

Liverpool John Moores University

Title: MEASUREMENT AND COSTING STUDIES 3
Status: Definitive
Code: **6515BEDA** (118734)
Version Start Date: 01-08-2011

Owning School/Faculty: Built Environment
Teaching School/Faculty: Built Environment

Team	Leader
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Academic Level: FHEQ6 **Credit Value:** 24.00 **Total Delivered Hours:** 25.00
Total Learning Hours: 240 **Private Study:** 215

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Online	24.000
Seminar	1.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1		25.0	
Presentation	AS3		25.0	
Report	AS2		50.0	

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 for building service installations related to complex construction projects.
- 2 Evaluate client objectives with regard to project design, environmental and performance results.
- 3 Evaluate procedures and processes in relation to construction claims.
- 4 Evaluate the use of Information Technology and appropriate software packages in the preparation of cost advice throughout the project life cycle.

Learning Outcomes of Assessments

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

TECHNOLOGICAL TASK PRESENTATION	1	
REPORT	2	4
	3	

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

References

Course Material	Book
Author	RICS
Publishing Year	2000
Title	Standard Method of Measurement 7 Measurement Code
Subtitle	
Edition	
Publisher	Construction Confederation

ISBN	0854063617
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Course Material	Book
Author	G. P. Murray
Publishing Year	1997
Title	Measurement of Building Services
Subtitle	
Edition	
Publisher	Palgrave Macmillan
ISBN	0333675932

Course Material	Book
Author	D. Cartlidge
Publishing Year	2006
Title	New aspects of Quantity Surveying Practice
Subtitle	
Edition	2nd
Publisher	Butterworth Heinemann
ISBN	0750668415

Course Material	Book
Author	P. Keily & P. McNamara
Publishing Year	2005
Title	SMM7 Explained and Illustrated
Subtitle	
Edition	
Publisher	RICS
ISBN	1842191381

Course Material	Book
Author	J. Davidson & P. Hambleton
Publishing Year	2006
Title	SMM7 Questions and Answers
Subtitle	
Edition	
Publisher	RICS
ISBN	9781842192280

Course Material	Book
Author	CIOB
Publishing Year	2009
Title	Code of Estimating Practice
Subtitle	
Edition	7th
Publisher	Wiley-Blackwell
ISBN	9781405129718

Course Material	Book
Author	B. Martin
Publishing Year	2008
Title	Estimating and Tendering for Construction Work
Subtitle	
Edition	4th
Publisher	Butterworth Heinemann
ISBN	9780750686167

Course Material	Book
Author	R. J. Wheeler & A. Clark
Publishing Year	1992
Title	Building Quantities: Worked Examples
Subtitle	
Edition	
Publisher	Butterworth Heinemann
ISBN	07050602805

Course Material	Book
Author	B. J. D. Spain
Publishing Year	1992
Title	CESMM3 Explained
Subtitle	
Edition	
Publisher	Taylor & Francis
ISBN	0419177000

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.