

Module Title:	Measurement and Costing
Language of Instruction:	English
Credits:	10
NFQ Level:	7
Module Delivered In	1 programme(s)
Teaching & Learning Strategies:	Lectures Private study Individual & Group Project Work
Module Aim:	The aim of the module is to develop advanced measurement, cost planning and valuation skills
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	to measure and estimate costs of advanced building works and building services manually and using appropriate software
LO2	to perform basic economic analysis of different building solutions and advise on the basis of the analysis
LO3	to collate and analyse cost data and prepare a cost plan
LO4	value works for interim payments, contract changes and final accounts
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) Measurement And Estimating Cost Of Building Work

(a) Measurement of building completions, finishes and siteworks (b) Measurement of building services (c) Estimating for building services (d) Use of measurement and estimating software

(2) Cost Planning

(a) Historical Cost Data and Sources, published and private (b) Overview of Cost Planning Stages (c) Cost Planning the Design Stages (d) Cost Analysis (e) Cost Limits, Cost Targets, Functional Unit, Elemental, Approximate Quantities and Detailed Quantities

(3) Valuing works

(a) Interim Applications (b) Change Management (c) Final Accounts

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

No Continuous Assessment

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	No Description	1,2,3	60.00	n/a

No Practical

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	No Description	1,2,4	40.00	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	8.00
Project	12 Weeks per Stage	4.67
Estimated Learner Hours	12 Weeks per Stage	10.00
Total Hours		272.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMQSU_B	Bachelor of Science (Honours) in Quantity Surveying	5	Mandatory