

Summary Information

Module Code	5212BEUG
Formal Module Title	Advanced Measurement and Contract Administration
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Mohan Siriwardena	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
James Hartwell	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	10
Workshop	40

Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To refine and extend abilities in the measurement and quantification of complex buildings. To also demonstrate knowledge, understanding and implement construction contract administrative procedures.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Apply the rules of the standard rules of measurement for building works to prepare documentation for complex construction works.
MLO2	Apply skills in the use of quantitative instruments, including standard method and rules of measurement, pricing books.
MLO3	Evaluate and use Information Technology and appropriate software packages in the preparation of project documentation.
MLO4	Implement construction contract administration procedures.

Module Content

Outline Syllabus
The measurement and quantification of complex building works. Building will be considered in relation to complex foundations, frames and external walls. Using software to produce and price Bills of Quantities. Contract administration procedures: dayworks; PC and Provisional sums; variations and change control procedures; interim valuations and retention; claims; final account; insolvency.

Module Overview
This module enables you to refine and extend your abilities in the measurement and quantification of complex buildings. You will also demonstrate knowledge and understanding of implementing construction contract administrative procedures.

Additional Information

The student will be able to apply the principles of measurement, quantification and construction contract administration procedures. In this module, the knowledge learning outcomes are K13, K14 and the skills learning outcomes are S9 and S10.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Technology	Measurement Technology	50	0	MLO3, MLO1, MLO2
Report	Measurement Report	50	0	MLO3, MLO1, MLO2, MLO4