

## Module specification

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Module Code	AUR5A2
Module Title	Quantity Surveying
Level	5
Credit value	20
Faculty	Faculty of Arts, Computing & Engineering
HECoS Code	100217
Cost Code	GABE

## Programmes in which module to be offered

Programme title	Is the module core or option for this programme
BSc (Hons) Quantity Surveying	Core
BSc (Hons) Quantity Surveying Degree Apprenticeship	Core

## Pre-requisites

None

## Breakdown of module hours

Learning and teaching hours	30 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
<b>Total active learning and teaching hours</b>	<b>30 hrs</b>
Placement / work-based learning	0 hrs
Guided independent study	170 hrs
<b>Module duration (total hours)</b>	<b>200 hrs</b>

For office use only	
Initial approval date	3 <sup>rd</sup> July 2024
With effect from date	September 2024



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Date and details of revision	
Version number	1

## Module aims

The module will provide students with an extended understanding of measurement and cost control, using manual and digital tools and standards such as New Rules for Measurement.

Students will be able to measure and quantify to support the design process, production of project information of projects and evaluate outcomes.

## Module Learning Outcomes - at the end of this module, students will be able to:

1	Apply measurement techniques to a range of complex projects to support the design and construction process.
2	Develop the production of information, data, and advice to clients, contractors, and stakeholders.
3	Produce measured quantities for a range of elements and components on a variety of projects.
4	Utilise and evaluate digital technologies that support the construction process and the management of costs.

## Assessment

Indicative Assessment Tasks:

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Assessment 1 will comprise of a 2-hr examination.

Assessment 2 will comprise of a series of tasks submitted as coursework (2000 words)

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1,2	Examination	50
2	3,4	Coursework	50

## Derogations

The pass mark for this module is 40%, and a minimum of 40% must be achieved in each assessment element.



## **Learning and Teaching Strategies**

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The module will be presented to students through planned lecture series and tutorials. An active and inclusive approach is used to engage students in the topics and will involve individual, group work and flipped learning experiences aligned to the university's Active Learning Framework (ALF). The approach offers students a flexible and adaptive learning experience that can accommodate a range of options that includes both on campus learning and remote learning where appropriate.

The Moodle VLE and other on-line materials and resources will be available to support learning. ALF offers a balance between the classroom elements and digitally enabled activity incorporating flexible and accessible resources and flexible and accessible feedback to support learning.

Guest lecturers with specific topic expertise will be encouraged, from within the University or through the professional network related to the Built Environment. Practical activities, use of software workshops and case studies will be used where possible to enhance learning.

Tutorials – Close interaction with students ensuring that the work presented during lectures has been understood, with specific help being given to overcome any learning problems, should they occur.

## **Indicative Syllabus Outline**

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Quantity Surveying roles for Client/Contractor.

Different types of procurement /contract arrangement.

Methods for reporting information to client and stakeholders, including negotiated contracts.

Professional Codes of Conduct, including ethical considerations such as anti-bribery and corruption

Non- adversarial behaviours.

Tender/Contract documentation.

Methods of Measurement. (SMM7 and NRM)

Take off measurements.

Insurance; performance bonds and warranties.

Building Information Modelling (BIM).

Cost planning/Budget setting.

Production of bills of quantities.

Production of schedules.

Reporting procedures by client/ main contractor.

Measurement of variations.

Production of sub-contract.

Production of supply packages.

Production of final accounts/Financial Statements.

Life Cycle costing

Carbon Calculators

## **Indicative Bibliography:**

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Please note the essential reads and other indicative reading are subject to annual review and update.

### **Essential Reads**

Ashworth, A. Higgs,C.(2023), *Willis's Practice and Procedure for the Quantity Surveyor*, 14th Edition. Hoboken: John Wiley and Sons.

### **Other indicative reading**

Packer, A. (2017), *Building Measurement New Rules of Measurement*. 2nd Edition London: Routledge.

OSTROWSKI, S. (2013) *Estimating and Cost Planning Using the New Rules of Measurement*. Chichester, West Sussex: Wiley-Blackwell.

OSTROWSKI, S. (2013) *Measurement Using the New Rules of Measurement*. Chichester, West Sussex: Wiley-Blackwell.

RICS (Royal Institution of Chartered Surveyors) (2012) *NRM 2 Detailed Measurement for Building*. London: RIBA Publishers

Chartered Institute of Architectural Technologists [www.ciat.org.uk](http://www.ciat.org.uk)

Chartered Institute of Building [www.ciob.org.uk](http://www.ciob.org.uk)

Ordnance Survey [www.ordnancesurvey.co.uk/](http://www.ordnancesurvey.co.uk/)

Royal Institution of Chartered Surveyors [www.rics.org](http://www.rics.org)

Institution of Civil Engineers [www.ice.org.uk](http://www.ice.org.uk)

Royal Institute of British Architects [www.architecture.com](http://www.architecture.com)

Designing Buildings Wiki [www.designingbuildings.co.uk](http://www.designingbuildings.co.uk)

Institution of Structural Engineers ([www.istructe.org.uk](http://www.istructe.org.uk))

### **Other sources:**

IHS Database [www.ihsti.com](http://www.ihsti.com)