

Sustainable Buildings Project

Module Information

2022.01, Approved

Summary Information

Module Code	5324BEUG
Formal Module Title	Sustainable Buildings Project
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	10
Workshop	20

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To enable the student to work on a group project that enables the integration and development of a range of professional skills in the context of sustainable building design, maintenance and management.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Work effectively as a team member and demonstrate team working and presentation skills.
MLO2	2	Conduct case study research and evaluate building management and design proposals
MLO3	3	Evaluate and justify a project proposal in relation to the concept of sustainability.

Module Content

Outline Syllabus	Climate change and principles of sustainability Policies, targets and initiatives for a sustainable construction sector Sustainability assessment methods and certification (e.g. BREEAM) Energy assessment, efficiency and renewable energy technologies Sustainable building design and materials Building management and retrofitting to improve sustainability Sustainable buildings case studies. Commercial viability of sustainable building design; costings and added value Cooperation and collaboration for effective group work.
Module Overview	
Additional Information	The module is concerned with sustainable building design and management, with the emphasis on making buildings more sustainable and energy efficient for clients

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Group Report	70	0	MLO1, MLO2, MLO3
Presentation	Group Presentation	30	0	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Tom Hogarth	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings