

<b>Module Title:</b>	Measurement Practice
<b>Module Code:</b>	BSCC08I
<b>Level:</b>	5
<b>Credits:</b>	15
<b>Pre-requisites:</b>	CONSTRUCTION & MATERIALS TECHNOLOGY

**Module Description:**

The module is designed to introduce the learner to the measurement of construction work in accordance with recognised industry standards and practice.

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**Indicative Content:**

- Describe the different uses of measurement in the design, tendering and construction stages of a project.
  - Identify and utilise appropriately standard rules and procedures for the measurement of construction work.
  - Take off measurements and quantities for simple construction work: foundations and substructure, masonry built superstructure, flat and pitched roof construction and coverings, internal and external finishes, internal components such as floors, windows and doors and external drainage.
  - Process and produce a simple bill of quantities including the production of appropriate preliminary and preamble clauses.
  - Application of information technology in contemporary measurement practice.
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**Learning and Teaching Methods:**

The module will be delivered through a series of lectures centring on worked examples of measurement work. A small project will be used to assist in the understanding of measurement in all its forms and its application throughout the construction process.

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**Specific Learning Resources:**

RICS – SMM7 The Standard Method of Measurement of Building Works Revised Edition (RICS, 1998).

Measurement and Billing software.

**Bibliography**

Highly Recommended

Seeley, I. and Winfield, R. (1999) Building Quantities Explained 5th Edition Basingstoke: Palgrave Macmillan

Cartlidge, D. (2009) Quantity Surveyor's Pocket Book Oxford: Elsevier Ltd

Recommended

**Module Specifications:** *Schools of Construction and Engineering*

Lee, S et.al. (2005) Willis's Elements of Quantity Surveying 11th Edition Oxford: Blackwell Publishing Ltd

Background Reading

Cartlidge, D. (2006) New Aspects of Quantity Surveyor's Practice 2nd Edition Oxford: Butterworth Heinemann

**Module Learning Outcomes**

**Subject Specific Learning Outcomes**

*On successful completion of this module you will be able to:*

**LO 1** | Examine measurement techniques and their application.

**LO 2** | Select and apply appropriate processes in order to determine construction quantities.

**LO 3** | Construct bills of quantities of measured works.

**LO 4** | Appraise the application of information technology in contemporary measurement practice.

Assessment Title or element	Weighting (%)
Portfolio <ul style="list-style-type: none"><li>• Report (30%)</li><li>• Case study (70%)</li></ul>	100%

*Information correct at point of publication.*