

Liverpool John Moores University

Title: MEASUREMENT, TENDERING AND ESTIMATING
Status: Definitive
Code: **4104BEHN** (118175)
Version Start Date: 01-08-2012

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

Team	Leader
James Hartwell	Y

Academic Level: FHEQ4 **Credit Value:** 24.00 **Total Delivered Hours:** 48.00

Total Learning Hours: 240 **Private Study:** 192

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	48.000

Grading Basis: BTEC

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Technology	AS1		25.0	
Report	AS3		40.0	
Technology	AS2		35.0	

Aims

To examine the principles of measurement, tendering and estimating using standard measurement and tendering procedures.

To examine and apply concepts and methods of pricing to determine the cost implications of operations.

Learning Outcomes

After completing the module the student should be able to:

- 1 Apply current standard practices to measurement techniques.
- 2 Apply measurement techniques to produce a Bill of Quantities for a small building project.
- 3 Discuss the nature and scope of information required to produce a tender.
- 4 Evaluate the principles and techniques of estimating.
- 5 Apply concepts and methods of pricing to determine the cost implications of building operations.

Learning Outcomes of Assessments

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

Technological tasks & tests	1			
Final Report & tests	3	4	5	
Technological tasks & tests	2			

Outline Syllabus

Principles of measurement.

Standard methods of measurement.

Nature and scope of information required to produce a tender.

Principles and techniques of estimating.

Concepts and methods of pricing to determine the cost implications of building operations and their application.

Learning Activities

Lectures including student activities, critical reading and electronic activities.

References

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

Course Material	Book
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Author	
Publishing Year	2000
Title	'Standard Method of Measurement seventh'
Subtitle	
Edition	7th
Publisher	RICS Construction Confederation
ISBN	0854063617

Course Material	Book
Author	Patrick Keily and Patrick McNamara
Publishing Year	2005
Title	'SMM7 Explained and Illustrated'
Subtitle	
Edition	
Publisher	RICS
ISBN	1-84219-138-1

Course Material	Book
Author	John Davidson and Paul Hambleton
Publishing Year	2006
Title	'SMM7 questions and Answers'
Subtitle	
Edition	
Publisher	Coventry RICS
ISBN	9781842192280

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

Course Material	Book
Author	Brook Martin
Publishing Year	2008
Title	'Estimating and tendering for Construction work'
Subtitle	
Edition	
Publisher	Butterworth Heinemann
ISBN	9780750686167

Course Material	Book
Author	Brook, M.
Publishing Year	2004

Title	'Estimating & Tendering or Construction Work'
Subtitle	
Edition	
Publisher	Longman
ISBN	0750658649

Course Material	Book
Author	CIOB
Publishing Year	1997
Title	'Code of Estimating Practice'
Subtitle	
Edition	
Publisher	Longman
ISBN	058230279X

Course Material	Book
Author	Seeley, I.J.
Publishing Year	1998
Title	'Building Quantities Explained'
Subtitle	
Edition	5th
Publisher	Macmillan
ISBN	1852630043

Notes

This module covers the work processes likely to be experienced by an estimator/surveyor.