

Module Outline

Part 1- as validated

1. Title	Individual Research Project (Work Based) Part B
2. Level	6
3. Credits	40
4. Indicative Student Study Hours	24 hours lectures 376 hours self-directed study
5. Core (must take and pass), Compulsory (must take) or Optional	Core

5. Brief Description of Module (purpose, principal aims and objectives)

The aim of the module is to enable students to demonstrate the connecting between academic study, investigative processes, and work-based scenarios in commercial settings.

The individual research project requires students to plan, execute, review and report upon a major piece of technical work directly related to the degree discipline. It provides students with the opportunity to develop a high degree of subject specific expertise.

The delivery structure of the module (lectures, online individual tutorials and research skills support sessions) reflects the overarching educational and professional purpose of the individual research project: to prepare the student for more autonomous study after the completion of the programme, to introduce postgraduate research skills at the end of a L6 qualification and to enable students to gain communication and presentation skills as part of a rounded professional profile.

Module 01H: Individual Research Project CORE

Learning Outcomes - On successful completion of this module a student will be able to:

	Subject Specific Learning Outcomes
1	Analyse, design, and synthesize an engineering project in a professional setting by applying advanced technical skills and appropriate research methodologies.
2	Demonstrate the connections between data collection and effective analysis.
3	Create a practice-based and research-underpinned position and communicate it effectively through an appropriate combination of presented, written, graphic, and visual means.

	Generic Learning Outcomes
4	Critically evaluate own learning and development, take responsibility for it, and apply reflection for improvement.
5	Analyse and evaluate ideas and concepts by considering information from a range of perspectives, including ethical considerations.

7. Assessment

Pass on aggregate or Pass all components

(Modules can only be pass all components if this is a PSRB requirement)

Pass on aggregate

Summary of Assessment Plan

	Type	% Weighting	Anonymous Yes / No	Word Count/ Exam Length	Learning Outcomes Coverage	Comments
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Note: Formative assessments are available during booked tutorial sessions.

1	Research Proposal	10%	No	1500 words	LO 1, 2, 3, 5	
2	Presentation, followed by group discussion led by the student	20% (presentation) 0% discussion	No	20 minutes	LO 4, 5	
3	Individual Project Report	70%	Yes	7000 words	LO 1, 2, 3, 5	

Further Details of Assessment Proposals

Give brief explanation of each assessment activity listed

Formative Assessment:

Formative assessments provide you with preliminary guidance, feedback, and feedforward on your proposed submissions. You should aim to book tutorial sessions and send your lecturers any work or areas of concern ahead of the session. This ensures you receive the best guidance possible

during your session. Please note, the quality of work sent across will directly influence the quality of feedback received, so ensure the work is detailed and in context.

In addition to tutorial sessions, you will also participate in in-class exercises which constitute part of the formative assessments. These exercises are designed to reinforce the module content and provide immediate feedback on your understanding. Your presentation below will also serve as an opportunity for you to receive formative guidance towards the individual project report.

Research Proposal:

Prepare a well-structured research proposal in preparation for your research project in your actual Individual Research Project module. As this assignment provides the theoretical and practical underpinning for your dissertation, the assignment provides the time and opportunity for you to explore different research approaches and methods, to critically evaluate different approaches and methods, and to make appropriate choices in preparation for your dissertation.

Presentation:

The presentation is delivered mid-module and enables the student to share draft (or anticipated/provisional) findings. It is also an opportunity for staff and peer feedback to inform the concluding process of any data collection or research reading.

Individual Project Report:

The individual project report is a dissertation-style document which reflects the research investigation, its processes, limitations, and conclusion. The critical summary of the findings also needs to identify any potential for future research.

8. Summary of Pre and / or Co Requisite Requirements

Not applicable

9. For use on following programmes

BEng Engineering