SURV H2503: Measurement & Estimating

Module Title:	Measurement & Estimating
Language of Instruction:	English

Credits:	10

NFQ Level:	6

Module Delivered In	1 programme(s)

Teaching & Learning Strategies:	Lectures Projects Private study

Module Aim:	The aims of the subject are: (1) to develop a knowledge of measurement, tendering and post contract procedures (2) to teach measurement and estimating skills

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	to describe measurement, tendering and post contract procedures
LO2	to measure and estimate costs of simple building work.
LO3	to describe and demonstrate an understanding of the knowledge of valuation of '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

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Module Content & Assessment

Indicative Content
(1) Measurement of building work (30 hours lectures, 30 hours practicals) (a) Measurement of simple building structure using current Standard Method of Measurement.
(2) Tendering and estimating (15 hours lectures, 15 hours practicals) (a) Role of Tender and Contract Documents (b) Plant costing (c) Cost of labour, (d) Preparation of unit rates
(3) Post contract valuation of work (30 hours lectures) (a) Preparation of valuations (b) Valuation of variations (c) Prime Cost Sums and Provisional Sums (d) Final Accounts (e) Use of general purpose software for these processes

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	No Description	1,2,3	20.00	n/a

Project				
Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Project	No Description	1,2	20.00	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	60.00	End-of-Semester

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

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Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	30 Weeks per Stage	4.00
Estimated Learner Hours	30 Weeks per Stage	4.00
	Total Hours	240.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMBSE_D	Bachelor of Science in Construction Management with Buildings Services	3	Mandatory