

Module Title:	Procurement, Tendering & Estimating
Module Code:	BSCC06H
Level:	6
Credits:	15
Pre-requisites:	

Module Description:

The module is designed to provide an understanding of the ways in which construction projects can be procured, the methods of estimating that are used to cost construction work and the considerations involved in preparing a tender.

Indicative Content:

- Traditional, Design & Build and Management-type procurement methods; partnering, PFI, term contracts, lump sums and schedules of rates.
 - Factors influencing costs, sources and collection of data regarding labour and plant costs, material costs, sub-contract costs, coverage rules for a unit of work using SMM7.
 - Analysis of PC, Provisional and Contingency sums, calculation of preliminary costs and overheads.
 - Commercial and operational factors and their effect on the tender price.
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Learning and Teaching Methods:

The module will be delivered through a series of short lectures and extensive use of scenario-based exercises.

Specific Learning Resources:

Computer-based estimating packages

Bibliography

Highly Recommended

The Chartered Institute of Building (2009) Code of estimating practice, 7th edition, Chichester: Wiley-Blackwell.

Recommended

Ashworth, A (2008) Pre-Contract Studies – Development Economics, Tendering & Estimating 3rd Edition Oxford: Blackwell Science

Brook, M (2016) Estimating and Tendering for Construction Work 5th Edition, London: Spon Press

Buchan, R Fleming, F Grant, F (2016) Estimating for Builders and Surveyors 2nd

Module Specifications: *Schools of Construction and Engineering*

Edition Oxford: Butterworth Heinemann

Cartlidge, D (2013) *Estimator's Pocket Book*, Abingdon: Routledge

Module Learning Outcomes

Subject Specific Learning Outcomes

On successful completion of this module you will be able to:

LO 1	Critically evaluate the various procurement routes and contractual arrangements in common use.
LO 2	Critically analyse and apply techniques of estimating and pricing to produce an estimate for construction operations.
LO 3	Demonstrate an in depth knowledge and detailed appreciation of the information required to produce a tender for construction work.

Assessment Title or element	Weighting (%)
Report: 2,500 words (Semester end)	50%
Applied estimation (Mid semester)	50%

Information correct at point of publication.