

Module Code:	AUR405/AURH405
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Module Title:	Construction Management 1
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Level:	4	Credit Value:	20
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Cost Centre(s):	GABE	JACS3 code:	K190 (ADT) K220 (CM)
		HECoS code:	100122 (ADT) 100149 (CM)

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

Programme(s) in which to be offered (not including exit awards)	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"/>

Pre-requisites
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	
18/06/2021 Administrative change to module code	

Module Aims

The module aims to introduce students to the management of the construction process, from inception through to completion, and beyond. It will recognise the importance of the various players in these processes, including considerations of welfare, accessibility and inclusion.

Students will understand the importance of time, cost and resource management as well as the means of measuring management success and control, for example through Key Performance Indicators, and adherence to Codes of Conduct. Central to this will be the students understanding where their place is if they are in working in the construction industry now, and will be when they find positions in the future.

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

At the end of this module, students will be able to		Key Skills	
1	Describe the management of the process of Construction.	KS1	KS4
		KS5	KS6
2	Plan projects in the context of health, safety, and wellbeing.	KS1	KS5
		KS6	KS7
3	Demonstrate an understanding of the Legislative process and its impact on the Construction Industry.	KS1	KS4
		KS5	KS6
4	Identify personal strengths, understanding of self and areas for development.	KS1	KS2
		KS7	KS8
		KS9	

Transferable skills and other attributes

- Students will develop an understanding of Professional Ethics and working within Codes of Conduct;
- Students will understand the management processes involved in the delivery of various construction projects;
- Students will understand the importance of health, safety, wellbeing and other people-centred approaches within the construction industry and beyond.

Derogations

None

Assessment:

Indicative Assessment Tasks:

The module will be assessed through an individual portfolio drawing together, in the final submission, the student's understanding of the learning outcomes relating to their understanding of the construction process, health, safety, and wellbeing, the socio-economic and legislative context, and the development of their sense of themselves as contributors to the construction industry.

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

Learning and Teaching Strategies:

The learning and teaching strategy has been developed to ensure that students are aware of the processes of construction and to enable them to apply this knowledge to practice situations. There will be a combination of approaches used:

- Key lectures will impart relevant theory and identify best practice examples
- Directed study worksheets will be used to reinforce the application of theory to practice
- Students (Individually and in groups) will be asked to assess scenarios and present solutions for discussion.

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

Syllabus outline:

The module will cover:

- Process and People Management;

- Planning, Scheduling and managing the performance of projects;
- Equality and Diversity;
- The importance of the industry in National and International economics;
- CSR and the effect construction can have on the environment in which it is practised;
- The legal responsibilities pertaining to construction;
- Health, Safety and Wellbeing;
- Reflective practice and managing their learning;
- Industry, clients and society;
- The role and responsibilities of actors in the construction process;
- Individual welfare, wellbeing, accessibility and inclusion;
- The importance of time, cost and resource management;
- External benchmarks and Codes of Conduct;
- Performance management for process improvement;
- Key Performance Indicators (KPIs);
- Management, development, conservation and improvement of the built environment;
- Intellectual property rights associated with built asset;
- Governance and Corporate Social Responsibility within public and private bodies;
- The legal environment and terminology of health, safety and wellbeing;
- Social and economic impact of the national and international construction industry;
- The principles of the legal system related to construction activity;
- Stages in the development process, and role of construction professionals;
- The final part of the module will enable the student to identify personal strengths, understanding of self and areas for development.

Indicative Bibliography:

Essential reading

Harris F. and McCaffer R. (2013), *Modern Construction Management*. Chichester: Wiley.

Sherratt F. (2015), *Introduction to Construction Management*. Abingdon: Routledge.

Other indicative reading

Chartered Institute of Architectural Technologists www.ciat.org.uk

Chartered Institute of Building www.ciob.org.uk

Designing Buildings Wiki 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