

Module Title:	Measurement and Management
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, estimating and management 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 prepare and analyse critical path programmes both manually and using appropriate computer software;
LO4	to review Health and Safety legal requirements and assist with Health and Safety management
LO5	to collate and analyze cost data and prepare a cost plan
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 (30 hours lectures, 30 hours practicals)

(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 Analysis / Planning (40 hours lectures)

(a) Historical Cost Data and Sources, published and private (b) Design Economics and Quality implications (c) Cost Analysis, Use of Indices (d) Cost Planning (e) Evaluation of Whole Life Costs

(3) Project Management (30 hours lectures, 20 hours practicals)

(a) Theory and process of project management (b) Critical Path / Network Analysis techniques (c) Resource planning, management and reporting techniques (d) Monitoring and reporting progress (e) Use of Microsoft Project and other software

(4) Safety Management (30 hours lectures)

(a) Health and Safety legislation and regulations (b) Health and Safety at Design / Construction Stage / Post Construction Stage (c) Risk assessment and management

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	20.00	n/a

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	No Description	1,2,3,4,5	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	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	30 Weeks per Stage	6.00
Estimated Learner Hours	30 Weeks per Stage	6.00
Total Hours		360.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMBSE_D	Bachelor of Science in Construction Management with Buildings Services	5	Mandatory