

Building Technology

Module Information

2022.02, Approved

Summary Information

Module Code	7424BEPG
Formal Module Title	Building Technology
Owning School	Civil Engineering and Built Environment
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	11
Workshop	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To understand and evaluate the principles and techniques used in the construction of buildings. To understand and evaluate the application and performance of sustainable building technologies.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically explain construction forms of both domestic and commercial buildings.
MLO2	2	Critically evaluate principles and application of sustainable, low carbon methods of construction and refurbishment.
MLO3	3	Appraise a range of building materials and technologies and critically evaluate their impact on building performance.
MLO4	4	Critically analyse the integration of building services and sustainable energy sources within domestic and commercial buildings.

Module Content

Outline Syllabus	Construction forms for domestic and commercial buildings. Building Regulations and Approved Documents Health and safety in construction Sustainable and low carbon construction principles & technologies Modern methods of construction Building materials and building performance Building life cycle and refurbishment The principles and operation of building services for domestic and commercial buildings.
Module Overview	This module enables you to understand and evaluate the principles and techniques used in the construction of buildings. You will gain a critical understanding of the properties and performance of building materials required and will come to appreciate the importance and complexity of building construction and technology. You will also investigate the decision making process involved in specifying the correct materials and integrating appropriate building services, in accordance with approved building regulations.
Additional Information	This module develops student's ability to appreciate the importance and complexity of building construction and technology, and the decision making process on specifying the correct materials and integrating appropriate building services, in accordance with approved building regulations.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report	60	0	MLO2, MLO3, MLO1
Centralised Exam	Examination	40	2	MLO2, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Kurannen Baaki	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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