## Module Descriptor 2014/15
School of Computer Science and Statistics.

<table>
<thead>
<tr>
<th>Module Code</th>
<th>CS4E2</th>
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</thead>
<tbody>
<tr>
<td>Module Name</td>
<td>Final Year Project</td>
</tr>
<tr>
<td>Module Short Title</td>
<td>N/a</td>
</tr>
<tr>
<td>ECTS weighting</td>
<td>15</td>
</tr>
<tr>
<td>Semester/term taught</td>
<td>Entire year</td>
</tr>
<tr>
<td>Contact Hours</td>
<td>N/a</td>
</tr>
<tr>
<td>Module Personnel</td>
<td>An agreed project supervisor from the lecturing staff.</td>
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</tbody>
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### Learning Outcomes
On successful completion of the project, the students will be able to:
- derive, apply and adapt solutions from the discipline specific knowledge gained in lectures and coursework, to a real world problem solving context;
- experience independent enquiry and investigation of a practical engineering problem, application or topic;
- assess and criticise information, methods and results for a defined engineering purpose;
- identify and formulate technical problems in such a manner as to make them amenable to solution;
- design a system, component or process to meet a specified goal;
- analyse and interpret results from experiments conducted during the course of the design process in order to modify improve or explain the functionality of the system, component or process being created;
- communicate effectively in technical and scientific writing, and to present scientific/technical concisely to a technical audience that may not be expert in the specific domain of the presentation;
- formulate the design of systems in terms of a schedule of intermediate goals that manifest in subsystems;
- manage workflow and task scheduling within the constraints of resources and time given specific design goals and deadlines;
- use industry standard hardware and/or software tools and codes of practice for all aspects of design including analysis and presentation;
- Examine and discuss the impact of the project design or theme on people and the environment.

### Module Learning Aims
To integrate the theoretical and practical knowledge of the student across all of the years of their study and provide a practical demonstration of their capability in executing a challenging project.

At the beginning of each academic year, students will be notified of the deadlines for project milestones and deliverables.
- Students must select a project and a supervisor
- Student should submit a one page abstract of their project
- Students shall present a demo of their project to their supervisor and second reader
- Students shall submit a project report

Students may either select a project from the list of project proposals put forward by the lecturing staff, or alternatively propose their own projects (in consultation with the course director).
In either case students must get the agreement of a supervisor before they will be considered as having selected a project. Supervisors may require a meeting with the student to discuss the project before accepting a supervision request. Once a supervisor agrees to supervise a project, details of the project assignment and will be recorded centrally by the supervisor.

Students may only select a single project, but they may change their minds and select an alternative project before the end of the 12th week of Semester 1. However, if a student selects a new project, they must notify both the old and new supervisors that their previously chosen project is to be cancelled.

**Choosing a project supervisor**

Students should note that each supervisor will only take a limited number of students. Once this limit has been reached a line will be put through their name on the list of potential supervisors. If you find the information is incorrect please send details to Final.Year.Project.Coordinator@cs.tcd.ie

Students should also note that there are only a limited number of supervisors in any area. Hence students are not guaranteed a project in their area of choice.

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**Recommended Reading List**

Arranged with project supervisor

**Module Pre Requisite**

N/a

**Module Co Requisite**

N/a

**Assessment Details**

Project Report and Demo – 100%
(The demonstration is informal and is not marked)

**Module approval date**

N/a

**Approved By**

N/a

**Academic Start Year**

N/a

**Academic Year of Data**

N/a