

Module Information

2022.01, Approved

Summary Information

Module Code	4614BECC
Formal Module Title	CAD and Construction Information
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
Coleg Cambria

Learning Methods

Learning Method Type	Hours
Lecture	19
Tutorial	10
Workshop	27

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	28 Weeks

Aims and Outcomes

Aims	This module will provide learners with the opportunity to develop the skills needed to produce construction information using industry-standard software. The module focuses on developing students awareness of the different forms of pre-construction information.
------	---

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Produce 2D drawings using industry-standard CAD software applications.
MLO2	2	Develop a 3D CAD model using industry-standard CAD software and present in a variety of media.
MLO3	3	Produce supporting construction information in support of a given construction project.
MLO4	4	Justify different types of construction information in the context of diverse project types.

Module Content

Outline Syllabus	-Pre-construction Information-RIBA plan of work-Impact assessments-Construction drawings-Floor plans, roof plans-Site plans-Title blocks-Legends-Material take-off-Schedules-Specifications-Computer-Aided Design (CAD)-Building Information Modelling (BIM)-virtual reality-Rendering-walkthroughs-Project Planning software-Schedules of works-Class detection-Reading construction drawings.
Module Overview	
Additional Information	This module will provide students with the opportunity to develop the skills in the preparation of construction information via Computer-aided design and project planning software.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Portfolio	70	0	MLO1, MLO2, MLO3
Presentation	Presentation	30	0	MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Spencer Kelly	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings

