Construction Technology 3

Module Information

2022.01, Approved

Summary Information

Module Code	6613BECC
Formal Module Title	Construction Technology 3
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Coleg Cambria

Learning Methods

Learning Method Type	Hours
Lecture	27
Tutorial	10
Workshop	19

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	28 Weeks

Aims and Outcomes

Aims	To develop an understanding of the principles of sustainability and environmental practices that underpin and influence the operation of the built environment and construction sectors of the UK. To develop an awareness of alternative methods of construction domestic dwellings.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Analyse the environmental impact of the construction industry.
MLO2	2	Critically evaluate various methods used for the identification and assessment of sustainability in construction
MLO3	3	Demonstrate knowledge, understanding and application of the use of MMC within the construction industry.
MLO4	4	Evaluate innovative construction techniques with recommendations for the future of the construction industry.
MLO5	5	Compare, contrast and justify alternative solutions for mechanical and electrical services and utility services for a domestic development.

Module Content

Outline Syllabus	-Environmental protection-Global warming; -Government and national targets-Urbanisation-Environmental impact of materials-Alternative materials and systems-Environmental impact and architectural considerations-Off-site manufacture-Renewable energy-Greywater-Ventilation system-Building Regulations-Historical development-waste disposal-BREEAM-Code for Sustainable Homes.
Module Overview	
Additional Information	This module develops an understanding of the principles of sustainability and environmental practices that underpin and influence the operation of the built environment and construction sectors of the UK.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report	40	0	MLO1, MLO2
Presentation	Presentation	60	0	MLO3, MLO4, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings

Michael Farragher	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings