1. **Title of the module**

EENG8900 (EL890) MSc Project

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

Engineering and Digital Arts

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)**

Spring and Summer

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

EENG8490 (EL849) Research Methods and Project Design

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

MSc/PGDip in Advanced Communications Engineering (and variants)

MSc/PGDip in Advanced Electronic Systems Engineering

MSc/PGDip in Information Security and Biometrics

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**
   1. Demonstrate an ability to gain systematic and comprehensive understanding of knowledge and techniques and apply them in new and unfamiliar situations, generating innovative designs.
   2. Demonstrate an ability to extract pertinent data, to apply analysis techniques and to critically evaluate and apply advanced problem-solving approaches and engineering techniques.
   3. Demonstrate an ability to identify and apply appropriate business, management and professional practice to their project work
   4. Demonstrate an ability to communicate with peers by way of verbal presentation and scientific writing
2. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**

9.1. present information orally

9.2. produce written documents

9.3. demonstrate an understanding of project management

9.4. identify and define problems

9.5. explore optimal and alternate solutions

9.6. decide on courses of action

1. **A synopsis of the curriculum**

This is a major MSc project where students will undertake the work in their own time under the regular supervision of a member of the academic staff and, where appropriate, industrial collaborators. There is one lecture which explains the processes and marking criteria used in the assessment of the module (dissertation and presentation).

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

This is a project module, students will be referring mainly to journal/conference papers relevant to their topics.

1. **Learning and teaching methods**

Total contact hours: 50

Private study hours: 550

Total study hours: 600

1. **Assessment methods**
   1. Main assessment methods

* Final report: 85% (between 35-60 pages)
* Final presentation: 15% (30 min)

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 |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |
| Private Study | x | x | x |  |  | x | x | x | x | x |
| Lectures |  |  | x |  |  |  | x |  |  |  |
| Supervision | x | x | x | x | x | x | x | x | x | x |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |
| Final report | x | x | x | x |  | x | x | x | x | x |
| Final presentation/ demonstration | x | x | x | 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**

The Msc 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.

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

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| Date approved | Major/minor revision | Start date of delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
| 27/01/2020 | Minor | January 2021 | 8, 14 | No |
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