WM270-15 Project Management and Leadership

24/25

Department
WMG
Level
Undergraduate Level 2
Module leader
Sabarinath Krishnan
Credit value
15
Module duration
3 weeks
Assessment
100% coursework
Study locations
University of Warwick main campus, Coventry Primary
Distance or Online Delivery

Description

Introductory description

Delivering successful projects depends on a blend of effective management and inspiring leadership. Effective project management practices enable organisations to control factors impacting project outcomes, ensuring timely delivery within cost and scope constraints. Project managers must exhibit strong leadership qualities to motivate teams and achieve goals. Effective management involves meticulous planning, organising, monitoring activities, resources, and processes, employing proven methodologies and tools. Simultaneously, leadership entails setting a clear vision, communicating effectively, empowering team members, making informed decisions, and adapting to changes. By seamlessly integrating management and leadership competencies, project managers create environments conducive to success while nurturing team growth and development.

Module web page

Module aims

This unit will allow participants to explore the project landscape and evaluate principles,

methodologies and techniques used in industry to execute, manage and effectively deliver projects. Participants will discuss the importance of effective planning, monitoring and controlling projects in order to ensure they are successfully delivered within time, cost and scope constraints. Participants will analyse the Project Life Cycle. This will involve comparing and contrasting Waterfall and Agile models and evaluating factors that influence the choice of project management methodology. Participants will also explore the nature and importance of leadership in project management and evaluate different leadership styles.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

- Introduction to projects and project management
- Project Organisation & Strategy
- Project Management Methodologies
- Organisational Structures and the Project Management Office
- Project Planning, Monitoring and Control
- Stakeholder management
- Project communication
- Project Quality Management
- Risk identification, analysis, and management
- Project planning & Networks
- Project Management for New Product Development
- The Project Team
- Leadership and Project Management

Learning outcomes

By the end of the module, students should be able to:

- Apply and evaluate fundamental project management concepts , tools and techniques within a project environment
- Critically analyse the traditional (waterfall) and Agile project life cycle used in delivering engineering projects and evaluate key factors that influence choice of project management methodology.
- Evaluate project management techniques used to successfully deliver engineering projects within time, cost, and scope constraints
- Analyse the critical roles of effective leadership and management in ensuring success of engineering projects.

Indicative reading list

Reading lists can be found in Talis

Specific reading list for the module

Subject specific skills

Project Planning
Project Scheduling
Project Monitoring and Control
Teamworking
Leadership
Communication

Transferable skills

Decision Making Skills
Problem solving skills
Organisational skills
Communication skills
Critical thinking

Study

Study time

Type	Required
Lectures	16 sessions of 1 hour (11%)
Seminars	5 sessions of 1 hour (3%)
Online learning (scheduled sessions)	9 sessions of 1 hour (6%)
Private study	60 hours (40%)
Assessment	60 hours (40%)
Total	150 hours

Private study description

Online activities to be completed. Independent learning materials, videos, articles and practice questions.

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A3

	Weighting	Study time	Eligible for self-certification
Assessment component			
Post Module Assignment	70%	42 hours	Yes (extension)
An individual report that involves applying and evaluating project management concepts, tools, and techniques, as well as critically reflecting on the roles of leadership and management in delivering successful projects			
Reassessment component is the same			
Assessment component			
In-class Test	30%	18 hours	No
Multiple-choice questions on project management principles are administered through a computer-based format on the online Moodle platform. The reassessment would be an online .The test itself is computer-based and conducted online, implying that if an individual needs to retake the test, it will also be administered online with additional security measures. Moreover, Teams maybe be utilised as a proctored tool to monitor individuals, ensuring that the camera remains on throughout the test.			
Reassessment component			
Presentation			No
Students are required to submit a recording in which they answer a set of questions covering the fundamental concepts of project management.			

Feedback on assessment

Written feedback will be provided for the Post Module Assignment
In-class debrief of performance for the in-class assessment.

Availability

Courses

This module is Core for:

- Year 2 of UWMS-H7C3 Undergraduate Applied Professional Engineering (Control/Technical Support Engineer)
- Year 2 of DWMS-H7C7 Undergraduate Applied Professional Engineering (Control/Technical Support Engineer) (Degree Apprenticeship)
- Year 2 of UWMS-H7C2 Undergraduate Applied Professional Engineering (Electrical/Electronic Support Engineer)
- Year 2 of DWMS-H7C6 Undergraduate Applied Professional Engineering (Electrical/Electronic Support Engineer) (Degree Apprenticeship)
- Year 2 of UWMS-H7C1 Undergraduate Applied Professional Engineering (Manufacturing Engineer)
- Year 2 of DWMS-H7C5 Undergraduate Applied Professional Engineering (Manufacturing Engineer) (Degree Apprenticeship)
- Year 2 of UWMS-H7C4 Undergraduate Applied Professional Engineering (Product Design and Development Engineer)
- Year 2 of DWMS-H7C8 Undergraduate Applied Professional Engineering (Product Design and Development Engineer) (Degree Apprenticeship)