1. **Title of the module**

EENG6000 (EL600) Project

1. **Division or partner institution which will be responsible for management of the module**

Computing, Engineering and Mathematical Sciences

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

6

1. **The number of credits and the ECTS value which the module represents**

45 (ECTS 22.5)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Autumn and Spring

1. **Prerequisite and co-requisite modules**

none

1. **The programmes of study to which the module contributes**

BEng/MEng Electronic and Computer Engineering

BEng/MEng Electronic and Computer Engineering with a Year in Industry

BEng Biomedical Engineering

BEng Biomedical Engineering with a Year in Industry

BEng Mechanical Engineering

BEng Mechanical Engineering with a Year in Industry

1. **The intended subject specific learning outcomes.
On successfully completing the module students will be able to:**
	1. Execute a substantial piece of independent design or development engineering work
	2. Write a scientific report based on the research, development and evaluation they have conducted
	3. communicate information, ideas, problems, and solutions to both specialist and non-specialist audiences;
2. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**
	1. Analyse, interpret and present numerical results using a variety of methods
	2. show the qualities and transferable skills necessary for employment including: initiative and personal responsibility; decision-making in complex and unpredictable contexts; and the learning ability needed to undertake appropriate further training where appropriate.
	3. apply the methods and techniques that they have learned to review, consolidate, extend and apply their knowledge and understanding, and to initiate and carry out a substantial individual project including the use of scholarly reviews and primary sources.
3. **A synopsis of the curriculum**

Introduction to the project, research techniques, poster design, report structure and writing.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

Project Management, Baguley, P (2008) Publisher: Teach Yourself (London)

ISBN-10: 0340968184, ISBN-13: 9780340968185

Specific reading materials will be suggested by project supervisor

1. **Learning and teaching methods**

Contact Hours: 34

Independent Study Hours: 416

Total Study Hours: 450

1. **Assessment methods**

13.1 Assessment method

Project proposal 7%

Oral presentation 7%

Final project report with a viva voce examination (one hour) 82%

Poster presentation, 4%

13.2 Reassessment method

Like-for-like.

In the event of failure of this module, students on IET accredited programmes will be required to re-take the whole module starting with a new project.

1. ***Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section 12) and methods of assessment (section 13)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *9.1* | *9.2* | *9.3* |
| **Learning/ teaching method** |  |  |  |  |  |  |
| Independent study | **x** | **x** |  | **x** | **x** | **x** |
| Lectures | **x** | **x** | **x** | **x** | **x** | **x** |
| Personal supervision | **x** | **x** |  | **x** | **x** | **x** |
|  |  |  |  |  |  |  |
| **Assessment method** |  |  |  |  |  |  |
| Project proposal | **x** | **x** |  | **x** | **x** | **x** |
| Presentation |  |  | **x** | **x** | **x** |  |
| Poster presentation |  |  | **x** | **x** |  |  |
| Final report and viva voce examination | **x** | **x** | **x** | **x** | **x** | **x** |

1. **Inclusive module design**

The School recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **Internationalisation**

Many projects are suggested by academic staff who are internationally recognised researchers and these will often reflect their research and scholarship interests.

For software based projects, students will use software which is of internationally recognised standard.

Students are encouraged to research existing works from a diverse range of sources including internationally recognised data bases and journals where appropriate.

Relevant international standards will be followed.

**DIVISIONAL USE ONLY**

**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
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