

# WM9G3-15 Project Management in Practice: Applications and Implementation

**26/27**

**Department**

WMG

**Level**

Taught Postgraduate Level

**Module leader**

Lydia Adigun

**Credit value**

15

**Module duration**

4 weeks

**Assessment**

100% coursework

**Study location**

University of Warwick main campus, Coventry

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## Description

### Introductory description

The subject of Project Management (PM) is a fast moving and ever changing area of study. This module includes pedagogic approaches which provide variety through delivering teaching and learning and assessment in PM applications in engineering, construction and Information Technology (IT). Not only is there variety, but also an understanding of the relationships within the project context are introduced, in a practical sense, through e.g. industrial visits and/or seminars. Synergies between the three themes of engineering, construction and IT project management will also be developed through the module, and learning within these three themes will provide opportunities for the cross fertilisation of ideas, and thereby the development of critical thinking within this context.

### Module aims

This module aims to provide full time students with an appreciation and knowledge of Project Management in practice.

Using a case study approach, the module aims to provide students with a systematic understanding of the Industrial Application of Project Management in a number of industry sectors. The module also aims to provide students with the ability to critically appraise and evaluate the application of PM tools and methods in practice.

## 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.

PM methodologies appropriate to the area of application of tools and methods will form part of the case study approach to each of the key areas of PM application. The PM methodologies will provide a thread through the module and will provide a structure which frames the module, and will include but will not be limited to methodologies and approaches: Managing Successful Projects, PRINCE2, APM, Agile.

Review and critical appraisal of project management methodologies applied within a variety of existing and emerging contexts. For example:

Information Technology (IT) and Information System (IS) Project Management

Managing the planning, organisation, and accountability to achieve information technology and information system goals. IT and IS projects. Digital project management; planning, organising and delivery of web-enabled projects. Artificial intelligence. Internet, intranet, web-based systems. Agile project management. People and management in IT and IS.

Engineering Project Management

Design, build, test and installation projects. Service and maintenance. Systems engineering and manufacturing. Social responsibility, sustainability, environmental standards, engineering standards. Quality management. Requirements management. Creating costings for engineering projects. Understanding the end user's requirements. Verification and validation. Managing communication across engineering projects. Risk and opportunity management. People and management in engineering.

Construction Project Management

Building the client business case. Digital construction. Sustainable delivery of construction projects. Design management and value. Construction procurement. Contract law. Construction project risk management. Project briefing, key design and development issues in construction projects, procurement strategies for construction projects, organisational structures, legal and contractual constraints and people management skills in the construction industry environment.

Independent online study (timetabled sessions) will be made up of virtual learning based around examples of industrial applications of a variety of project management tools and methods.

## Learning outcomes

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

- Critically appraise how projects are managed in practice, drawing on collaborative engagement, to develop a comprehensive understanding of a range of project management methodologies and approaches
- Evaluate current research and advanced scholarship in order to identify key factors for

consideration in the selection of Project Management methodologies and approaches across a range of practice settings

- Critically analyse current problems and challenges in the application of Project Management in practice, and with reference to research and practice, consider and develop novel approaches and/or solutions
- Evaluate complex issues both systematically and creatively through comparison and contrast of Project Management methodologies and approaches across a range of practice settings, and thereby suggest areas for improvement

## **Indicative reading list**

[Reading lists can be found in Talis](#)

[Specific reading list for the module](#)

## **Subject specific skills**

Project Management methodologies and approaches and their application in practice include but are not limited to: APM Methodology, PRINCE2, Agile, Traditional Waterfall Project Management.

Enterprise Project Management. To recognise and select appropriate methods and tools from a range of Project Management methodologies and approaches, which enable the successful execution of a variety of types of projects, including design and development projects, business strategy projects and operational improvement projects.

Blending project management methodologies with proven business strategies and frameworks, such as Six Sigma, agile, Scrum, quality management, risk management, and business analysis.

Strategic planning and positioning and role of the project office, governance and capacity planning in organisations.

Project benchmarking and continuous project improvement, current and new project management models.

Project Manager technical, business, and strategic planning and thinking skills in a range of types of project. Knowledge and best practices to support sustainable initiatives. Project sustainability in the global economy through values, leadership, and professional responsibility.

## **Transferable skills**

Communication skills: written, oral and presentation. Analytical and critical thinking. Problem solving. Team work. Active reflection on learning. Planning and personal development skills. Initiative and personal responsibility.

Professionalism, organisational Awareness and digital literacy.

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## **Study**

## Study time

Type	Required
Lectures	20 sessions of 1 hour (13%)
Seminars	4 sessions of 1 hour (3%)
Practical classes	6 sessions of 1 hour (4%)
Online learning (independent)	10 sessions of 1 hour (7%)
Other activity	50 hours (33%)
Assessment	60 hours (40%)
Total	150 hours

## Private study description

No private study requirements defined for this module.

## Other activity description

Six hours will be allocated for the industry case study. Additional activities will include self-study hours and group work, conducted either online or face-to-face.

## Costs

No further costs have been identified for this module.

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## Assessment

You must pass all assessment components to pass the module.

### Assessment group A5

Assessment component	Weighting	Study time	Eligible for self-certification
Individual Module Assignment	70%	42 hours	Yes (extension)

An individual piece of written work, involving reflection and critical evaluation of PM tools and methods observed in practice based on a case study and supported by relevant project management academic theory and its' implementation, in the context of industry exposure.

	<b>Weighting</b>	<b>Study time</b>	<b>Eligible for self-certification</b>
<b>Reassessment component</b>			
Individual Module Assignment			No
An individual piece of written work, involving reflection and critical evaluation of PM tools and methods observed in practice based on a case study and supported by relevant project management academic theory and its' implementation, in the context of industry exposure.			
<b>Assessment component</b>			
Group presentation	30%	18 hours	No
A group presentation in which students share key insights from their group work, focused on a case study or comparing case studies related to the application of project management approaches in enterprise contexts.			
<b>Reassessment component</b>			
Individual Reflection			No
An individual critical reflection requiring students to evaluate and apply project management approaches within a project context, drawing on insights from collaborative practices or comparable project scenarios, and to propose well-justified recommendation			

## Feedback on assessment

Written and formative feedback will be provided.

## Availability

### Courses

This module is Optional for:

- TWMS-H1SB Postgraduate Taught Programme and Project Management (Full-time)
  - Year 1 of H1SB Programme and Project Management (Full-time)
  - Year 1 of H1SB Programme and Project Management (Full-time)