

## University of the West of Scotland

## Module Descriptor

Session: 2024/25

<b>Title of Module: H &amp; S and Risk Assessment</b>			
<b>Code: ENGG09008</b>	<b>SCQF Level: 9 (Scottish Credit and Qualifications Framework)</b>	<b>Credit Points: 20</b>	<b>ECTS: 10 (European Credit Transfer Scheme)</b>
<b>School:</b>	School of Computing, Engineering and Physical Sciences		
<b>Module Co-ordinator:</b>	Zoofishan Hayat		
<b>Summary of Module</b>			
<p>This module examines occupational health and safety, which is concerned with protecting the safety, health and welfare of people engaged in work or employment.</p> <p>The module will cover the main reasons for establishing good occupational health and safety standards, including the moral, economic and legal background. Issues such as the risk injury at work, and conditions will send work environment will be considered.</p> <p>On completing this module the student would have gained an insight into how Occupational Safety and health requirements maybe we enforced in law, and impact of potential regulatory action or litigation on organisations - including any impact or on the moral obligations.</p> <p>This module will be taught as a series of lectures and exercises designed to give the student practise at carrying out inspections, audit and risk assessments, working in small groups in order to promote communication and team working skills.</p> <p>This module will be assessed by means of continuous assessment in the form of assignments and reports.</p> <p>The knowledge gained will be applied in a professional context, as health and safety legislation is applicable in all working environments.</p> <p>During the course of the module students will develop their uws graduate attributes.</p> <p>This module has been reviewed and updated, taking cognisance of the universities curriculum framework principles. Examples of this are found within the module such as active and engaging tutorial activity was contemporary industry examples of modular content, modular assessment which reflects industry activities, learning synergies across modules and levels of study and recorded electric content supporting students to organise their own study time. Due to some of the unique</p>			

content, this module is a particular importance in relation to PSRB AHEP\_4 learning outcomes.

### Module Delivery Method

Face-To-Face	Blended	Fully Online	HybridC	Hybrid 0	Work-Based Learning
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Add name

### Term(s) for Module Delivery

(Provided viable student numbers permit).

Term 1	Term 2	Term 3
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<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	Review and interpret health and safety legislation for a new application.
L2	Identify and analyse the causes of accidents, danger incidents and health hazards.
L3	Carry out a risk assessment (including a report with recommendations/plan of action) for a range of processes and systems.
L4	Advice on health and safety requirements for business enterprise.

<b>Employability Skills and Personal Development Planning (PDP) Skills</b>		
<b>SCQF Headings</b>	During completion of this module, there will be an opportunity to achieve core skills in:	
Knowledge and Understanding (K and U)	SCQF Level <b>9</b> Knowledge and understanding of key details of health and safety legislation.	
Practice: Applied Knowledge and Understanding	SCQF Level <b>9</b> Utilise this knowledge and understanding when analysing processes and systems.	
Generic Cognitive skills	SCQF Level <b>9</b> Apply appropriate tools effectively to undertake risk assessments.  Make judgments and provide advice on professional issues.	
Communication, ICT and Numeracy Skills	SCQF Level <b>9</b>  Utilise appropriate software tools and communication methods.	
Autonomy, Accountability and Working with others	SCQF Level <b>9</b> Engage confidently with engineers and other professionals.  Work under guidance with qualified practitioners.  Practice in ways which take into account of own and others roles and responsibilities.  Deal with ethical and professional issues in accordance with current professional and or ethical codes of practise, seeking guidance where appropriate.  Exercise autonomy and initiative in systematically identifying and addressing their own learning needs both in current and a new areas.	
<b>Pre-requisites:</b>	Before undertaking this module the student should have undertaken the following:	
	<b>Module Code:</b>	<b>Module Title:</b>
	<b>Other:</b>	
<b>Co-requisites</b>	<b>Module Code:</b>	<b>Module Title:</b>

\*Indicates that module descriptor is not published.

<b>Learning and Teaching</b>	
<b>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.</b>	
<b>Learning Activities</b> During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	<b>Student Learning Hours</b> (Normally totalling 200 hours): (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture/Core Content Delivery	24
Tutorial/Synchronous Support Activity	12
Personal Development Plan	15
Independent Study	149
	200Hours Total

<b>**Indicative Resources: (eg. Core text, journals, internet access)</b>
<p>The following materials form essential underpinning for the module content and ultimately for the learning outcomes:</p> <p>Government publications.</p> <p>Handouts issued at class meetings.</p> <p>Engineering laboratories.</p> <p>Access to appropriate industrial journals.</p> <p>Web-based resources for up-to-date legislation.</p> <p>Virtual learning environment on Aula.</p> <p>.</p> <p>Resources should be listed in Right Harvard referencing style or agreed professional body deviation and in alphabetical order.</p>

Stranks, J. (2016). *Health and Safety at Work : An Essential Guide to Managers*. London: Kogan 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.

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

Free Text – to add detail

**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**

<b>Divisional Programme Board</b>	Engineering
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<b>Assessment Results (Pass/Fail)</b>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<b>School Assessment Board</b>	Engineering
<b>Moderator</b>	Zoofishan Hayat
<b>External Examiner</b>	M Ghaleeh
<b>Accreditation Details</b>	
<b>Changes/Version Number</b>	

<b>Assessment: (also refer to Assessment Outcomes Grids below)</b>
<p>Assessment 1 Coursework : Report and Presentation 60%</p> <p>Areas covered will be health and safety legislation and risk assessment of a work area. This is a group assessment and will involve working as a risk assessment team. Formative assessment is based on a reduced set of selected hazards.</p>
<p>Assessment 2 Coursework : Report 40%</p> <p>This will focus on risk assessment of activities and the development of safe system of work. This is an individual assessment.</p> <p>Formative assessment is based on a selected similar activity.</p>
<p>(N.B. (i) <b>Assessment Outcomes Grids</b> for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed.</p> <p>(ii) An <b>indicative schedule</b> listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Module Handbook.)</p>

**Assessment Outcome Grids (See Guidance Note)**

<b>Component 1</b>							
<b>Assessment Type (Footnote B.)</b>	<b>Learning Outcome (1)</b>	<b>Learning Outcome (2)</b>	<b>Learning Outcome (3)</b>	<b>Learning Outcome (4)</b>	<b>Learning Outcome (5)</b>	<b>Weighting (%) of Assessment Element</b>	<b>Timetabled Contact Hours</b>
Essay	✓	✓	✓	✓		60	

<b>Component 2</b>							
<b>Assessment Type (Footnote B.)</b>	<b>Learning Outcome (1)</b>	<b>Learning Outcome (2)</b>	<b>Learning Outcome (3)</b>	<b>Learning Outcome (4)</b>	<b>Learning Outcome (5)</b>	<b>Weighting (%) of Assessment Element</b>	<b>Timetabled Contact Hours</b>
Essay	✓	✓	✓	✓		40	

<b>Combined Total for All Components</b>						<b>100%</b>	<b>0 hours</b>
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