1. **Title of the module**

EENG7500 (EL750) Systems Group Project

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

Computing, Engineering and Mathematical Studies

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

Level 7

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

60 credits (30 ECTS)

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 courses to which the module contributes**

MEng in Computer Systems Engineering

MEng in Computer Systems Engineering with a Year in Industry

MEng in Electronic and Communications Engineering

MEng in Electronic and Communications Engineering with a Year in Industry

MEng in Electronic and Computer Engineering

MEng in Electronic and Computer Engineering with a Year in Industry

1. **The intended subject specific learning outcomes.
On successfully completing the module students will be able to:**

1. Demonstrate an ability to use and apply fundamental knowledge in new situations, generating innovative designs.

2. Demonstrate an ability to extract pertinent data and apply it to new problems.

3. Demonstrate an ability to apply engineering techniques with awareness of commercial, industrial and other factors/risks.

4. Demonstrate an ability to apply business, management and professional practice to their project work.

1. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**
2. Communicate using a variety of methods
3. Apply their knowledge and understanding of project management

 3. Define and critically review the work of others

 4. Work co-operatively on group tasks involving complex challenges

 5. Resolve conflict

 6. Organise project management meetings

 7. Identify and define problems, explore optimal and alternate solutions, and decide on courses of action

1. **A synopsis of the curriculum**

This is the MEng project that accounts for half of the work of this year and is conducted on a group basis. It involves the application of technical skills and knowledge and requires group and project management skills.

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

None

1. **Learning and teaching methods**

Total contact hours: 50

Private study hours: 550

Total study hours: 600

1. **Assessment methods**
	1. Main assessment methods
* Seminar contributions with visiting staff: 5% (made up of 80% group mark, 20% individual mark)
* Written proposal: 12.5% (group mark)
* Proposal presentation: 5% (made up of 50% group mark and 50% individual mark)
* Interim progress presentation for visiting staff: 5% (made up of 20% group mark and 80% individual mark)
* Final report: 35% (group mark\*)
* Final presentation: 15% (made up of 50% group mark\* and 50% individual mark)
* Final demonstration: 15% (made up of 50% group mark\* and 50% individual mark)
* Final project poster: 5% (group mark\*)
* Self-assessment and PDP: 2.5% (individual mark)

\* The group mark for these assessments will be redistributed among group members according to supervisors' assessments and peer assessments of individual's contributions.

13.2 Reassessment methods

Reassessment instrument: like-for-like

1. **Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 8.4 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |  |
| Private Study | x | x | x | x | x | x | x | x | x | x | x |
| Lectures  |  |  | x | x |  | x |  |  |  |  |  |
| Seminars  |  | x | x | x | x | x | x | x |  |  |  |
| PC workshops |  | x | x | x | x | x |  |  |  |  |  |
| Group supervision | x | x | x | x | x | x | x | x | x | x | x |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |
| Seminar contributions |  |  | x | x | x | x | x | x |  |  |  |
| Written proposal | x | x | x | x | x | x | x | x | x | x | x |
| Proposal presentation | x | x | x | x | x | x | x | x |  | x | x |
| Interim review presentation |  |  | x | x | x | x | x | x | x | x | x |
| Final report | x | x | x | x | x | x | x | x | x | x | x |
| Final presentation/ demonstration | x | x | x | x | x | x | x | x |  | x | x |
| Final project poster  | x | x | x |  | x | x | x | x |  | x | x |
| Self-assessment and PDP |  |  |  |  | x | x | x |  | x | x |  |

1. **Inclusive module design**

The Division 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**

The MEng project will require an understanding and use of internationally developed standards for technology and relies on internationally recognised practises for project, system and group management.

**DIVISIONAL OFFICE 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 the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
|  |  |  |  |  |
|  |  |  |  |  |