

University of the West of Scotland

Module Descriptor

Session: 2024/25

Title of Module: Advanced Project Management

Code: ENGG10007	SCQF Level: 10 (Scottish Credit and Qualifications Framework)	Credit Points: 20	ECTS: 10 (European Credit Transfer Scheme)
School:	School of Computing, Engineering and Physical Sciences		
Module Co-ordinator:	Farhad Anvari		

Summary of Module

This module introduces the student to more in depth methods of controlling and managing projects including managing multiple projects with finite resources.

This includes reference to a range of more advanced project management tools and methodologies including spreadsheets, MS Project and in particular 'Prince 2'.

During the course of this module students will develop their UWS Graduate Attributes. Universal: Academic attributes - critical thinking and analytical & inquiring mind; Work-Ready: Academic attributes - knowledge of Prince2 and relevant tools and skills; Successful : autonomous, driven and resilient.

It will develop the students understanding of the complex nature of managing multiple projects and develop their skills of communication to a group.

It will provide the opportunity to enhance their communication, presentation and team working skills including project leadership and management skills through role playing.

The concepts of scenario planning, risk management, post project audits and continuous improvement for the execution of projects will be explored.

The module will be presented by lectures and tutorial support with the assistance of VLE.

Assessment will be by Case Study 50% and coursework 50%.

- This module has been reviewed and updated, taking cognisance of the University's Curriculum Framework principles. Examples of this are found within the module such as active and engaging tutorial activity with contemporary industry examples of modular content, module assessment which reflects industry activities, learning synergies across modules and levels of study and recorded lecture content supporting students to organise their own study time. Due to some of the unique content, this module is of particular importance in relation to PSRB AHEP-4 learning outcomes.

Module Delivery Method

Face-To-Face	Blended	Fully Online	HybridC	HybridO	Work-based Learning
✓	✓				

Face-To-Face

Term used to describe the traditional classroom environment where the students and the lecturer meet synchronously in the same room for the whole provision.

Blended

A mode of delivery of a module or a programme that involves online and face-to-face delivery of learning, teaching and assessment activities, student support and feedback. A programme may be considered "blended" if it includes a combination of face-to-face, online and blended modules. If an online programme has any compulsory face-to-face and campus elements it must be described as blended with clearly articulated delivery information to manage student expectations

Fully Online

Instruction that is solely delivered by web-based or internet-based technologies. This term is used to describe the previously used terms distance learning and e learning.

HybridC

Online with mandatory face-to-face learning on Campus

HybridO

Online with optional face-to-face learning on Campus

Work-based Learning

Learning activities where the main location for the learning experience is in the workplace.

Campus(es) for Module DeliveryThe module will **normally** be offered on the following campuses / or by Distance/Online Learning: (Provided viable student numbers permit)

Paisley:	Ayr:	Dumfries:	Lanarkshire:	London:	Distance/Online Learning:	Other:
			✓			

Term(s) for Module Delivery

(Provided viable student numbers permit).

Term 1	Term 2	Term 3
	✓	

Learning Outcomes: (maximum of 5 statements)

On successful completion of this module the student will be able to:

- L1. Critically appraise a range of project management methodologies and project tools
- L2. Compare various alternative scenarios/ strategies a project may be exposed to and make an appropriate recommendation.
- L3. Plan and control complex multiple projects using advanced project management tools.
- L4. Assess the applicability of identified project management procedures and discuss suitable alternatives.

Employability Skills and Personal Development Planning (PDP) Skills

SCQF Headings	During completion of this module, there will be an opportunity to achieve core skills in:
Knowledge and Understanding (K and U)	SCQF Level 10. K&U of the evaluation of using modelling software when applied to project management. K&U of internal and external factors influencing projects and alternative management strategies K&U of managing multiple projects including reference to communication skills, risk management and people skills
Practice: Applied Knowledge and Understanding	SCQF Level 10. Be able to take an active part in team based projects and apply computer based simulation to optimise project outcomes.
Generic Cognitive skills	SCQF Level 10. Ability to manage dynamic problems of multiple project management
Communication, ICT and Numeracy Skills	SCQF Level 10. Development of communication skills via written reports, spreadsheets and project management techniques. Computer and numeracy skills enhanced by

	project management techniques. Presentation skills developed to a range of appropriate settings
Autonomy, Accountability and Working with others	SCQF Level 9. Work effectively as a team member or leader demonstrating a high level of ability.

Pre-requisites:	Before undertaking this module the student should have undertaken the following:	
	Module Code: ENGG09004	Module Title: Project Management
	Other:	Or equivalent
Co-requisites	Module Code:	Module Title:

* Indicates that module descriptor is not published.

Learning and Teaching	
In addition to the Lecture and Tutorials, the learning hours for the Independent Study component will include; Problem based learning 32 hours, Self study 66 hours, Consolidation 12 hours, Assessment: Case Study and Coursework 38 hours (which includes a negotiations exercise 2 hours and a presentation seminar 2 hours) and feedback and reflection 2 hours.	
Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	Student Learning Hours (Normally totalling 200 hours): (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture/Core Content Delivery	18
Tutorial/Synchronous Support Activity	18
Independent Study	164
	200 Hours Total

**Indicative Resources: (eg. Core text, journals, internet access)
<p>The following materials form essential underpinning for the module content and ultimately for the learning outcomes:</p> <p>Lecture and support material is contained in course notes available on Moodle.</p> <p>Software includes MS Project, Excel, PowerPoint.</p> <p>Referenced Material : Consultation of the following resources is required: Lock, D., 2020. <i>Project management</i>. Routledge. Harrison, F. and Lock, D., 2017. <i>Advanced project management: a structured approach</i>. Routledge. Bentley C, Prince 2 Revealed, Great Britain: Elsevier Office of Government Commerce, (2009) Managing Successful Projects with Prince2, Great Britain:TSO PeopleCert, (2023) PRINCE2® 7 Managing Successful Projects</p>
(**N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)

Engagement Requirements
In line with the Academic Engagement Procedure, Students are defined as academically engaged if they are regularly engaged with timetabled teaching sessions, course-related learning resources including those in the Library and on the relevant learning platform, and complete assessments and submit these on time. Please refer to the Academic Engagement Procedure at the following link: Academic engagement procedure

Supplemental Information

Programme Board	Engineering
Assessment Results (Pass/Fail)	No
Subject Panel	Engineering
Moderator	James Findlay
External Examiner	E Tingas
Accreditation Details	
Version Number	2.09

Assessment: (also refer to Assessment Outcomes Grids below)

Assessment 1 is a Case Study that contributes 50% to the final mark.

Assessment 2 is an extensive coursework that contributes 50% to the final mark.

(N.B. (i) **Assessment Outcomes Grids** for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed.

(ii) An **indicative schedule** listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Handbook.)

Assessment Outcome Grids (Footnote A.)**Component 1**

Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Case Study	✓	✓	✓	✓	50	

Component 2

Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Dissertation/ Project report/ Thesis	✓		✓	✓	37.5	
Presentation		✓			12.5	2
Combined Total For All Components					100%	2 hours

Footnotes

A. Referred to within Assessment Section above

B. Identified in the Learning Outcome Section above

Note(s):

1. More than one assessment method can be used to assess individual learning outcomes.
2. Schools are responsible for determining student contact hours. Please refer to University Policy on contact hours (extract contained within section 10 of the Module Descriptor guidance note).
This will normally be variable across Schools, dependent on Programmes &/or Professional requirements.

Equality and Diversity

The programme leaders have considered how the programme meets the requirements of potential students from minority groups, including students from ethnic minorities, disabled students, students of different ages and students from under-represented groups. Students with additional support requirements would be assessed/accommodated and any identified barriers to particular groups of students discussed with the Enabling Support Unit and reasonable adjustments would be made for classes and site visits.

[UWS Equality and Diversity Policy](#)

(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)