

Module specification

When printed this becomes an uncontrolled document. Please access the **Module Directory** for the most up to date version by clicking on the following link: [Module directory](#)

Module Code	AUR493_AURH493
Module Title	Construction Management 1
Level	4
Credit value	10
Faculty	Faculty of Art, Computing and Engineering
HECoS Code	100151
Cost Code	GABE

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
HNC Construction Technology	Option
BSc(Hons) Architectural Design Technology	Option
BSc(Hons) Building Surveying Degree Apprenticeship	Option
BSc(Hons) Building Surveying	Option
BSc(Hons) Construction Management Degree Apprenticeship	Core
BSc(Hons) Construction Management	Core
BSc(Hons) Quantity Surveying Degree Apprenticeship	Option
BSc(Hons) Quantity Surveying	Option

Pre-requisites

There are no pre-requisites for this module.

Breakdown of module hours

Learning and teaching hours	18 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
Total active learning and teaching hours	18 hrs
Placement / work based learning	0 hrs
Guided independent study	82 hrs
Module duration (total hours)	100 hrs

For office use only	
Initial approval date	3 rd July
With effect from date	September 2024
Date and details of revision	
Version number	1

Module aims

The principal aim of 'Construction Management 1' is to explain the role of the construction manager in the development of buildings and infrastructure, and to provide opportunities for students to develop appropriate skills, knowledge, experience and behaviours through a mixture of academic study and the application of knowledge to typical construction management scenarios.

The module also aims to demonstrate how construction managers make a significant contribution to the work of those teams of construction professionals engaged in the development of buildings and infrastructure, through an informed understanding of supervisory responsibilities associated with the role.

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

1	Describe the role and responsibilities of the Construction Manager in terms of the concepts, theories and principles used in construction, and the management of construction.
2	Differentiate the legal, contractual, environmental and technological implications for the management of a construction project, from pre-construction to post-completion.
3	Produce original documentation in response to legal, contractual, environmental and technological constraints for a given set of construction project circumstances.

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.

'Construction Management 1' will be assessed through a series of individual pieces of coursework which will combine in aggregate to arrive at the recommended final assessment mark for the subject. Coursework will comprise a mixture of individual and group tasks that explore central themes in managing the construction process, to replicate situations that construction managers engage in as part of the development of buildings and infrastructure.

The nature of individual pieces of coursework will vary at the discretion of the module tutor, so that learning outcomes are achieved through the application of a range of personal and interpersonal skill sets including effective research, teamwork, technical and financial analysis, interpretation of construction-based scenarios and the effective use of appropriate digital technologies and software.

Coursework will comprise at least three discrete sets of tasks, including at least one in the form of a group exercise, all of which will seek to provide students opportunities to

demonstrate knowledge and understanding of theoretical and technical aspects in managing the construction of buildings and infrastructure.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1,2 & 3	Coursework	100

Derogations

There are no derogations associated with this module.

Learning and Teaching Strategies

Learning and teaching strategies in the context of 'Construction Management 1' will accommodate both didactic and scenario-based opportunities to ensure that students gain knowledge and understanding through traditional teaching delivery, and are able to contextualise it through the interpretation of scenarios based upon typical situations that arise in preparing for and managing the construction process. Delivery will incorporate the principles of the University's Active Learning Framework (ALF), so that learning opportunities are both synchronous and asynchronous, and are supported by an accessible range of material resources.

Class-based study will comprise didactic sessions that consider theoretical and technical constructs in managing building and infrastructure projects and will therefore be informed by associated legal and regulatory frameworks, construction technologies, components and systems, the control of cost, quality and time, the mitigation of risk in terms of health, safety, welfare and environmental impact, and the application of established best-practice in terms of process and control.

Scenario-based content will seek to cover circumstances associated with all stages of the construction management process from pre-construction to post-completion, so that students gain an informed understanding of the stages and sequence of preparing for and implementing construction and infrastructure projects from start to finish.

In the design of scenario-based coursework, module tutors are expected to develop prevailing circumstances that reflect the sorts of common issues that occur in the management of construction, so that students can interpret, mitigate and manage risk in a range of construction contexts. Such scenarios should require students to consult and cite authoritative legal and regulatory policy documents, and to consider established best practise in formulating their responses.

To satisfy the requirements of LO3, students will be required to produce original documentation as described, using digital resources to manage and communicate information in a way that reflects contemporary industrial practice.

Indicative Syllabus Outline

The role and responsibilities of the Construction Manager:

- effective communication with duty holders and stakeholders
- the project management cycle
- economics, socio-economics and costs
- health, safety and wellbeing
- legal and regulatory frameworks in Wales and the UK
- new-build, refurbishment and, maintenance

- environmental impact, sustainability and quality of life

The construction management process:

- digital technologies in managing construction
- materials and components
- the construction process
- managing the construction process
- health, safety and wellbeing
- hazard identification and risk assessment
- contract management
- contract administration

Indicative Bibliography:

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

Essential Reads

Sherratt, F., & Farrell, P. (2022), *Introduction to Construction Management* (2nd ed.) Abingdon: Taylor & Francis Ltd.

Other sources:

Fewings, P., & Henjewe, C. (2019), *Construction Project Management: An Integrated Approach* (3rd, new ed.) Abingdon: Taylor & Francis Ltd.

Harris, P. F., McCaffer, P., Baldwin, A., & Edum-Fotwe, F. (2021), *Modern Construction Management* (8th ed.) New York: John Wiley And Sons Ltd.

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

Royal Institute of British Architects www.architecture.com

Chartered Institute of Building www.ciob.org.uk

Ordnance Survey www.ordnancesurvey.co.uk/

Royal Institution of Chartered Surveyors www.rics.org

Institution of Civil Engineers www.ice.org.uk

Designing Buildings Wiki www.designingbuildings.co.uk

Institution of Structural Engineers www.istructe.org.uk

IHS Database www.ihsti.com