**Research Methods (COMP0030)**

**Description**

**Aims:**
The aims of this module are to: deepen the student's appreciation of what research in computer science is and how it is carried out; teach students how to read research publications critically; teach students how to evaluate research ideas; teach students how to perform a literature survey; outline the work needed to produce a research paper; and introduce the students to both seminal papers and cutting-edge research in computer science.

**Learning outcomes:**
On successful completion of the module, a student will be able to:
1. identify seminal and cutting-edge topics in computer science;
2. distinguish research topics from engineering tasks;
3. know how to go about evaluating the novelty and contribution of a research idea;
4. write a critical survey; Students should also gain a good knowledge of a number of areas of research carried out in the department.

**Content:**
Students are split into groups and each assigned a supervisor who will give them a batch of research papers and help to answer questions on those papers. Speakers from research groups in the department give an overview of their group's activities.

**Requisites:**
In order to be eligible to select this module, a student must be registered on a programme for which it is a formally-approved option or elective choice AND have passed Years 1 and 2 of BSc/ MEng Computer Science.