

Module Title:	Quantity Surveying and Estimating
Language of Instruction:	English
Credits:	5
NFQ Level:	6
Module Delivered In	2 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	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	to effectively describe the parties to the construction industry and associated professional bodies
LO2	to accurately measure simple civil engineering work in accordance with current Standard Method of Measurement
LO3	to estimate the cost of simple civil engineering work in a systematic manner
LO4	to demonstrate an understanding of how to value "as constructed" work and variations in accordance with the Conditions of Contract
Pre-requisite learning	
Module Recommendations <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
No requirements listed	

Module Content & Assessment

Indicative Content

(1) Parties to The Construction Industry

(a) Client (b) Design Team (c) Construction Team (d) Professional Bodies associated with Irish Construction Industry

(2) Estimating

(a) Plant costing (b) Cost of labour (c) Preparation of unit rates

(3) Measurement of Civil Engineering Work

(a) Measurement of simple civil engineering work using current Standard Method of Measurement (groundworks)

(4) Tendering Procedures and Arrangements

(a) Open tendering (b) Selective tendering (c) Negotiated tenders (d) Other forms of contractor selection (e) Role of tender and contract documents (f) Tendering procedures in accordance with Liaison Committee Documents.

(5) Specification

(a) Purpose and types of specification

(6) Post Contract Valuation of Work

(a) Valuations/Recommendations/Variations/Final Accounts (b) Prime Cost Sums and Provisional Sums

Assessment Breakdown	%
Project	40.00%
End of Module Formal Examination	60.00%

No Continuous Assessment

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	n/a	1	20.00	n/a
Project	n/a	2	20.00	n/a

No Practical

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	No Description	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		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	6.00
Estimated Learner Hours	12 Weeks per Stage	4.42
Total Hours		125.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMHCE_B	Bachelor of Engineering (Honours) in Civil Engineering	2	Mandatory
CW_CMCIV_D	Bachelor of Engineering in Civil Engineering	4	Mandatory