Module Title:	Quantity Surveying and Estimating

Credits:	5

NFQ Level:	6

Module Delivered In	1 programme(s)

Teaching & Learning Strategies:	Lectures Projects Practicals Private study

Module Aim:	The aims of the module are: (1) to develop a knowledge of measurement, tendering and post contract procedures. (2) to teach measurement and estimating skills. Students must participate in class work, practical work and project work and must achieve a minimum of 50% in these elements of continuous assessment in order to have satisfied the learning outcomes listed below.

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	to describe the parties to the construction industry, measurement, tendering and post contract procedures;
LO2	to measure simple civil engineering work in accordance with current Standard Method of Measurement
LO3	to estimate the cost of simple civil engineering work.
LO4	to understand how to value "as constructed" work and variations in accordance with the Conditions of Contract

Pre-requisite learning
Module Recommendations *This is prior learning (or a practical skill) that is recommended before enrolment in this module.*
No recommendations listed
Incompatible Modules *These are modules which have learning outcomes that are too similar to the learning outcomes of this module.*
No incompatible modules listed
Co-requisite Modules
No Co-requisite modules listed
Requirements *This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.*
No requirements listed

Module Content & Assessment

Indicative Content
(1) Parties to The Construction Industry (2 hours lectures) (a) Client (b) Design Team (c) Construction Team (d) Organisations associated with the construction industry
(2) Tendering Arrangements (6 hours lectures) (a) Open tendering (b) Selective tendering (c) Negotiated tenders (d) Speculative development (e) Modern forms of contractor selection
(3) Specification (6 hours lectures) (a) Purpose of specification and relation to other contract documents (b) Sources of information for specification
(4) Measurement of Civil Engineering Work (18 hours lectures, 23 hours (a) Roles of tender and contract documents (b) Measurement of simple civil engineering work using current Standard Method of Measurement (groundworks and retaining wall)
(5) Tendering and Estimating (10 hours lectures, 15 hours practicals) (a) Plant costing (b) Cost of labour (c) Preparation of unit rates
(6) Post Contract Valuation of Work (10 hours lectures) (a) Preparation of valuations (b) Valuation of variations (c) Prime Cost Sums and Provisional Sums (d) Final Accounts

Assessment Breakdown	%
Continuous Assessment	20.00%
Project	20.00%
End of Module Formal Examination	60.00%

Continuous Assessment				
Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Other	Term 1 Examination	1,2	10.00	n/a
Other	Term 2 Examination	1,2,3,4	10.00	n/a

Project				
Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Project	Project 1	1	5.00	Sem 1 End
Project	Project 2	2	10.00	n/a
Project	Project 3	3	5.00	n/a

No Practical

End of Module Formal Examination				
Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Formal Exam	No Description	1,2,3,4	60.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	30 Weeks per Stage	1.87
Practicals	30 Weeks per Stage	1.13
Estimated Learner Hours	30 Weeks per Stage	1.00
	Total Hours	120.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMHCE_B	Bachelor of Engineering (Honours) in Civil Engineering - Ab Initio	1	Mandatory