energy assessment, project management, programming

Learning Activities

Lectures, Tutorials, Joint Project, Group Presentations

References

Course Material	Book
Author	R McCaffer
Publishing Year	2006
Title	Modern Construction Management
Subtitle	
Edition	

Publisher	Blackwell
ISBN	9781405133258

Course Material	Reports
Author	CIBSE
Publishing Year	2003
Title	Energy Efficiency in Buildings
Subtitle	
Edition	
Publisher	CIBSE
ISBN	1903287731

Course Material	Reports
Author	CIBSE
Publishing Year	2006
Title	Renewable Energy Sources for Buildings
Subtitle	
Edition	
Publisher	CIBSE
ISBN	1903287731

Course Material	Reports
Author	CIBSE
Publishing Year	2010
Title	Fire Safety Engineering
Subtitle	
Edition	
Publisher	CIBSE
ISBN	9781906846138

Course Material	Book
Author	CIOB
Publishing Year	2010
Title	Code of Practice for Project Management
Subtitle	
Edition	
Publisher	CIOB
ISBN	9781405194204

Course Material	Book
Author	George Baird
Publishing Year	2010
Title	Sustainable Buildings in Practice
Subtitle	
Edition	
Publisher	Routledge
ISBN	9780415399326

Notes

This module allows the student to work as a team on 'real life' projects and to apply the knowledge they have gained throughout their studies to these projects.