MODULE SPECIFICATION

Part 1: Information			
Module Title	Individual Project		
Module Code	UFMEAY-30-3	Level	Level 6
For implementation from	2019-20		
UWE Credit Rating	30	ECTS Credit Rating	15
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: The nature of the project will be dependent on the topic being investigated. The project is designed to provide an opportunity for students to undertake individual, selfdirected work, in an area of their choice related to their award, and to further their other engineering-based knowledge. The project may encompass any aspect of engineering, and may result from a student's industrial work, from personal interest and experience, or from the university.

Outline Syllabus: The syllabus includes:

Project proposal. Selection of project, identification of university supervisor, estimation of resource requirements. Identification of key objectives and project goals.

Project summary. Presentation of short project report outlying investigations made and conclusions reached, and discussing the future direction of the research and its anticipated findings. Detailed statement of project aims and milestones. Statement of research methods to be adopted. Statement of resources required for project completion. Literature survey.

Project execution. Individual work on the project, by the student, under the close guidance of their individual university tutors.

Project written presentation. Preparation of final project report, to contain an introduction to the project and account of all work undertaken, its background, and all findings made. Final conclusion of the research accomplished, and identification of opportunities for additional work. A project poster will be produced, which will serve to introduce the investigation and the conclusions reached in a diagrammatic fashion.

Project oral presentation. Individual oral presentation and defence of the project.

Teaching and Learning Methods: During the project selection and identification stage, students will work closely with their supervisor to formulate a research proposal. This will define the scope of the investigations and experimental studies to be undertaken. It will also establish the resources necessary for project completion. Feedback on this assessed work, element A1, below, will be provided both by the supervisor and another reviewer.

At the conclusion of the module, the student will be required to produce a dissertation covering all aspects of the work accomplished. It is not expected that the dissertation will be written after completion of the research - rather the student will be encouraged to produce the dissertation as the work proceeds. Guidance will be given on the writing and composition of the dissertation.

Students will also be required to produce a poster outlining their project, and to undertake a viva at which they will be expected to discuss their work and conclusions, at an assessment panel comprising their supervisor and additional project assessor.

Students will normally work independently with limited supervision. Each student is assigned a project adviser. The role of the adviser is to provide guidance and to monitor progress. Throughout the project, the student meets with their adviser occasionally, and there are also scheduled group workshops to cover generic skills. Students working on related projects are encouraged to meet together, possibly with their joint advisor.

Scheduled contact is of the one-to-one type, where the student and their advisor meet, of the small group type, where a group of students working on related project topics meet together with their advisor or of the large group type where students are provided with generic study skills advice eg information literacy.

Self-study involves the student’s engaging with the study and evaluation of their individual project investigation.

Placement learning: may include a practice placement, other placement, year abroad. This constitutes an average per level.

Contact Hours:

Formal lectures will be provided on specific project management topics as and when required.

Review meetings will be held on a regular basis between supervisor and student, at which project planning and progress will be discussed. The meeting will enable the supervisor to give feedback to the student, concerning the work undertaken and the progress achieved. Such meetings will take place typically at least once every fortnight during the teaching year. It will be the responsibility of the student to arrange such meetings.

Scheduled individual/small group contact:12 hours.
Scheduled large group contact: 2 hours.
Self-study and Assessment: 286 hours.
Total: 300 hours.

Part 3: Assessment

Shortly after the project selection phase, a concise project summary will be submitted by each project student (Element A1). The purpose of this is to verify that the project is proceeding along lines agreed with the university supervisor, that there is indeed the opportunity to produce a good project of the required standard and to ensure that there is a clear project plan. This summary will be marked by the individual supervisor in conjunction with a second reviewer. Guidelines to enable such marking to take place will be available. Feedback to the student on this work will be provided. This individual project will result in the compilation of a project thesis, and it is this that will be assessed as element A2. Guidelines will be provided to aid this assessment, and will cover all aspects of the project investigation and managements as described. Assessment will be by the project supervisor, the first marker, assisted by another academic, the second marker. Both markers will scrutinise the project, and arrive at tentative provisional marks.

A viva will take place, at which the student will have the opportunity to present and discuss the research undertaken and the findings and conclusions reached. The project markers may request explanation or other information, from the student, as they deem necessary for a thorough assessment.

Immediately following the viva, the project markers will confer and arrive at a final mark for the project. The project markers will discuss the report with the student, and outline the good and not-so-good points of the thesis. Their rational for the marks awarded will be outlined. Changes that the student could have made, to the investigative work or its management, that would have enhanced the final dissertation will be identified. In this manner, all students will be given academic feedback on their project work, immediately following the formal viva.

The provisional mark so produced, above, will not be finalised until after a formal project moderation process has been undertaken, at which all provisional project marks will be reviewed, adjusted if necessary, and confirmed. Note that some projects will be assessed by a third marker.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component A		10 %	Component A1: Project Interim Summary
Final Project - Component A	✓	90 %	Component A2: Project final report and viva
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Final Project - Component A	✓	100 %	Project Final Report

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
Identify the main issues to be examined and the problems to be solved in the execution of an engineering-discipline-related technical project	MO1
Undertake management of technical projects and select appropriate knowledge sources to guide project execution and fulfil the project aims	MO2
Complete technical work, undertake design and specification of critical components so as to enable experiments to be undertaken with success	MO3
Analyse experimental and other data arising, so as to ascertain results achieved, and compare these with the original project aims and objectives	MO4
Complete a critical appraisal of the technical work undertaken for the project and the overall management of the investigation	MO5
Prepare detailed documentation, in the form of a structured report, outlining the work accomplished and the conclusions reached	MO6
Make clear and well-argued and supported recommendations for the continuation of the further work and development of the project	MO7

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	286
Total Independent Study Hours:	286
Scheduled Learning and Teaching Hours:	
Face-to-face learning	14
Total Scheduled Learning and Teaching Hours:	14
Hours to be allocated	300
Allocated Hours	300

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: