MODULE SPECIFICATION

Part 1: Information			
Module Title	Professionalism for Engineers		
Module Code	UFMFNQ-15-3	Level	Level 6
For implementation from	2019-20		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Engineering, Design and Mathematics
Department	FET Dept of Engin Design & Mathematics		
Module type:	Project		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Educational Aims: This module will introduce you to the concept of the "Professional Engineer", its meaning for you and how this impacts your career. You will be able to identify personal goals, review what evidence you have so far to demonstrate your professionalism and how this can be used to develop an initial career plan. You will examine a range of different issues about and approaches to professionalism to support you through this process.

Outline Syllabus: The syllabus will enable you to:

Develop a structured portfolio to record your professional development

Identify and appraise your values

Discuss and reflect upon your strengths and areas for improvement, to help you focus on what means most to you

Understand the requirements of the Engineering Council's UK-SPEC for Engineers, and why this important for your career

Discuss the importance of understanding people and their behaviours

Develop a Gap Analysis and identify some of the opportunities to close these gaps

Develop your initial career plan for the next 10 years

Discuss this process and justify why your plan has developed the way it has.

Teaching and Learning Methods: Your learning is self-led, as professional development is very individual. However, this learning will be facilitated with a series of contact days across Level 6 of your degree programme. These will consist of workshops to enable you to consider aspects of engineering beyond technical requirements.

This will enable you to understand how engineers fit into society and the workplace and how you can begin to create a career and specific goals to achieving it. You will be introduced to the responsibilities of professional engineers.

Your output will be a portfolio designed for you to keep and update throughout your career.

Part 3: Assessment

The assessment is designed to help you understand your current expertise and potential, and also the step change you will face as a graduate engineer. You will discuss and reflect upon what it means to be an Professional Engineer, using the concepts proved in the module to help you. The portfolio forms each submission stage, demonstrating each aspect of the module's learning outcomes. Your career is personal to you and cannot be taught, but its initial development is facilitated by this module.

The assessment will be in three parts, all of this will be shared for assessment via your e-portfolio platform:

An appraisal of your current values, strengths and weakness, and how you work with others.

A skills gap analysis in relation to UK-SPEC for Engineers, identifying where you can already demonstrate partial competency, where your gaps exist and how you plan to fill them

Your initial career plan, with a report about its development justifying why you have created it this way.

Summative (Formal) Assessment

Part 1:
Analysis of the behavioural activities undertaken during the module workshops and how this has impacted you and others (1000 words)

Part 2:
Gap Analysis and development of UK-SPEC Skills Matrix – context, evidence and further actions planned identified

Part 3:
Report discussing the module and its impact on you at this stage of your degree; underpinned by relevant theory and analysis of the sector, and how this led to your career plan (2000 words).

Career Plan covering the next 10 years.

Resit Strategy
The same activities are required, all in the same submission, with improvements based on the feedback provided at the 1st attempt.

Resit "as 1st Sit" Strategy
The same activities are required, all in the same submission.

Formative Assessment

Students will be provided with the opportunity to discuss their progress through “webtutorials” during the module span. Informal contact with the tutors is encouraged, with guidance about availability will be provided.

The portfolio defines an individual’s professional development activity. Plagiarism is designed out by this – the submission is personal.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component A		30 %	Behavioural review (1000 words)
Set Exercise - Component A		35 %	Gap analysis and skills matrix
Report - Component B	✓	35 %	Final report (3000 words) and career plan
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Portfolio - Component A	✓	100 %	Portfolio containing all of Component A

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	**Reference**
Understand and demonstrate the ability to plan for professional development	MO1
Develop an awareness of Industry requirements via UK-SPEC for Engineers, and how their professional development relates to this	MO2
Develop self-awareness of behaviours and the importance of people in the engineering process, and what this means for their own development	MO3
Discuss relevant literature about engineers in society and how this impacts upon them	MO4
Justify their initial career plans and how they intend to achieve them, using their gap analysis to identify further learning – academic or work-based to achieve professional registration	MO5

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	115
Total Independent Study Hours:	115
Scheduled Learning and Teaching Hours:	
Face-to-face learning	35

	Total Scheduled Learning and Teaching Hours:	35
	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/index.html	

Part 5: Contributes Towards
This module contributes towards the following programmes of study: