UCEM

UNIVERSITY COLLEGE
OF ESTATE MANAGEMENT

Project Management in the Built Environment

Module Descriptor

Module Code:	BSU6PRM
Version:	1.00
Status:	Final
Date:	28/02/2024

Summary Module Details

Module details

Module Title: Project Management in the Built Environment

Module Leader: Nicola Allen

Module Mode: Supported online learning

Semester: Autumn (UK)

Level: 6

Credits: 20

Learning Hours: 200

Contact & Study Hours

Directed Study Time: 90hrs (45%)

Self-directed Study Time: 50 hrs (25%)

Assessment Study Time: 60 hrs (30%)

Assessment Type

Coursework: 0%

Computer Based Assessment: 0%

Portfolio: 100%

Presentation: 0%

Project: 0%

Practical: 0%

Self-directed Research: 0%

Module Summary

This module provides students with knowledge and understanding of the principles of the projects in the built environment. This can include management, programming, procurement, risk assessment, conflict avoidance and design and construction process and systems.

Taken on which Programmes

BSc (Hons) Building Surveying (C)

BSc (Hons) Architectural Design Technology (C)

Core (C) or Elective (E)

Module Aims

This module aims to:

- Provide students with knowledge and understanding of project management principles and their application within projects in the built environment, focusing particularly on commercial aspects, procurement, design economics, client management, and technology use.
- Provide students with an appreciation of how statutory requirements influence the design and planning of building adaption and to apply knowledge gained in earlier study to this module.
- Develop students previous knowledge and provide context to procurement strategies, risk management, client care, contract administration.
- Develop students knowledge and understanding of design economics and cost planning in the context of building lifecycle and project financial control.

Module Learning Outcomes

LO1. Demonstrate knowledge and understanding of project management methods and strategies, that are applied in the management of stakeholders, the project team, and people in construction projects.

LO2. Demonstrate an understanding of the function of project management in property, construction, and the project lifecycle; and of the concepts, theories, principles, and techniques associated with construction project management at strategic and operational level.

LO3. Apply knowledge and understanding in providing professional advice in procurement strategies, contract administration, dispute resolution, risk management and program management.

LO4. Demonstrate the application of Building Information Modelling (BIM) in project management, focusing on collaborative, technical, and process aspects.

Indicative Module Content

Module topics

- **Commercial Project Management**

  This topic explores the complexities of project management, focusing on client briefs, stakeholder management, risk management throughout the project and identifying potential risks and implementing proactive mitigation strategies, taking into consideration programme of works, and the process of appointing a client professional team, ensuring a well-balanced and skilled group for successful project delivery. As part of the commercial project management, consideration of balancing cost and quality is key to project feasibility and defining and measuring Key Performance Indicators (KPIs) and considering the importance of Health and Safety and sustainability of projects.

- **Contract Management**

  This topic builds upon previous modules regarding contract administration, consider Design and Build Contract, and explore the procurement routes associated with

Design and Build contracts and consider the advantages, challenges, and decision-making criteria associated with each method, and gain an understanding and application in different scenarios. Within contract management, consideration of the tendering requirements/process, including bid evaluation, and the legal and procedural requirements governing the process. As part of the contract management process, the understanding, of the importance of life cycle costings, the contract administration process, and ensuring quality management throughout the contract, through to commissioning and completion of the project.

- **Building Information Modelling – Soft Landings**

This topic equips building surveyors with advanced project management skills, emphasizing the integration of Building Information Modelling (BIM) and Soft Landings methodologies, and consider the basic principles of BIM and explore its applications in project management, from conceptualisation to execution.

This content will be reviewed and updated regularly to reflect the legal, ethical, and financial changes in professional standards and practice.

Overview of Summative Assessment

Module learning outcomes	Assessment	Word count or equivalent	Weighting
LO1, LO2, LO3, LO4	**Assessment 1** Portfolio	5,000	100%

Module Pass Mark (as a weighted average of all assessments): 0%

Key Module Learning Resources

Core Sources and Texts

The core reading resources within each module will be provided via the specific Virtual Learning Environment (VLE) module pages and within the e-Library. Additional reference material and supplementary resources to support your studies are available through the UCEM e-Library.

Module tools

Students will have access to study materials, dedicated academic support, student forums, and learning activities via an online learning platform (VLE).

The module page on the VLE is broken down into structured study weeks to help students plan their time, with each week containing a mixture of reading, case studies, videos/recordings, and interactive activities to go through. Online webinars/seminars led by the Module Leader can be attended in real time and provide opportunities to consolidate knowledge, ask questions, discuss topics and work through learning activities together. These sessions are recorded to support students who cannot attend and to enable students to recap the session and work through it at their own pace. Module forums on the VLE provide further opportunities to discuss topics with other students, complete collaborative work and get extra help from the module team.

Professional online resources

The e-Library provides access to trusted, quality online resources, selected by subject specialists, to support students' study. This includes journals, industry publications, magazines, academic books, and a dissertation/work-based library. For a list of the key industry specific and education resources available please visit the VLE e-Library.

Other relevant resources

Access is also provided to further information sources that include the British Library and Open University UK catalogues, as well as providing a monthly current awareness service entitled, *Knowledge Foundations* - a compendium of news, research and resources relating to the educational sector and the Built Environment.

The module resource list is available on the module VLE page and is updated regularly to ensure materials are relevant and current.