Module Definition Form (MDF)

Module code: MOD008160	**Version:** 3 **Date Amended:** 28/Jun/2024

1. Module Title
Health and Safety, Project Control and Resourcing

2a. Module Leader
Richard Brett

2b. School
School of Engineering and the Built Environment

2c. Faculty
Faculty of Science and Engineering

3a. Level
4

3b. Module Type
Standard (fine graded)

4a. Credits
30

4b. Study Hours
300

5. Restrictions			
Type	**Module Code**	**Module Name**	**Condition**
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:	FdSc Surveying, FdSc Construction Management, BSc (Hons) Building Surveying, BSc (Hons) Construction Management, BSc (Hons) Quantity Surveying.		

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

This module will provide you with an introduction to the principles and application of management as they relate to the professional disciplines of the construction industry. You will gain understanding of management principles and their relevance to the processes of design, construction and maintenance of the built environment. You will also learn how these principles may be applied to the management of construction projects through case studies. The module will also consider the importance of an awareness of the well-being of those around you as well as your own well-being.

You will consider the process of briefing, design, procurement, tendering and then setting up a site along with the importance of planning and organising work. Non-adversarial multi-discipline team working will be examined with reference to relevant procedural models such as the RIBA Plan of Work.

The module provides you with opportunity to examine health and safety issues within the construction industry and their integration throughout the processes of design, tender award and construction. The roles of all parties involved are explored from both moral and legal viewpoints. Past and current attitudes will be discussed. You will consider the safety record within the construction industry and identify health and safety legislation aimed at reducing accident rates. The process of hazard identification and risk assessment will be explained and you will produce method statements following on from your risk assessments. Safe systems of work are identified enabling you to relate theory and practice.

6b. Outline Content

Knowledge and Understanding

- Develop an understanding of the principles of management, the work of pioneers and founders of management, their evolution and application to modern day practice.
- Explain the principles and processes of management: forecasting, planning, organising, motivating, controlling, co-ordinating and communicating.
- Explain the life cycle of a construction project from initial inception through to use and ultimately disposal through reference to the RIBA Plan of Work and similar.
- The importance of planning and organising resources to manage the cost, time and quality of a construction project throughout its lifecycle.
- Safety record of the construction industry.
- Development of law in matters of safety.
- Current Acts and Regulations and the responsibilities that flow from them, including the functions under CDM of the principal designer, principal contractor, other contractors and the client.
- Preparation and use of method statements.
- Hazard spotting and risk assessment.
- Develop an understanding of the need to monitor and assess the well-being of self and others.
- Integration of safety management within business systems; ISO18001.

Skills Analysis

- Communication by written report.
- Problem-solving in relation to management concepts.
- Making informed judgements based on evidence.
- Access legal sources and understand the language of law.
- Act in an ethical manner.

6c. Key Texts/Literature

The reading list to support this module is available at: https://readinglists.aru.ac.uk/

6d. Specialist Learning Resources

None

7. Learning Outcomes (threshold standards)		
No.	**Type**	**On successful completion of this module the student will be expected to be able to:**
1	Knowledge and Understanding	Possess an understanding of the principles of management, the work of pioneers and founders of management theories, their evolution and application to modern day practice.
2	Knowledge and Understanding	Appreciate the life cycle of a construction project, the various phases through which it will pass, and the interrelationships and responsibilities of the various professionals involved in the projects design, production and use.
3	Knowledge and Understanding	Demonstrate a general awareness of health and safety legislation applicable to construction projects throughout their life cycle.
4	Knowledge and Understanding	Demonstrate a knowledge of the health and safety legislation which relates specifically to the setting up and running of a construction site.
5	Intellectual, practical, affective and transferrable skills	Be able to link management theories with the various activities and practices involved in the design, construction and use of a construction project.
6	Intellectual, practical, affective and transferrable skills	Undertake risk assessments associated with the hazards in the context of a construction site and demonstrate how the risks are managed by the development and implementation of a safety method statement, which will ensure a safe system of working on site.

8a. Module Occurrence to which this MDF Refers				
Year	**Occurrence**	**Period**	**Location**	**Mode of Delivery**
2026/7	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	**Hours**	**Learning Outcomes**	**Details of Duration, frequency and other comments**
Lectures	48	1-6	4 hours a week
Other teacher managed learning	24	1-6	Practical Activities - 2 hours a week
Student managed learning	228	1-6	Private Study
TOTAL:	300		

9. Assessment for the above Module Occurrence

The assessment for some modules includes a presentation (see below for details on how this particular module is assessed). We recognise that presenting, especially to a large group, can cause significant anxiety or distress for some students. If this may affect you, please contact your Module Leader or the Disability and Neurodiversity Service as early as possible. We will work with you to consider appropriate reasonable adjustments. Depending on your individual needs, these might include, for example, presenting to a smaller group or presenting only to a member of academic staff.

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Coursework	1,3,4,5	50 (%)	Fine Grade	30 (%)
Portfolio of documents to show how to safely monitor and control resources on a construction project (2000 word equivalent)					

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
011	Coursework	2,3,6	50 (%)	Fine Grade	30 (%)
Report (2000 word equivalent)					

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*).

In addition, students are required to:
(a) achieve the qualifying mark for each element of fine graded assessment as specified above
(b) pass any pass/fail elements

[* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]