

University of the West of Scotland Module Descriptor

Session: 2023/24

Title of Module: Waste and Resource Mgt Masters Dissertation			
Code: CEWM11007	SCQF Level: 11 (Scottish Credit and Qualifications Framework)	Credit Points: 60	ECTS: 30 (European Credit Transfer Scheme)
School:	School of Computing, Engineering and Physical Sciences		
Module Co-ordinator:	Iain McLellan		
Summary of Module			
<p>On completion of your dissertation you will gain the following Graduate Attributes:</p> <ul style="list-style-type: none"> • You will be a Critical thinker as you work on a research-minded project • You will be a Problem solving and effective communicator • Your research will be innovative and creative producing resilient solutions to our environmental and waste management challenges <p>Students undertake a programme of practical research and study at an advanced level, dealing with a topic or issue relevant to post-graduate diploma modules completed previously. Topics are chosen either from an industrial situation at the student's place of work, a part of the post-graduate programme that particularly interested the student, or an initiative from an academic member of staff. On occasion, topics are available through contacts in local businesses where students can have an opportunity to prepare their dissertation whilst working with a company. Dissertation guidelines are available at the beginning of the academic year and posted on the virtual learning environment.</p> <p>The dissertation is supervised by an academic member of staff, with a second supervisor providing both topic specific and academic advice on the preparation of the dissertation report. A time allocation of 20 hours of supervisor's time is available for each student.</p> <p>Students will present their research results, both in an oral presentation and in a hard-bound document. They will gain a complete knowledge of the stages of research, critical analysis, compilation of material, development of results and conclusions, and an ability to present their work to peers, supervisors and potential employers.</p>			

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>					

Work-based Learning

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

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)

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

- L1. Consolidate and integrate knowledge gained from the taught modules and carry out a programme of research in such a way as to apply effective strategies in waste and clean technologies
- L2. Independently undertake an extensive and detailed research topic and collect appropriate data and information
- L3. Critically review and interpret information, draw detailed conclusions and present results in a clear, concise written report of about 18,000 words

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 development of principles undertaking research in a topic related to waste and clean technologies
Practice: Applied Knowledge and Understanding	SCQF Level 11. Using a range of skills and techniques, identify elements of waste that contribute to the MSc dissertation and that lead to original research. Synthesise information and gain a coherent understanding of theories and practices in managing waste and applying clean technologies
Generic Cognitive skills	SCQF Level 11. Develop and demonstrate an ability to carry out independent research and communicate effectively, both orally and in report form. Demonstrate a detailed understanding of an issue and develop a solution to the problems.
Communication, ICT and Numeracy Skills	SCQF Level 11.

	Gain a full understanding of the process of preparing oral and written reports, using IT.	
	Communicate study results in a professional setting to peers and specialists.	
Autonomy, Accountability and Working with others	SCQF Level 11. Work independently to analyse information, formulate a solution and present it back to the group.	
	Work independently to create a programme of management for an environmental issue.	
Pre-requisites:	Before undertaking this module the student should have undertaken the following:	
	Module Code:	Module Title:
	Other:	Students must successfully complete all 6 Level 11 modules in Waste and Clean Technologies or possess an appropriate academic, vocational or professional qualification from another institution. Reg 6.3.1
Co-requisites	Module Code:	Module Title:

* Indicates that module descriptor is not published.

Learning and Teaching	
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	24
Independent Study	564
	600 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: Research seminar class notes and research techniques notes on the Virtual Learning Environment</p> <p>MSc guidelines provided to students.</p> <p>Each dissertation is on a different topic, so all resources necessary for the dissertation are discussed and found within the individual literature reviews.</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	Physical Sciences
Assessment Results (Pass/Fail)	No
Subject Panel	Physical Sciences
Moderator	Jan Miller
External Examiner	A Oke
Accreditation Details	Chartered Institution of Wastes Management (CIWM)
Changes/Version Number	2.16 Updated Indicative Resources

Assessment: (also refer to Assessment Outcomes Grids below)

The MSc dissertation is double marked and the average of the two marks counts as 80% of the final mark

An oral presentation of the report is marked as 20% of 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)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Dissertation/ Project report/ Thesis	✓	✓	✓	80	0
Component 2					

Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Presentation	✓	✓	✓	20	0
Combined Total For All Components				100%	0 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

This module is appropriate for all students.

[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)