

Liverpool John Moores University

Title: ADVANCED MEASUREMENT AND CONTRACT ADMINISTRATION
Status: Definitive
Code: **5212BEUG** (122645)
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: Civil Engineering and Built Environment

Team	Leader
Mohan Siriwardena	Y
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Academic Level: FHEQ5
Credit Value: 20
Total Delivered Hours: 50
Total Learning Hours: 200
Private Study: 150

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	10
Workshop	40

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Technology	AS1	TECHNOLOGY TASK	50	
Report	AS2	MEASUREMENT REPORT	50	

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.

Learning Outcomes

After completing the module the student should be able to:

- 1 Apply the rules of the standard rules of measurement for building works to prepare documentation for complex construction works.
- 2 Apply skills in the use of quantitative instruments, including standard method and rules of measurement, pricing books.
- 3 Evaluate and use Information Technology and appropriate software packages in the preparation of project documentation.
- 4 Implement construction contract administration procedures.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

MEASUREMENT TECHNOLOGY	1	2	3	
MEASUREMENT REPORT	1	2	3	4

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.

Learning Activities

Structured Lectures and Workshops which allow the students to reinforce, develop and apply their knowledge and understanding and obtain specific problem solving help and advice. Assessment is 100% coursework.

Notes

The student will be able to apply the principles of measurement, quantification and construction contract administration procedures.