University of the West of Scotland

Module Descriptor

Session: 2024/25

Title of Module: Risk Management			
Code: QUAL11025	SCQF Level: 11 (Scottish Credit and Qualifications Framework)	Credit Points: 10	ECTS: 10 (European Credit Transfer Scheme)
School:	School of Computing, Engineering and Physical Science		
Module Co-ordinator:	Dr Evi Viza		

Summary of Module

This module presents a study of risk, risk management and the methods of risk assessment.

The syllabus covers:

Introduction to risk, uncertainty and risk management; Risk attitudes and appetites of individuals, groups ,organisations and society; Definitions and frameworks for strategic risk management; government and legislative influences; Qualitative risk assessment methods; Quantitative risk analysis; Modelling tools and techniques to assist in decision making under uncertainty; Limitations of risk management; Risk management in the workplace: enterprise, health & safety, finance and projects.

This module will develop a number of graduate attributes. The module will equip the students with an understanding of the origins and purposes of risk management. Case studies are used to demonstrate work-based practice. This will help students develop critical-thinking and problem-solving skills.

The module is aligned with the updated curriculum framework of UWS

1. Student centred: the material and case studies are based on different sectors to reflect the experience of the students from different degrees and contextualise their learning. Tutorial time and discussion forums (AULA, MS Teams) allow for a multiway communication between students themselves as well as student and lectures.
2. Flexible and Hybrid: Teaching material is available on the online learning platform including, slides, recording, practical exercises and additional learning to compliment each week's topic. Online lectures are available and the recorded ones allow for students to watch or Re-watch what they may have missed. Themodule is designed for full time, part time and Distance learning students.
3. Simple and Coherent: The learning content, which is communicated from the start is set in a linear way to ensure learning is progressing smoothly with designed check in milestones to assess progress (e.g. Online quizzes)
4. Authentic: Discussions and Assessment are based on students' experience centred around the learning material

5. Inclusive: All material is available in written, audio format with subtitles and transcripts where feasible
6. Sustainable: Material is updated annually and reflects what is happening in the sector and taking into consideration the student's feedback from formal and informal channels

Module Delivery Method

Face-To-Face	Blended	Fully Online	HybridC	Hybrid 0	Work-Based Learning
☒	☒	☒	☐	☐	☐

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:
☒	☐	☐	☐	☐	☒	Add name

Term(s) for Module Delivery

(Provided viable student numbers permit).

Term 1	☒	Term 2	☐	Term 3	☐

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	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)	SCQF Level **11** Gain a critical understanding of the principles of risk management. Achieve knowledge of and be able to evaluate the effectiveness of establishing systems for risk management.
Practice: Applied Knowledge and Understanding	SCQF Level **11** Collect and manage data and gain a coherent understanding of theories and practices in modelling risk
Generic Cognitive skills	SCQF Level **11** Develop and demonstrate an ability to communicate effectively in a variety of professional settings. Demonstrate an understanding of an issue and develop a creative and sensible solutions to an organisational problem.
Communication, ICT and Numeracy Skills	SCQF Level **11** Gain a full understanding of the process of preparing oral and written reports using IT. Prepare and present decision-making results in a practical setting
Autonomy, Accountability and Working with others	SCQF Level **11** Work as part of a team to analyse information . Work independently to analyse a situation and to be able to defend and debate recommendations .

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
In line with current learning and teaching principles, a 10-credit module includes 100 learning hours, normally including a minimum of 18 contact hours.
Lectures (on-line and classroom) will introduce and exemplify key theoretical and critical concepts that can be applied to a wide range of areas in the field of risk management. The approach is learner-centred with students actively engaged in a range of tasks to promote engagement with and analyses of different kinds of risk management techniques. Tutorials and workshops will also be given both on-line and

in class to further develop students' practical skill set. The Learning & Teaching Strategy for this module is based on the general strategy for the MSc Quality Management.

Classes are delivered on a weekly basis. Lectures will introduce and exemplify key theoretical and critical concepts. Tutorial sessions will be given to further develop students' understanding. Live in-company or simulated audited scenarios will be used to enhance learning. Students will be given sufficient time and support to work on assignments.

For On-line learning students, full use will be made of the VLE. That is, all teaching material will be made available on-line and students will be guided through the material. Email and video-conferencing will be used extensively to support students. Tutorials will be on-line and synchronous.
Group work, if applicable, will be organised and supported through facilities on the VLE such.

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	12
Tutorial/Synchronous Support Activity	6
Independent Study	82
	Hours Total 100

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

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

Essential:

Baruch Fischhoff and Kadvany, J. (2011). *Risk : a very short introduction*. Oxford:

Oxford University Press.

Hillson, D. and Murray-Webster, R. (2007). *Understanding and managing risk attitude*.

Aldershot, England ; Burlington, Vt: Gower.

Hopkin, P. and Thompson, C. (2022). *Fundamentals of risk management:*

understanding, evaluating and implementing effective risk management. London ;

New York ; New Delhi Kogan Page.

IRM (2019). *Institute of Risk Management (IRM)*. [online] Theirm.org. Available at:

https://www.theirm.org/.

Office, G. (2010). *Management of risk : guidance for practitioners, 3rd ed.* London: Tso.

Rumane, A.R. (2023). *Risk management applications to sustain quality in projects : a practical guide*. Boca Raton: CRC Press.

Recommended

Hubbard, D. W. (2020). The failure of risk management [electronic book] : why it's broken and how to fix it (2nd ed.). John Wiley & Sons Inc.

Materials on Virtual Learning Platform

Publications and resources on the CQI page .

(**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.

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.

(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 ☐ No ☒
School Assessment Board	Civil Engineering and Quality Management
Moderator	Dr Hazhar Faris
External Examiner	Alaa Garad

Accreditation Details	CQI
Changes/Version Number	1.13
	Updated module summary
	Updated Reading resources
	Updated Campuses for Delivery
	Updated Learning and Teaching Summary
	Updated delivery terms

Assessment: (also refer to Assessment Outcomes Grids below)
Category 1 – an analysis and modelling coursework. Students will analyse and model a problem of risk and uncertainty including the use of qualitative methods It will be worth 50% of the assessment of the module. Category 2 - class test. The class test will cover the core syllabus as described in the module introduction. It will be conducted on the VLE (Aula or online forms) and be made available for a specified period of time to allow access   across different time zones. It will be worth 50% of the total assessment mark of the module.
Assessment 1 - Case Study (group work)
Assessment 2 – Open book class test
(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)

Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Case Study -Group work	x	x	x	50	0

Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Weighting (%) of Assessment Element	Timetabled Contact Hours

Open book class test (written)	x	x	x	50	1

Combined Total for All Components	**100%**	**1 hour**

Change Control:

What	When	Who
Updated Module Summary	15/04/2023	E Viza
Updated Reading List	15/04/2023	E Viza
Guidance Note 24-25 provided	15/04/2023	E Viza
Update Campus and delivery	15/04/2023	E Viza
Updated Learning and teaching text. .	15/04/2023	E Viza