

Liverpool John Moores University

Title: CONSTRUCTION TECHNOLOGY REFURBISHMENT PROJECT
Status: Definitive
Code: **6500BEUG** (116690)
Version Start Date: 01-08-2011

Owning School/Faculty: Built Environment
Teaching School/Faculty: South Cheshire College

Team	Leader
Lynne Bell	Y

Academic Level: FHEQ6 **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	12.000
Tutorial	18.000
Workshop	60.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Technology	AS2	Group Presentation	80.0	
Presentation	AS1	group based project on refurbishment scheme.	20.0	

Aims

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

Learning Outcomes

After completing the module the student should be able to:

- 1 Produce a range of project documentation to a professional standard.
- 2 Examine, survey and evaluate the condition and performance of an existing building.
- 3 Evaluate alternative technological solutions with regard to the problems recognized in the survey/examination
- 4 Apply construction management and technology solutions to a refurbishment project. These include health and safety, specification, sequencing of construction works,
- 5 Produce a working project document as part of a team.
- 6 Present an overview of the project brief to a familiar audience.
- 7 Work effectively as a team member and demonstrate team working and presentation skills.

Learning Outcomes of Assessments

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

TECHNOLOGICAL TASK PRESENTATION	1	2	3	4	5	7
	6					

Outline Syllabus

Building refurbishment schemes, appraisal of options, 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	Harris, F. & McCaffer, R.
Publishing Year	2006
Title	Modern Construction Management
Subtitle	
Edition	6th Edition
Publisher	Blackwell Science.
ISBN	9781405133258

Course Material	Book
Author	CIBSE
Publishing Year	2006
Title	Energy Efficiency in Buildings
Subtitle	CIBSE Guide F
Edition	
Publisher	CIBSE
ISBN	1903287340

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

Course Material	Book
Author	CIBSE
Publishing Year	2010
Title	Renewable Energy Sources for Buildings
Subtitle	CIBSE Guide E
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	Baird, G. (2010)
Publishing Year	2010
Title	Sustainable Buildings in Practice
Subtitle	
Edition	
Publisher	Routledge.
ISBN	9780415399326.

Notes

This module enables the student to consider sustainable building issues in the context of realistic projects.