

## MODULE DESCRIPTOR

### Module Title

Measurement 1

Reference	SU2005	Version	15
Created	July 2021	SCQF Level	SCQF 8
Approved	July 2005	SCQF Points	15
Amended	September 2021	ECTS Points	7.5

### Aims of Module

To provide the student with the ability to recognise the concept of precontract quantification of construction work and the skills required for the preparation of Bills and 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.
- 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 method of measurement for building 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. The development of assessment includes a significant volume of collaborative team working.

### Module Delivery

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. Students will be working in teams to develop experience of working collaboratively. Practising professionals will assist with workshops where appropriate. New BIM based billing software will be introduced within this module.

**Indicative Student Workload**

	Full Time	Part Time
Contact Hours	40	N/A
Non-Contact Hours	110	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: One significant piece of project based coursework that relates to the creation of a draft Bill of Quantities for a small scale building project.

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

The overall module grade is based on 100% weighting of Component 1 (Coursework). An overall minimum grade D is required to pass the module. Non-submission will result in an NS grade.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A
B	B
C	C
D	D
E	E
F	F
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	SU2031 Building Control and Administration

**ADDITIONAL NOTES**

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

**INDICATIVE BIBLIOGRAPHY**

- 1 RICS, (2012), New Rules of Measurement 2 Detailed Measurement for Building Works, RICS Publication, London, ISBN 9781842197165.
- 2 Lee, S., 2011; Willis's elements of quantity surveying, Oxford: Blackwell.
- 3 PACKER, A.D., 1996. Building Measurement. Harlow: Longman.