

<b>Module Title:</b>	Measurement, Tendering & Valuation
<b>Language of Instruction:</b>	English
<b>Credits:</b>	15
<b>NFQ Level:</b>	8
<b>Module Delivered In</b>	No Programmes
<b>Teaching &amp; Learning Strategies:</b>	Lectures, Private study, Group & individual project work
<b>Module Aim:</b>	The aims of the subject are: (1) to develop a greater knowledge, understanding of and competency in Quantity Surveying Practice and Procedure (2) to develop a greater knowledge, understanding of and competency in Measurement, Estimating Practice and Tendering Procedures

Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	prepare common documents used in the tendering process
LO2	measure advanced building works in accordance with various Standard Methods of Measurement
LO3	estimate costs, prepare and submit a tender for a construction project
LO4	use measurement and estimating skills and contract knowledge in an integrated manner
LO5	value work in progress and on completion
LO6	evaluate valuation submissions and claims from contractors

Pre-requisite learning	
<b>Module Recommendations</b> <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
<b>Incompatible Modules</b> <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Requirements</b> <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) Preparation Of Tender Documentation For Main And Sub- Contract Works**

(a) Drafting of preliminaries and preambles clauses (b) Specification writing (c) Selecting appropriate forms of contract and sub-contract (d) Examination and comparison of different methods of measurement (ARM, NRM, POMI, CESMM, MMRW, MMHW)

**(2) Advanced Measurement Of Construction Work**

(a) Complex structural elements (b) Complex completion elements (c) Spot items, shoring and temporary work (d) Piling works (e) Structural steel shoring (f) Diaphragm walls and deep basements (g) Underpinning (h) External works and siteworks (i) Electrical installations (j) Mechanical installations

**(3) Post Contract Quantity Surveying**

(a) Interim valuations for payment (b) Re-measurement of provisional quantities (c) Variation accounts (d) Inflation (e) Contractual Claims (f) Cost Implications associated with contractual arrangements (g) Cost Control Systems and Strategies

**(4) Advanced Estimating**

(a) Resource Costs (b) Project Overheads (c) Approximate estimating techniques (d) Allowing for / Managing Risk and Uncertainty (e) Allowing for Inflation (f) Tendering Practice and Procedures (g) Contractor's approach estimating (h) Tender analysis (i) Tendering strategy and tender performance (j) Post tender negotiation (k) Sub-contractor evaluation and management (l) Cash-flow preparation (m) Cost / Value Reconciliation (n) Value Engineering

Assessment Breakdown	%
Continuous Assessment	20.00%
Project	40.00%
End of Module Formal Examination	40.00%

**Continuous Assessment**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Other	No Description	1,2,3,4,5,6	20.00	n/a

**Project**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	No Description	1,2,3,4	40.00	Sem 1 End

No Practical

**End of Module Formal Examination**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	No Description	1,2,3,4,5,6	40.00	End-of-Semester

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

**Module Workload**

<b>Workload: Full Time</b>		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	30 Weeks per Stage	5.00
Estimated Learner Hours	30 Weeks per Stage	5.00
Total Hours		300.00

