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MODULE DESCRIPTOR

Module Title

Measurement 3

Reference	SU4070	Version	2
Created	February 2017	SCQF Level	SCQF 10
Approved	September 2015	SCQF Points	15
Amended	September 2017	ECTS Points	7.5

Aims of Module

To provide the student with the ability to recognise the concept of precontract quantification of building and civil engineering construction work and the skills required for the preparation of Bills of Quantities

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Identify the principles and select appropriate methods of recording measurements from drawn information and associated descriptions of works, as defined in the current RICS New Rules of Measurement and ICE Civil Engineering Standard Method of Measurement.
- 2 Apply appropriate measurement techniques to given scenarios.

Indicative Module Content

The module will facilitate investigation of the use of Bills of Quantities (BQs), formats and techniques adopted to ensure Quality assurance of the final BQ. An introduction to and application of the current methods of measurement for building works and civil engineering works, including the co-ordinated project information initiative (CPI). The interpretation of graphical and textual project information; mensuration techniques and conventional methods of booking and preparing dimensions.

Module Delivery

This module is delivered via two modes, one with attendance for full time and the other distance learning via the University Virtual Campus (VC) for Distance Learning students. For full time students this is predominantly a workshop based module with Tutor support. There will be a limited number of key lectures, with student centred learning based upon core texts. For distance learning students this is predominantly a student centred learning experience based upon self study workshop materials reinforced with student based problem solving with tutoring being provided via the VC collaboration/ discussion tools.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	30	N/A
Non-Contact Hours	120	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2
Description:	The assessment relates to the creation of a draft Bill of Quantities for a given scenario.				

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

In order to pass the module students must achieve 35% or greater in each component or 40% or greater overall.

Module Grade	Minimum Requirements to achieve Module Grade:
A	70% or better
B	60% or better
C	50% or better
D	40% or better
E	35% or better
F	Less than 35%
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None, in addition to course entry requirements.
Corequisites for module	None.
Precluded Modules	None.

ADDITIONAL NOTES

Where appropriate, mixed discipline team working and the use of IT enabled environments will be encouraged.

INDICATIVE BIBLIOGRAPHY

- 1 ICE (1991), CESMM3: Civil engineering standard method of measurement, Institution of Civil Engineers (Great Britain), ISBN: 0727715615
- 2 Seeley, I. H (2001), Civil engineering quantities, Palgrave, ISBN: 0333800745
- 3 Barnes, M (1992), CESMM3 handbook : a guide to the financial control of contracts using the Civil Engineering Standard Method of Measurement, Thomas Telford, ISBN: 072773346X
- 4 RICS, (2012), New Rules of Measurement 2 Detailed Measurement for Building Works, RICS Publication, London, ISBN 9781842197165
- 5 Seeley, I. H (1989) Advanced building measurement , ISBN: 0333485424