

Liverpool John Moores University

Title: SUSTAINABLE BUILDINGS PROJECT
Status: Definitive
Code: **6525BEDA** (118740)
Version Start Date: 01-08-2011

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

Team	Leader
Russell Bennett	Y
Matthew Tucker	

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
Report	AS1		0.0	
Portfolio	AS2		100.0	

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 building design.

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 your role as building surveyor in a group project.
- 3 Work effectively as a team member and demonstrate team working and presentation skills.
- 4 Reflect and evaluate on your own core, technical and professional skills.
- 5 Evaluate and justify a project proposal in relation to the concept of sustainability.
- 6 Conduct case study research support and evaluate design proposals.
- 7 Produce and critically review a final design proposal in the context of sustainable development.
- 8 Use an appropriate methodology for determining the actual energy performance of the proposals and the buildings overall commercial viability.

Learning Outcomes of Assessments

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

JOINT PROJECT	1	2	3	4
SUSTAINABLE BUILDING PROJECT	5	6	7	8

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 an individual project in the context of sustainability.

Sustainability, BREEAM, Renewable energy technologies, sustainable building design, sustainable building materials, SAP2009 calculations, SBEM, commerciality of proposals, costings, added value, project brief development, sustainable buildings case studies, energy assessment.

Learning Activities

Lectures, Tutorials, Joint Project including group presentations, individual personal development planning.

References

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

Publisher	Routledge
ISBN	9780415399326

Course Material	Book
Author	Larry Russen
Publishing Year	2010
Title	Commercial Energy Assessors Handbook
Subtitle	
Edition	
Publisher	Ricsbooks
ISBN	9781842195345

Notes

This module is designed to enable the student to practice higher level building surveying skills by two distinct projects. The first project is based upon the issues of sustainable building design in which the skills and knowledge attained by the student throughout the course can be applied in depth to sustainable building design, with the emphasis on making buildings more sustainable and energy efficient for clients. The second project encourages students to work on a timed project in groups again under the umbrella of sustainability, but in which they can interact with other disciplines.