



UNIVERSITY COLLEGE
OF ESTATE MANAGEMENT

Contemporary Quantity Surveying Practice

Module Descriptor

Module Code:	QSP6QSP
Version:	5.00
Status:	Final
Date:	28/02/2024

Summary Module Details

Module details

Module Title: Contemporary Quantity Surveying Practice

Module Leader: Michelle Eze

Module Mode: Supported online learning

Semester: Autumn (UK)

Level: 6

Credits: 20

Learning Hours: 200

Contact & Study Hours:

Directed Study Time: 90 hrs (45%)

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

Assessment Study Time: 60 hrs (30%)

Assessment Type:

Coursework: 40%

Computer Based Assessment: 60%

Portfolio: 0%

Presentation: 0%

Project: 0%

Practical: 0%

Self-directed Research: 0%

Module Summary

This module is designed to provide students with a comprehensive understanding of the professional and contemporary practices in quantity surveying and will explore a range of issues and challenges within the profession in the UK and globally. The module will cover essential skills, knowledge, tools, and the latest sustainability advancements required in today's dynamic construction and business environment.

The significant changes experienced in the construction industry globally over the past decade have required quantity surveyors to adapt their traditional practices and embrace new philosophies, technologies, and tools, in order to remain effective and efficient in the built environment.

This module therefore provides students with an opportunity to develop the knowledge, understanding and skills required to operate in a dynamic and contemporary construction environment.

Taken on which Programmes

BSc (Hons) Quantity Surveying (C)

Core (C) or Elective (E)

Module Aims

This module aims to:

- Develop core competencies and foster awareness of contemporary Quantity Surveying (QS) practices. This includes developing skills in pre and post contract management, procurement, and the ability to use modern technology such as BIM to promote collaborative practices.
- Foster critical thinking and problem-solving skills. Through case studies, practical exercises, and real-world scenarios, students will learn how to analyse complex construction projects, identify cost-related challenges, and propose innovative solutions.
- Explore sustainability in quantity surveying practice. Students will examine sustainable construction practices and build upon the ethical considerations explored in previous modules relating this to procurement, value, and risk management.

Module Learning Outcomes

- LO1. Examine the key aspects of professional quantity surveying practice, including contemporary developments and the relationship with project stakeholders.
- LO2. Analyse sustainable advancements and integrate sustainable construction principles and methods into processes and decisions for procuring construction projects.
- LO3. Demonstrate the ability to adapt to the evolving nature of the construction industry by staying informed about the latest industry trends and technological advancements.
- LO4. Critically analyse complex issues in construction procurement, supply chain management, pre- and post-contract risk and financial management and recommend appropriate solutions.

Indicative Module Content

Module topics

- **The development of QS profession**
Review the historical perspective, evolution and international awareness of the role and responsibilities of a quantity surveyor and the importance of sustainability. Explore the Quantity Surveyors role with regards to the various methods of dispute resolution and identify situations where professional legal advisors should be involved.
- **Digital Technologies and the Quantity Surveyor**
Understanding the digital revolution in the construction industry, in-depth exploration of BIM. introduction to AI, internet of things, cloud-based platforms, explore emerging trends and predictions.
- **Sustainable Construction and Environmental Practices**
Explore sustainability principles, carbon counting, sustainable certifications like BREEAM, and strategies for minimizing waste and reusing materials

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- **Integration of Value and Risk Management in Procurement and Supply Chain Processes**

Explore the integration of value and risk management techniques within strategic procurement processes, their impact on supply chain management and how this integration enhances and optimises project value at different stages of the project lifecycle.

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	Assessment 1 Coursework	2,000	40%
LO2, LO4	Assessment 2 Computer Based Assessment (CBA)	3,000	60%

Module Pass Mark (as a weighted average of all assessments): 40%

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 in collaboration with industry employers and SMEs 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,

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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.