Digital Technology for Construction

Module Information

2022.01, Approved

Summary Information

Module Code	4536NCCG
Formal Module Title	Digital Technology for Construction
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Nelson and Colne College Group

Learning Methods

Learning Method Type	Hours
Lecture	48

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks
SEP-PAR	PAR	September	12 Weeks

SEP_NS-PAR	PAR	September (Non-standard start date)	12 Weeks

Aims and Outcomes

Aims	This module introduces students to digital technology for construction. It explores how digital technology can plan for a safer and professionally run project.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Explain how digital technology can help plan a project
MLO2	2	Identify a range of programs that could be used
MLO3	3	Use a CAD program to demonstrate the benefits of digital technology
MLO4	4	Identify how health and safety can be improved using digital technology

Module Content

Outline Syllabus	Using drawings in constructionTypes of digital programs available to the construction industryUse CAD to create an example projectHealth and safety issues Changes in designCommunication to construction teamPresentation of projects using digital technologyUse of project planning tools (e.g. MS Project) in constructionBuilding Information Management: types of information kept, purposes of information, BIM management tools.
Module Overview	
Additional Information	

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Presentation	Assignment	100	0	MLO1, MLO2, MLO4
Competency	NCC Group Pass/Fail			MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Fiona Borthwick	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings