

Integrated Management Project

Module Descriptor

Module Code: PRJ6IMP

Version: 7.00

Status: Final

Date: 30/03/2021

Summary Module Details

Module details

Module Title: Integrated Management Project

Module Leader: TBC

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: 50hrs (25%)

Assessment Study Time: 60hrs (30%)

Assessment Type:

Coursework: 0%

Computer Marked Assessment: 0%

Self-directed Research Project: 0%

Portfolio: 100%

Module Summary

This module is designed to integrate the skills and knowledge developed during the programme into a major piece of work and allow the student to demonstrate an understanding of site management techniques applied to real-life scenarios. It will allow the student to work as a member of a team, co-ordinating skills and abilities.

Taken on which Programme

BSc (Hons) Construction Management (C)

Core (C) or Elective (E)

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Module Aims

This module aims to:

- Challenge environmental issues, and methods of controlling production;
- Encourage an understanding and critical evaluation of aspects of construction management being carried out in practice, from a global perspective;
- Enable students to work effectively as a member of a team, including those made up of individuals from different locations (world-wide) and cultures;
- Develop the integration of sustainable technologies and systems in the building design and production process.

Module Learning Outcomes

- LO1. Critically analyse the key aspects of construction management, including the scientific principles relevant to building design, performance and the setting of standards.
- LO2. Independently research, collect and synthesise information from a variety of sources, and select and apply appropriate critical analysis and appraisal techniques.
- LO3. Evaluate construction management issues and determine sustainable solutions.
- LO4. Operate and communicate effectively as part of a team, and present work professionally in a report.

Indicative Module Content

Module topics

- **Procurement**
Methods of procurement, advantages and disadvantages of each specifically related to a particular project. Subcontractor selection methods, with regard to sustainable credentials.
- **Planning operations**
Production of construction programmes using project management software. Resource management for a particular project. Methods of manpower sourcing and maintaining throughout a project's duration.
- **Health and safety**
The identification of health and safety issues for a particular project. Risk assessment for specified construction operations. Critical assessment of construction operations with regard to health, safety and welfare and environmental sustainability.
- **Site security**
Assessment of the vulnerability of a construction site. Methods of providing perimeter security, up to date methods of providing site security.

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- **Site operations**

Recycling and reuse of materials. Production techniques. Specifications for construction. Just in time delivery techniques. Waste minimisation, sustainable construction.

- **Communication**

Liaison with interested parties. Meeting and modern methods of conducting meetings. Ethical behaviour and the management of ethics on construction projects. Site management leadership in sustainable solutions.

- **Management issues**

Motivation and remuneration. Productivity work study. Recruitment of site-based personnel.

- **Quality**

Quality assurance methods on site. Skill level of operatives. Rectification of defective work. Environmental sustainability.

- **Financial management**

Cost value reconciliation, cost coding systems, cash flow forecasting, monitoring and controlling costs.

- **Legal aspects**

Rights and liabilities, liquidation.

- **Problem solving exercise 1**

This task is given during the year approximately mid-way through the integrated management project.

- **Problem solving exercise 2**

This task is given during the year approximately mid-way through the integrated management project.

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
	Assessment 1		
LO1, LO2, LO3, LO4	Group report	2,000	40%
LO1, LO2, LO3	Individual contribution to the report	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 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.

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