

University of the West of Scotland

Module Descriptor

Session: 2024/25

Title of Module: Project Risk Management			
Code: QUAL11019	SCQF Level: 11 (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:	Alan Arokiam		
Summary of Module			
<p>This module presents an advanced study of risk and the application of risk management in the workplace with a particular focus on project risk management. The syllabus covers:</p> <p>Introduction to risk, uncertainty and risk management; Risk attitudes and appetites of individuals, groups, organisations and society; Risk management in the workplace: enterprise, health & safety, finance and data; Government and legislative influences; Definitions and frameworks for strategic risk management; Qualitative risk assessment methods; Quantitative risk analysis; Modelling tools and techniques to assist in decision making under uncertainty.</p> <p>Undertaking this module will develop a number of graduate attributes. Case studies are used to demonstrate work-based practice. The module will equip the students with a full understanding of the origins and purposes of risk management. They will develop critical-thinking, problem-solving and presentation skills.</p> <p>Graduate attribute covered by this module include:</p> <p>Universal</p> <ul style="list-style-type: none"> • Critical Thinker • Ethically minded • Research-minded <p>Work Ready</p> <ul style="list-style-type: none"> • Problem-Solver • Effective Communicator • Ambitious <p>Successful</p> <ul style="list-style-type: none"> • Autonomous • Resilient • Driven 			

Module Delivery Method					
Face-To-Face	Blended	Fully Online	HybridC	Hybrid 0	Work-Based Learning

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
See Guidance Note for details.					

Campus(es) for Module Delivery						
The module will normally be offered on the following campuses / or by Distance/Online Learning: (Provided viable student numbers permit) (tick as appropriate)						
Paisley:	Ayr:	Dumfries:	Lanarkshire:	London:	Distance/Online Learning:	Other:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	TNE: LUBM

Term(s) for Module Delivery					
(Provided viable student numbers permit).					
Term 1	<input checked="" type="checkbox"/>	Term 2	<input type="checkbox"/>	Term 3	<input checked="" type="checkbox"/>

Learning Outcomes: (maximum of 5 statements) These should take cognisance of the SCQF level descriptors and be at the appropriate level for the module. At the end of this module the student will be able to:	
L1	Demonstrate a critical understanding of the principal concepts and theories of risk and uncertainty.
L2	Critically evaluate the influences of individuals, systems and organisations upon managing risk.
L3	Identify and critically evaluate the use of typical approaches to evaluating and controlling risks in business and project situations.
L4	Apply specialised methods and techniques for modelling and managing risk.

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)	<p>SCQF Level 11</p> <p>Gain a critical understanding of the principles of risk management.</p> <p>Achieve knowledge of and be able to evaluate the effectiveness of establishing systems for risk management.</p>

Practice: Applied Knowledge and Understanding	<p>SCQF Level 11</p> <p>Identify informed approaches to establishing risk management systems in a range of business and project settings.</p> <p>Collect and manage data and gain a coherent understanding of theories and practices in modelling.</p>	
Generic Cognitive skills	<p>SCQF Level 11</p> <p>Develop and demonstrate an ability to communicate effectively in a variety of professional settings.</p> <p>Demonstrate an understanding of a complex issue and develop a creative and sensible solution to an industrial problem.</p>	
Communication, ICT and Numeracy Skills	<p>SCQF Level 11</p> <p>Gain a full understanding of the process of preparing oral and written reports, using IT.</p> <p>Prepare and present simulation model results in a business setting.</p>	
Autonomy, Accountability and Working with others	<p>SCQF Level 11</p> <p>Work as part of a team to analyse information, formulate a solution and present it back to the group.</p> <p>Work independently to analyse a situation and to be able to defend and debate recommendations.</p>	
Pre-requisites:	Before undertaking this module the student should have undertaken the following:	
	Module Code:	Module Title:
	Other:	
Co-requisites	Module Code:	Module Title:

*Indicates that module descriptor is not published.

Learning and Teaching	
<p>In line with current learning and teaching principles, a 20-credit module includes 200 learning hours, normally including a minimum of 36 contact hours and maximum of 48 contact hours.</p>	
<p>Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:</p>	<p>Student Learning Hours (Normally totalling 200 hours): (Note: Learning hours</p>

	include both contact hours and hours spent on other learning activities)
Lecture/Core Content Delivery	24
Tutorial/Synchronous Support Activity	12
Independent Study	164
	Hours Total 200

****Indicative Resources: (eg. Core text, journals, internet access)**

The following materials form essential underpinning for the module content and ultimately for the learning outcomes:

Hopkin, P. (2018), Fundamentals of Risk Management: Understanding, Evaluating and Implementing Effective Risk Management, 5th edition. Kogan Page: UK

APM Body of Knowledge (2019) 7th edition, Princes Risborough: Association for Project Management, UK.

APM Project Risk Analysis and Management (PRAM) guide, 2nd edition, Princes Risborough: Association for Project Management, UK.

Office of Government and Commerce (2010 edition), Management of risk: guidance for practitioners, The Stationery Office Ltd, UK.

A Guide to the Project Management Body of Knowledge (PMBOK® Guide) (2021) 7th edition.

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Please ensure the list is kept short and current. Essential resources should be included, broader resources should be kept for module handbooks / Aula VLE.

Resources should be listed in Right Harvard referencing style or agreed professional body deviation and in alphabetical order.

(**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)

Attendance and Engagement Requirements

In line with the [Student Attendance and Engagement Procedure](#): Students are academically engaged if they are regularly attending and participating in timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time.

For the purposes of this module, academic engagement equates to the following:

Prompt Attendance of Lectures- Students are expected to attend scheduled lectures promptly and actively participate by taking notes, asking questions, and contributing to discussions.

Prompt Attendance of Tutorials- Students are expected to attend tutorials on time, prepared with any assigned readings or tasks. Active participation in tutorial discussions and activities is strongly encouraged.

Weekly Access to Materials on Aula- Students are required to access Aula on a weekly basis to stay informed about updates, download lecture slides or readings, and engage with any online activities or discussions.

Equality and Diversity

The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: [UWS Equality, Diversity and Human Rights Code](#).

Please ensure any specific requirements are detailed in this section. Module Co-ordinators should consider the accessibility of their module for groups with protected characteristics..

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

Supplemental Information

Divisional Programme Board	Engineering
Assessment Results (Pass/Fail)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
School Assessment Board	Civil Engineering and Quality Management
Moderator	Sona Shadmand
External Examiner	Alaa Grad
Accreditation Details	This module is part of a degree programme accredited by APM: Association for Project Management
Changes/Version Number	2.19

Assessment: (also refer to Assessment Outcomes Grids below)

Assessment 1 – A coursework worth 70% of the total assessment. Students will model and analyse a problem of risk and uncertainty using Monte Carlo simulation (worth

35%) a group risk assessment coursework. Students will also work in groups to perform a mainly qualitative exercise of risk assessment and analysis and deliver a report and presentation (worth 35%).

Assessment 2 – A class test will be conducted on the VLE and be made available for a specified period of time to allow access across different time zones. It will be worth 30% of the total assessment mark of the module.

(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 Module Handbook.)

Assessment Outcome Grids (See Guidance Note)

Component 1							
Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Coursework	x	x	x	x	x	70	26

Component 2							
Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Test	x	x	x	x	x	30	1
Combined Total for All Components						100%	XX hours