

Programming and Planning

Module Descriptor

Module Code: QSP5PPL
Version: V3.00
Status: Final
Date: 27/03/2026

Summary Module Details

Module details

Module Title: Programming and Planning

Module Leader: Priti Lodhia

Module Mode: Supported online learning

Semester: Autumn (UK) and Spring (UK)

Level: 5

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

Computer Based Assessment: 75%

Practical: 25%

Module Summary

This module develops an understanding of the principles and techniques of programming and planning on construction projects. It particularly focuses on the quantity surveyor's role with regards to programming and planning to manage and monitor the financial and programme aspects of a construction project. The module will develop the students understanding of planning and programming techniques used for planning and forecasting expenditure. It will discuss the importance of a project programme and the principles of how a programme is affected by change and its subsequent impact on cost.

Taken on which Programmes

BSc (Hons) Quantity Surveying (C)

Core (C) or Elective (E)

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Module Aims

This module aims to:

- Outline the importance of managing time on a construction project and its impact on cost.
- Provide an understanding of the techniques used in planning and programming of construction works.
- Examine the role the programme plays in various suites of contract.

Module Learning Outcomes

- LO1. Discuss the importance of the project programme in planning construction work.
- LO2. Discuss the principals of financial and programme monitoring of projects.
- LO3. Examine and explain the various types of programmes and schedules used as part of planning and programming and their role depending on the form of contract used.
- LO4. Apply techniques learned to create a simple critical path analysis.

Indicative Module Content

Module topics

- **Importance of managing time**

Time and resource management. Understand the importance of managing time, the impact of time delays on cost, the need for programming to accurately forecast labour, plant, and materials.

- **Principals of financial and programme monitoring**

Planning techniques, forecasting expenditure.

- **Types of programmes and schedules used as part of planning and programming**

The techniques used such as cash flow forecast, Gannt charts, critical path network analysis. etc

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- **The role of the programme under various suites of contract.**

The role of the programme under various suites of contracts such as JCT, NEC and FIDIC.

This content will be reviewed and updated regularly to reflect the legal, moral 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 Computer Based Assessment (CBA)	3,000 word equivalent	75%
LO4	Assessment 2 Practical	1,000	25%

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 University 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

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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.