

**University of the West of Scotland
Module Descriptor**

Session: 2022/23

Title of Module: Environmental Clerk of Works Foundation			
Code: CPDX11001	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:	Andrew Stefan Hursthouse		
Summary of Module			
<p>This module will be delivered in a short course format or on line with lectures, interactive sessions and individual and group work, specifically designed to empower participants to effectively undertake the ECoW role. The role is an environmental or construction professional responsible for monitoring compliance with environmental legislation, policy or mitigation. This will be addressed through developing an understanding of its purpose, building knowledge of construction contracts and process, typical environmental constraints and influences developing confidence and competence to help change behaviour and build personal resilience in high pressure environments.</p> <p>The graduate attributes developed: critical thinking, collaborative working and problem solving; effective communication with evidence based decision making.</p> <p>Materials delivered based on cohort needs analysis, with participant centred delivery involving practical and theoretical sessions using case studies as the focal point of decision making and problem solving tasks.</p> <p>Topics covered include: fundamentals of project management; understanding the ECoW role in the construction process including contracts and tenders and working on site with subcontractors. Mental health and resilience – working remotely, auditing, ecology and environmental impact assessment; Landscape – topography, vegetation, infrastructure, existing buildings, weather, culture, noise; archaeology; water management and pollution control; waste and resource management site waste management plan, recycling and use of materials, land contamination and remediation.</p> <p>Assessment will be by a variety of group and individual assignments based around graduate attributes and case study materials.</p> <ul style="list-style-type: none"> • EXTERNAL SUBJECT EXPERT: With a growing stringency in environmental regulations, and the need to meet a range of quality assurance and environmental sustainability standard, this course will serve to stakeholders in the construction sector with valuable certification. The content and delivery format employed (i.e., self-paced study and live sessions) has evidently taken account of the student experience. The value to the development potential of students is enhanced by the accreditation from IEMA. In addition, as it is linked to the MSc Waste & Resource Management, it provides a stepping stone for those who wish to continue their studies after the course. • STAKEHOLDER CONSULTATION: This is the first and only course of its type that focusses specifically on the environmental clerk of works role. The course content has been developed to provide the delegate with the basic knowledge to feel confident in providing environmental clerk of works resource to the sector, focusing not only on technical knowledge but skills around auditing and softer skills like selfcare and mental health in a challenging work environment. 			

Module Delivery Method					
Face-To-Face	Blended	Fully Online	HybridC	HybridO	Work-based Learning
✓	✓	✓			
<p>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.</p> <p>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</p> <p>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.</p> <p>HybridC Online with mandatory face-to-face learning on Campus</p> <p>HybridO Online with optional face-to-face learning on Campus</p> <p>Work-based Learning Learning activities where the main location for the learning experience is in the workplace.</p>					

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)						
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)	
<p>On successful completion of this module the student will be able to:</p> <p>L1. Demonstrate critical thinking, working collaboratively with colleagues on environmental issues on construction projects</p> <p>L2. Act as a motivated professional, able to problem solve and communicate to appropriate level</p> <p>L3. Apply innovative and creative thinking to produce resilient solutions to environmental challenges</p> <p>L4. Develop an understanding specialist topics and complex relationships in delivery of projects</p>	
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. Demonstrate the integration of the main subject areas expected for an Environmental Clerk of Works. Your work will show a critical understanding of the theories and principles underlying the role and show awareness of other subjects that could influence your role. Evaluate the effectiveness of control measures in relation to environmental impacts	
Practice: Applied Knowledge and Understanding	SCQF Level 11. Application of the specialised skills and techniques of the Environmental Clerk of Works role, you will be able to prepare a complex case study informed by a wide range of materials	
Generic Cognitive skills	SCQF Level 11. Develop skills that will allow you to identify, conceptualise, define new problems and issues, and then develop creative responses to those challenges. You will make informed judgements in situations where there is incomplete information. Develop ability to communicate effectively in a variety of profession situations	
Communication, ICT and Numeracy Skills	SCQF Level 11. You will be able to disseminate complex data, in written and oral methods, to audiences with different skills sets and expertise. Appropriate communication in a professional environment	
Autonomy, Accountability and Working with others	SCQF Level 11. Be able to demonstrate your professional activities as applied to an Environmental Clerk of Works role take responsibility for your own work and demonstrate leadership to change current thinking.	
Pre-requisites:	Before undertaking this module the student should have undertaken the following:	
	Module Code:	Module Title:
	Other:	All applicants must satisfy the qualification and/or experience requirements as established in the admission criteria. See Reg. 6.3
Co-requisites	Module Code:	Module Title:

* Indicates that module descriptor is not published.

Learning and Teaching
<p>This module will be delivered in a short course format or on line with lectures, interactive sessions and individual and group work, specifically designed to empower participants to effectively undertake the ECoW role. The role is as an environmental or construction professional responsible for monitoring compliance with environmental legislation, policy or mitigation. This will be addressed through developing an understanding of its purpose, building knowledge of construction contracts and process, typical environmental constraints and influences, developing confidence and competence to help change behaviour and build personal resilience in high pressure environments.</p> <p>The graduate attributes developed: critical thinking, collaborative working and problem solving; effective communication with evidence based decision making.</p>

Materials delivered based on cohort needs analysis, with participant centred delivery involving practical and theoretical sessions using case studies as the focal point of decision making and problem solving tasks	
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	32
Tutorial/Synchronous Support Activity	4
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: www.sepa.org.uk</p> <p>https://www.netregs.org.uk/</p> <p>State of Nature Reports: https://nbn.org.uk/stateofnature2019/</p> <p>Environmental management in construction: a quantitative approach (2007), Chen Zhen and Li Heng, Routledge ISBN: 9780203030363</p> <p>Barbour Index: https://www.barbour.info/</p> <p>Construction Environmental Manual Published by Construction Industry Publications Ltd ISBN 9781852631208 (December 2019).</p> <p>https://www.claire.co.uk/</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	
<p>Students are academically engaged if they are regularly engaged with timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time. Please refer to the Academic Engagement and Attendance Procedure at the following link: Academic Engagement and Attendance Procedure</p> <p>For the purposes of this module, academic engagement equates to the following: Face to Face attendance and on-line delivery</p>	

Supplemental Information

Programme Board	Physical Sciences
Assessment Results (Pass/Fail)	No

Subject Panel	Physical Sciences
Moderator	Dr Iain McLellan
External Examiner	Terry Tudor
Accreditation Details	Institute of Environmental Management and Assessment (IEMA), seeking CIWM 2021/22
Changes/Version Number	1

Assessment: (also refer to Assessment Outcomes Grids below)

Case study assessment used to reflect on:
a. the role of the ECoW and the Water Environment
b. waste, materials, ecology and emerging risks

portfolio 2,500-3,000 words critical reflections and role of ECoW

case study presentation - 20 minute discussion of case study with issues for ECoW highlighted and personal reflection on development needs

(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
Portfolio of written work	✓	✓	✓	✓	70	17.5
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
Presentation	✓	✓	✓	✓	30	2.5
Combined Total For All Components					100%	20 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

in order for the student to complete this module oral presentation and written reflective assessments are required to be undertaken.

Module appropriate for all students

UWS Equality and Diversity Policy

[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)