

Module Details	
Module Title	Construction Management
Module Code	CSE7008-B
Academic Year	2022/3
Credits	20
School	Department of Civil and Structural Engineering
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Lectures	32
Tutorials	8
Directed Study	160

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2

Module Aims
To provide students with an understanding of the concepts and techniques of construction management with reference to their use in an engineering, design and technological organisational built environment.

Outline Syllabus
The Construction Management definition and Construction Activity Documentation, The role of a Contractor and the role of the Client, Procurement strategies, Client contract documentations, Types of contracts and case studies of unsuccessful choice of contracts, Contract management, Project investment decision-making process; Tendering and estimation from the client point of view. The project life cycle, The role of the Construction Manager, Scheduling and sequencing for estimating purposes. Tendering and estimation from the contractor point of view. Project organisation and responsibilities. Case studies of successful and unsuccessful projects delivery by contractors and the analysis of the management lessons. Integration of BIM principles into contemporary construction management.

Learning Outcomes	
Outcome Number	Description
01	Critically review the key principles of construction management.
02	Apply construction management techniques appropriately.
03	Interpret data and solve problems.

Learning, Teaching and Assessment Strategy
The module is delivered as a continuous dialogue with students on their understanding of the most important principles of Construction Management, using a series of presented lectures supported by tutorials including video material and case studies. At least one guest speaker will provide further accounts of industrial experience on specific topics. The exposure of students to industry knowledge in the field is very important, being an MEng and MSc final year. Case studies will be discussed in the class and questions for each presentation should be revised. The revision of the whole syllabus is done in the last week of the teaching semester and again before the examination takes place. The summative coursework will focus on the decision making processes that are typically associated with the management of construction projects, whilst the examination will cover all other areas.

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Coursework - Written	Essay 2500 words	30%
Summative	Examination - Closed Book	Closed book examination (3 hours)	70%

Reading List
To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.