MODULE SPECIFICATION

Part 1: Information			
Module Title	Strategic Issues in Engineering		
Module Code	UBGMGR-15-3	Level	Level 6
For implementation from	2018-19		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Geography and Environmental Management
Department	FET Dept of Geography & Envrnmental Mgmt		
Contributes towards			
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Features: Module entry requirements: 60 credits at Level 2

Educational Aims: See learning outcomes.

Outline Syllabus: The syllabus includes:

The role of the engineer in society.

Organisation of professional learned societies and registration bodies.

The historical context of Civil Engineering and our heritage.

Responsibility, Codes of Conduct and Ethical Practice as a professional.

Strategic issues and major challenges facing the world in which engineers can play a role.

A philosophical perspective – technology, health and safety, sustainability and drivers for change in an international arena.

Teaching and Learning Methods: The learning philosophy underpinning the module is to provide students with an opportunity to practice and enhance their research skills whilst at the same time acquiring an in-depth understanding of aspects of the engineer in society. The module also aims to provide opportunity to practice and develop informationgathering, analytical skills and academic writing and presentation skills.

Students will be required to select two thematic areas from the strategic issues facing engineers, with the agreement of the module leader/tutor. They will prepare “position statements” on both themes, from which one will be selected with the tutor’s guidance for oral presentation and preparation of a review paper.

Students will be encouraged to submit outlines of their presentation for formative comment and drafts of their review paper.

Part 3: Assessment

Summative Assessment

Component A - Presentation and Oral Examination. Learning outcome 1:
Presentation and oral examination

Answers will be assessed according to the following criteria:
Technical content.
Structure, organisation and clarity of analysis.
Presentation skills.
Contribution to the discussion.

Component B – Position Paper . Learning outcomes 2, 3 and 4:

Equivalent to 2000 words.

Paper will be assessed according to the following criteria:
Technical content.
Clarity and depth of analysis.
Appropriateness of conclusions and recommendations.
Format, presentation and adherence to format standards.

Formative work:

Students will be encouraged to submit drafts of their presentations and position papers for comment and feedback.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B	✓	60 %	Position paper (2000 words)
Examination - Component A		40 %	Presentation and oral exam (2 hour)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B	✓	60 %	Position paper (2000 words)
Examination - Component A		40 %	Presentation and oral exam (2 hour)

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will be able to:

	Module Learning Outcomes
MO1	Demonstrate your familiarity with contemporary debate in at least two thematic areas relevant to engineering in society
MO2	Evaluate current resources, data and technologies related to the selected thematic areas
MO3	Critically review contemporary policy and practice within the selected thematic areas
MO4	Identify strategic responses and research needs

Contact Hours

Contact Hours	
Independent Study Hours:	
Independent study/self-guided study	112
Total Independent Study Hours:	112
Scheduled Learning and Teaching Hours:	
Face-to-face learning	38
Total Scheduled Learning and Teaching Hours:	38
Hours to be allocated	150
Allocated Hours	150

Reading List

The reading list for this module can be accessed via the following link:

https://uwe.rl.talis.com/modules/ubgmgr-15-3.html