

Module Outline

Part 1- as validated

1.	Title	Procurement, Tendering and Estimating
2.	Level *	6
3.	Credits	20
4.	Indicative Student Study Hours	36
5.	Core (must take and pass), Compulsory (must take) or Optional	Compulsory

** Foundation Level=3 Degree Year 1 = 4 Degree Year 2 = 5 Degree Year 3 = 6*

PG (Masters) = 7

5. Brief Description of Module (purpose, principal aims and objectives)

The ability to accurately estimate construction work is an essential element of how construction contractors bid for and win construction work. 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.

6. Learning Outcomes - On successful completion of this module a student will be able to:

(Add more lines if required)

	Subject Specific Learning Outcomes
1.	Critically evaluate the various procurement routes and contractual arrangements in common use.
2.	Critically analyse and apply techniques of estimating and pricing to produce an estimate for construction operations.
3.	Demonstrate an in depth knowledge and detailed appreciation of the information required to produce a tender for construction work.
	Generic Learning Outcomes
1.	Manipulate and apply numerical skills to solve problems
2.	Investigate and analyse solutions to providing information.

7. Assessment

Pass on aggregate or Pass all components

(modules can only be pass all components if this is a PSRB requirement)

Pass on aggregate

Summary of Assessment Plan

	Type	% Weighting	Anonymous Yes / No	Word Count/ Exam Length	Learning Outcomes Coverage	Comments
1.	Applied Estimating Report	50%	Yes	2000	LO 2	
2.	Procurement Advisory Report	50%	Yes	2000	LO 1, 3	

Further Details of Assessment Proposals

Give brief explanation of each assessment activity listed

Applied Estimating Report

The report deals with a proposed extension of a local sailing clubhouse. Students are provided with the design and performance criteria and are asked to

Evaluate three contemporary methods of producing a suitable estimate for the scheme.

Your report should determine most appropriate method for this scenario and it should include justification of your decision

Your client then requires a detailed estimate of the proposed works to form the main body of the report.

Procurement Advisory Report

Building on the work carried out for the first assignment, the students are required to evaluate the advantages and disadvantages of different procurement routes. This should include details of the contractual arrangements used with each method and then lead to the justified selection of a route that may be suitable for the project. The report should then go on to explain the tendering process that would follow, taking due consideration of the project, the client and the procurement route chosen

8. Summary of Pre and / or Co Requisite Requirements

Quantity Surveying Practice

9. For use on following programmes

BSc (Honours) Construction Management (Quantity Surveying)

Module Specification

Part 2- to be reviewed annually

1.	Module Leader	Brenda Rich
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2.	Indicative Content
	<p>Traditional, Design & Build and Management-type procurement methods; partnering, PFI, term contracts, lump sums and schedules of rates.</p> <p>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.</p> <p>Analysis of PC, Provisional and Contingency sums, calculation of preliminary costs and overheads.</p> <p>Commercial and operational factors and their effect on the tender price.</p>

3. Delivery Method <i>(please tick appropriate box)</i>					
Classroom Based	Supported Open Learning	Distance Learning	E-Learning	Work Based Learning	Other (specify)
Yes					
<i>If the Delivery Method is Classroom Based please complete the following table:</i>					
	Activity (lecture, seminar, tutorial, workshop)	Activity Duration - Hrs	Comments	Learning Outcomes	
1	Lectures	36		LO 1-4	
2					
	Total Hours	36			
<i>If delivery method is not classroom based state lecturer hours to support delivery</i>					

4. Learning Resources

To include contextualised Reading List.

Highly Recommended

Ashworth, A. and Perera, S. (2018) *Contractual Procedures in the Construction Industry 7th Edition*, Abingdon: Routledge

Flanagan, R. and Jewell, C. (2018) *New Code of Estimating Practice*, Chichester: Wiley-Blackwell.

Recommended

Ashworth, A. Hogg, K. Higgs, C. (2013) *Willis's Practice and Procedure for the Quantity Surveyor 13th Edition*, Chichester: Wiley-Blackwell

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

Brook, M. (2016) *Estimating and Tendering for Construction Work 5th Edition*, Abingdon: Routledge

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

Towey, D. (2017) *Construction Quantity Surveying: A Practical Guide for the Contractor's QS 2nd Edition*, Chichester: John Wiley and Sons

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