

<b>Module Code:</b>	AUR408/AURH408
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<b>Module Title:</b>	Quantity Surveying Practice 1
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<b>Level:</b>	4	<b>Credit Value:</b>	20
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<b>Cost Centre(s):</b>	GABE	<b>JACS3 code:</b>	K190 (ADT) K220 (CM)
		<b>HECoS code:</b>	100122 (ADT) 100149 (CM)

<b>Faculty</b>	FAST	<b>Module Leader:</b>	David Cheesbrough
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Scheduled learning and teaching hours	36 hrs
Guided independent study	164 hrs
Placement	0 hrs
<b>Module duration (total hours)</b>	200 hrs

<b>Programme(s) in which to be offered (not including exit awards)</b>	Core	Option
BSc (Hons) Architectural Design Technology	✓	<input type="checkbox"/>
BSc (Hons) Construction Management	✓	<input type="checkbox"/>
HNC Architectural Design Technology	✓	<input type="checkbox"/>
HNC Construction Technology	✓	<input type="checkbox"/>

<b>Pre-requisites</b>
None

**Office use only**

Initial approval: 29/08/2019.	Version no: 1
With effect from: 01/09/2019	
Date and details of revision: 02/04/20 APSC approved HNC awards	Version no:3
25/11/20 HNC title change to HNC Construction Technology with effect from Sep 21	
18/06/21 Administrative change to module code	

## Module Aims

The module aims to provide students with knowledge of the development and control of procurement and tendering practise. On completion of the module they will be able to describe the principles of fair trade and fair economy as it applies to the construction industry

Students will develop an understanding of the principles of macro and micro economics, supply and demand and market structure and operations. This will enable students to more fully understand the overarching economic principles that drive the process of construction

## Intended Learning Outcomes

### Key skills for employability

KS1	Written, oral and media communication skills
KS2	Leadership, team working and networking skills
KS3	Opportunity, creativity and problem solving skills
KS4	Information technology skills and digital literacy
KS5	Information management skills
KS6	Research skills
KS7	Intercultural and sustainability skills
KS8	Career management skills
KS9	Learning to learn (managing personal and professional development, self-management)
KS10	Numeracy

### At the end of this module, students will be able to

### Key Skills

1	Explain how the economics of the Construction Industry influences the development process.	KS1	KS4
		KS5	
2	Produce measurement and quantities of land and buildings.	KS1	KS4
		KS6	KS5
		KS10	
3	Demonstrate an understanding of planning, estimating and scheduling.	KS1	KS4
		KS5	KS6
		KS7	

### Transferable skills and other attributes

- Students will appreciate the role of quantity surveying in the construction industry;
- Students will develop measurement skills relating to quantifying projects;
- Students will understand how quantity surveying aids in the planning and delivery of projects.

## Derogations

None

**Assessment:**

Indicative Assessment Tasks:

The module will be assessed through the production of coursework related to the preparation of a Bill of Quantities and scope for the construction of a simple structure.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration or Word count (or equivalent if appropriate)
1	1,2 & 3	Coursework	100%	4,000

**Learning and Teaching Strategies:**

The learning and teaching strategy will be a series of formal lectures describing the development of the role of the QS in the UK Construction Industry.

The assessment will provide an opportunity for summative feedback to help enhance and develop the student skillset required for Level 5.

**Syllabus outline:**

The lectures will cover:

- Basic Economics;
- Construction Industry structure;
- Measurement techniques;
- The maths required for length, areas, volumes, mass, time;
- Reading drawings and extracting information;
- The Quantifying of Substructure, Superstructures and Finishes;
- Measurement of land and construction work both on plan and through the use of digital information modelling;
- The principles of price and cost estimation for construction activities;
- Finance for construction organisations and cash flow;
- Bills of Quantities for different purposes;
- Preliminaries dayworks, Prime Costs, Provisional Sums and Rates;
- Tendering and Forms of Contract will also be studied;
- Health and Safety.

**Indicative Bibliography:**

**Essential reading**

Cartlidge, C. (2017), *Quantity Surveyors Pocket Book (3<sup>rd</sup> Ed)*, Oxon: Routledge.

AECOM. (2019), *Spon's Architects' and Builders' Price Book (144<sup>th</sup> Ed)*, London: AECOM.

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**Other indicative reading**

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)

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

Students will be guided to online resources during the length of the course and through the VLE.

**Other sources:**

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