

Liverpool John Moores University

Title: MEASUREMENT AND COSTING STUDIES 3
Status: Definitive
Code: **6115BEUG** (118018)
Version Start Date: 01-08-2020

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

Team	Leader
Dianne Marsh	Y
Mohan Siriwardena	
Tom Dowd	
James Hartwell	

Academic Level: FHEQ6 **Credit Value:** 24 **Total Delivered Hours:** 72
Total Learning Hours: 240 **Private Study:** 168

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	24
Workshop	48

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Report 1	25	
Report	AS2	Report 2	25	
Test	AS3	In Class time controlled test	50	

Aims

To refine and extend abilities in the measurement and quantification of more complex construction work and building services.

To allow for the measurement and calculation of construction claims and the use of

more specialised construction software.

Learning Outcomes

After completing the module the student should be able to:

- 1 Appraise and apply the rules of the standard method of measurement to prepare project documentation related to complex construction projects including building service installations
- 2 Evaluate emerging practices of the Quantity Surveyor in relation to design, environmental and performance considerations.
- 3 Evaluate procedures and processes in relation to construction claims
- 4 Appraise the use of Information Technology to support the Role of The Quantity surveyor throughout the project life cycle

Learning Outcomes of Assessments

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

REPORT 1	1	
REPORT 2	3	
In class time controlled test	2	4

Outline Syllabus

*The development of tender documentation for building services.
Estimating and pricing work in relation to building services.
Calculation of construction claims consideration given to the measurement and costing of heads of claims in relation to current construction contracts.
Use of appropriate software in pre and post contract activities.
Development of contract practice skills in relation to pre and post contract management.*

Learning Activities

Lectures and workshops

Notes

This module provides a mechanism for students to extend and develop abilities in the quantification in relation to building services and to develop problem solving skills in relation to construction claims.