1. **Title of the module**

CO600 Group project

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

School of Computing

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

Level 6

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

30

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

Autumn and Spring

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

CO510 Software Engineering

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

Computer Science and related programmes

Computing

Computing and Business Administration

Computing Joint Honours

Business Information Technology

“Year in Industry” equivalents

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

8.1 Understand particular technical topics in depth (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.

8.2 demonstrate an enhanced understanding (gained from practical experience) of project organisation, implementation, analytical skills and documentation techniques (as studied in other courses).

8.3 specify, design and implement a computer-based system that meets a real need;

8.4 evaluate and choose between potential solutions to a technical problem;

8.5 evaluate and deploy appropriate tools and techniques and demonstrate a degree of innovation and/or creativity

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

9.1 Appreciate the dynamics of working in a group

9.2 Demonstrate oral presentation skills

9.3 Write a technical report

9.4 Acquire technical knowledge and understanding in an independent fashion.

9.5 Critically evaluate and reflect on work performed

9.6 Manage their time and resources effectively

1. **A synopsis of the curriculum**

Students, working in small groups, undertake a project related to computer science and/or software engineering. The project may be self-proposed or may be selected from a list of project proposals. A project will involve the specification, design, implementation, documentation and demonstration of a technical artefact, demonstrating the ability to synthesise information, ideas and practices to provide a quality solution together with an evaluation of that solution.

The project is supervised by a member of the academic staff, who holds weekly meetings with the group, during which s/he will give general advice and will assess the progress of the group and the contributions by individual students. Attendance at these meetings is compulsory and is monitored.

During the course of the project the group will work together to produce the technical artefact and supporting documentation.

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

None

1. **Learning and Teaching methods**

* The project constitutes one quarter of the year's work and a student is expected to expend about 1.25 days each week on it.
* Each group has a weekly meeting with their project supervisor which supports students in their self-learning and indicates appropriate resources.
* The skills necessary for the preparation of a technical report are covered by a lecture on this topic.

1. **Assessment methods.**

The module is assessed 100% as a Project, as follows:

* Although the project is undertaken on a group basis, it is assessed on an individual basis.
* Each student’s contribution to the project outcome is assessed, as evidenced by the technical report, other deliverables, contributions to supervision meetings and the viva voce examination.

Towards the end of the project, the group prepares

* a poster for public presentation;
* a technical report, in the style of an academic paper, describing the scientific/technical outcome of the project;
* a well-indexed corpus of material that supports the achievements claimed.
* A short video demonstrating the artefact working

In addition, each individual prepares a report outlining his/her contributions to each of the various aspects of the project. This report should not be a repeat of other material delivered as part of the project, but an assessment of the progress of the project and reflections on what the individual has learnt from undertaking it. In particular, it should include a description of the particular activities and outcomes that individual has contributed to the project, and of how the group worked together. This report will be discussed at an individual viva voce examination, during which the student will be given the opportunity to objectively and quantitatively highlight their contribution. The viva will normally be preceded by a short group presentation/demonstration of the project.

The allocation of marks to individuals for jointly prepared/delivered work is guided by the supervisor's assessment of the contribution made by that individual, by the individual reports and by the viva voce examination.

Assessment criteria:

* The quality of the technical report is judged according to the criteria for technical accuracy and clarity of expression that would normally be applied when refereeing academic papers.
* The quality of the deliverables. The emphasis of these deliverables will depend upon the nature of the project and may include: specifications, analyses, designs, implementations, research reports, technical and user documentation and literature surveys.

In the event of failure, no alternative assessment will be available. Credit can only be retrieved by repeating the module.

1. ***Map of Module Learning Outcomes (sections 8 & 9) to Learning and Teaching Methods (section12) and methods of Assessment (section 13)***

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** |  | *8.1* | *8.2* | *8.3* | *8.4* | *8.5* | *9.1* | *9.2* | *9.3* | *9.4* | *9.5* | *9.6* |  |
| **Learning/ teaching method** | **Hours allocated** |  |  |  |  |  |  |  |  |  |  |  |  |
| Independent Study and Group Project Work | 276 | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |  |
| Supervisions | 22 | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |  |
| Lecture | 2 |  |  |  |  |  |  |  | **X** |  | **X** |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Technical Report |  | **X** | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** | **X** | **x** |  |
| Substantive Project Work/Corpus |  | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **x** |  |
| Viva/Presentation |  | **X** | **X** | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** |  |  |

1. **The School recognises and has embedded the expectations of current disability equality legislation, and supports students with a declared disability or special educational need in its teaching. Within this module we will make reasonable adjustments wherever necessary, including additional or substitute materials, teaching modes or assessment methods for students who have declared and discussed their learning support needs. Arrangements for students with declared disabilities will be made on an individual basis, in consultation with the University’s disability/dyslexia student support service, and specialist support will be provided where needed.**
2. **Campus(es) or Centre(s) where module will be delivered:**

Canterbury and Medway

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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 the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
| 11/11/16 | Major | September 2016 | 6, 8-10, 13-14 | No |
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