1. **Title of the module**

COMP5800 (CO580) - Year in Computing Project

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

School of Computing

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

Level 5

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

30 credits (15 ECTS)

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

Spring

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

Co-requisite: COMP5830: An Introduction to Programming and Web Technologies

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

Year in Computing

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

8.1 Demonstrate an in depth understanding of particular technical topics (for instance, use of a particular programming language, or software development tool, component architecture or mathematical technique) beyond that obtainable from the rest of the programme. The specific topics will depend on the project topic chosen.

8.2 Demonstrate abilities in project organisation, implementation and documentation techniques.

8.3 Show that they can:

- Specify, design and implement a computer-based system;

- Evaluate and choose between potential solutions to a technical problem;

- Evaluate and deploy appropriate tools and techniques.

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

9.1 Demonstrate skill in scientific/technical writing.

9.2 Demonstrate skill in presentation of scientific/technical topics.

9.3 Acquire and apply scientific/technical knowledge in an independent fashion.

9.4 Reflect on and evaluate work performed.

1. **A synopsis of the curriculum**

Students undertake a project either individually or in a small group. The project will be related to computer science and/or software engineering, broadly construed. The project may be self-proposed or may be selected from a list of project proposals provided by academic staff. Typically, a project will involve the investigation, specification, design, implementation, documentation and demonstration of a technical artefact and related background research; the balance between these will vary from project-to-project. When possible, projects of related topics will be supervised by a single supervisor through regular small group supervision meetings.

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

This will depend entirely on the specific project topic chosen. Supervisors will give advice about readings.

1. **Learning and teaching methods**

Total contact hours: 13

Private study hours: 287

Total study hours: 300

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

Project, including technical report and presentation (100%)

13.2 Reassessment methods

Reassessment Instrument: 100% project

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* | *9.1* | *9.2* | *9.3* | *9.4* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |
| Supervisions | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Lectures | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Independent project work | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| **Assessment method** |  |  |  |  |  |  |  |
| Substantive project work / corpus | **X** | **X** | **X** | **X** |  | **X** | **X** |
| Technical report | **X** | **X** | **X** | **X** |  |  |  |
| Presentation |  |  |  | **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 topics addressed by this module relate to a field which is of international importance, given the global role of computers in today's technological innovation. The topics covered by this module are international in nature, being identical worldwide and independent of traditional spoken language.

**FACULTIES SUPPORT 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) |
| 19/11/2021 | Minor | September 2022 | 10, 12 | No |
|  |  |  |  |  |

Revised FSO Jan 2018