

WM9RJ-15 Sustainability in Project Management

26/27

Department

WMG

Level

Taught Postgraduate Level

Module leader

Georgios Kapogiannis

Credit value

15

Module duration

4 weeks

Assessment

100% coursework

Study location

University of Warwick main campus, Coventry

Description

Introductory description

Sustainability is a critical dimension of contemporary programme and project management. This module equips learners with the principles, tools, and strategic frameworks needed to integrate sustainability across the full lifecycle of projects and programmes using blended and interdisciplinary learning approach. Moreover, it fosters a systems-thinking approach, enabling the evaluation of environmental, social, and economic interdependencies—including Environmental, Social and Governance (ESG), Circular Economy and Social Development Goals considerations—in shaping value-driven outcomes.

Module aims

This module aims to equip students with the knowledge and skills required to integrate sustainability into the design, delivery, and evaluation of programmes and projects. It develops advanced competence in applying legal, ethical, financial, and regulatory considerations within sustainability-focused programme and project environments. The module also fosters analytical and critical thinking to assess the strategic implications of sustainable practices, including circular economy principles, across project and programme lifecycles. Finally, the module prepares learners to lead change and embed sustainability within cross-

functional, multidisciplinary teams across both public and private sector contexts.

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.

- Foundations of Sustainability in Project and Programme Management
- Sustainable Strategy and Organisational Integration
- Systems Thinking and Interdependency Analysis
- Environmental, Social and Governance (ESG) Frameworks
- United Nations Sustainable Development Goals (SDGs)
- Legal and Regulatory Frameworks for Sustainable Delivery
- Tools and Techniques for Sustainable Projects
- Circular Economy and Closed-loop Systems
- Sustainable Procurement, Resource Management, and Financial Considerations
- Stakeholder Engagement, Ethics, and Social Responsibility
- Leadership and Change Management for Sustainable Transformation
- Emerging Technologies for Sustainability in Projects and Programmes
- Case Studies and Real-world Applications
- Trends and Innovations in Sustainability

Learning outcomes

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

- Apply sustainability-related legal and regulatory frameworks in programme and project environments.
- Apply theories of leadership, innovation, and practical applications within sustainable programme and project environments.
- Integrate sustainable practices into planning, execution, financial, circular economy and strategic management of projects and programmes.
- Evaluate the ethical, digital, environmental, and strategic impacts of sustainability on small- and large-scale projects, and multiple-programme contexts.

Indicative reading list

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

[Specific reading list for the module](#)

Interdisciplinary

This module embodies Warwick's interdisciplinary ethos by integrating knowledge, methods, and perspectives drawn from multiple academic and professional domains to address the complex challenge of sustainability in programme and project management.

It brings together environmental science, engineering, social science, economics, law, technology,

and management studies, enabling students to analyse sustainability through multiple lenses rather than a single disciplinary viewpoint. Students engage with ESG frameworks, circular economy theory, regulatory policy, financial modelling, behavioural insights, systems-thinking approaches, and emerging digital technologies such as BIM and AI.

The teaching and assessment encourage learners to synthesise these diverse perspectives, evaluate trade-offs, and design sustainability strategies that reflect environmental, social, economic, ethical and organisational considerations. Through case studies and collaborative work, students practise communicating across disciplinary boundaries and integrating evidence from varied knowledge domains to produce solutions that are viable, innovative, and contextually grounded.

In doing so, the module directly mirrors Warwick's definition of interdisciplinarity: bridging disciplines, combining methods, and applying integrated thinking to real-world challenges that demand holistic, cross-sector understanding.

Subject specific skills

Applying sustainability and ESG principles; analysing circular economy approaches; assessing environmental and social impacts; using sector-relevant tools such as LCA, BIM and AI-enabled methods; integrating sustainability into planning, procurement, and risk processes; evaluating ethical and regulatory considerations; and supporting evidence-based, sustainability-driven decision-making.

Transferable skills

critical thinking and analytical reasoning; information and digital literacy; ethical judgement and integrity; self-awareness and reflective practice; creative and evidence-based problem solving; effective communication and presentation skills; intercultural and organisational awareness; teamwork and collaboration; professionalism and responsibility; sustainability awareness and global citizenship.

Study

Study time

Type	Required
Lectures	20 sessions of 1 hour (13%)
Seminars	10 sessions of 1 hour (7%)
Online learning (independent)	6 sessions of 1 hour (4%)
Other activity	54 hours (36%)
Assessment	60 hours (40%)
Total	150 hours

Private study description

No private study requirements defined for this module.

Other activity description

Within the 54 hours of learning, a range of structured activities will be delivered to progressively strengthen awareness, critical reflection, and informed decision-making in relation to sustainability within project management practice.

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A

	Weighting	Study time	Eligible for self-certification
Assessment component			
Integrating Sustainability into Project Management: A Strategic Group-Based Application	30%	18 hours	No
Team presentation on a project of their choice (any industry is accepted). Focus on applying sustainability tools and team-based strategic thinking. The group work component (30%) will incorporate a peer-adjustment mechanism to ensure that individual contributions are appropriately recognised within the overall group outcome.			
Reassessment component			
Embedding ESG and Circular Economy in Project Delivery			No
Explain the elements involved in integrating sustainability into project management, including practical examples.			

	Weighting	Study time	Eligible for self-certification
Assessment component			
Sustainable Project Assessment: Tool Application and Personal Reflection on Practice	70%	42 hours	Yes (extension)
Individual report applying tools (e.g., carbon calculators, lifecycle analysis) to a selected project scenario including a self-reflection too.			
Reassessment component			
Sustainable Development Goal and Emerging Technologies in Projects			No
Individual report analysing a selected project scenario through the lens of a Sustainable Development Goal (SDG), supported by the use of relevant sustainability and emerging technology tools accompanied by a short reflective commentary on learning and decision-making			

Feedback on assessment

Formative Feedback: Provided through in-class discussions, group tutorials, and peer review exercises during the teaching block.

Summative Feedback: Delivered via written comments and rubric-based evaluation on Tabula/Moodle.

Group Feedback: Offered for group projects through collective comments highlighting strengths and areas for improvement.

Optional Tutorials: One-to-one or small group feedback sessions available upon request to support deeper reflection and improvement upon request.

Availability

There is currently no information about the courses for which this module is core or optional.