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Title: Major Project
Status: Definitive
Code: **6163PDE** (121758)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: Engineering

Team	Leader
Adam Papworth	Y
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Academic Level: FHEQ6 **Credit Value:** 40 **Total Delivered Hours:** 154
Total Learning Hours: 400 **Private Study:** 246

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Practical	22
Seminar	11
Workshop	121

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	Portfolio	Posters and Process Book	30	
Presentation	Viva	Viva	20	
Artefacts	Model	Final Display Model	50	

Aims

Provide an opportunity to complete a substantial piece of design work in a

supervised environment that is particular interest to the student. Students will be expected to demonstrate the application of knowledge and skill gained throughout the duration of their programme.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate independent creative thinking and judgement in the pursuit of solutions to complex design problems
- 2 Analytically apply design skills and techniques to produce design solutions to professional, highly creative standards
- 3 Follow a recognised design process from a design brief/specification and develop a design solution from a range of ideas.
- 4 Communicate a design to an audience and answer questions about the work.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Posters and Process Book	1	
Viva	4	
Final Display Model	2	3

Outline Syllabus

This is a self-determined project-based module to allow students the opportunity to demonstrate their design-thinking and design-craft skills. It builds on knowledge gained from the L6 Semester 1 module: Major Project Research Report.

The module consists of a major design project proposed by the student and validated by staff. The student, with tutorial guidance, will determine the nature and direction of the design project once they have undertaken a period of initial research (in module 6162PDE) and generated a series of design propositions based upon it.

The module involves a series of seminars and workshops, which focus on the delivery of the project solution propositions. Guidance is given on appropriate philosophies of approach, theory, methodologies and techniques.

Learning Activities

This module is primarily an opportunity for students to undertake a significant piece of self-directed design work prior to graduation. It is a supervised project and so the self-directed element of the module will be supported by frequent workshop sessions with an officially appointed supervisor. In order to support all students a series of seminars will be run throughout the academic year. This will be delivered through

50% synchronous online and 50% face to face sessions.

Notes

Students will be required to display their work in an official location as defined by the programme team and in a format according to the module documentation provided. An official oral examination (viva) in the same location will be done at a pre-arranged time and date. At the time of the oral examination, students will be required to confirm to the examination panel that the work which has been submitted, and which is on display, is entirely their own except for where acknowledgements or citations have been provided.