Group Research Project (COMP0031)

Description

Aims:
The aim of the module is to give undergraduate students exposure to cutting-edge research undertaken in the department and enhance student awareness of the range of research in computer science. The module will allow undergraduate students to develop research skills in computer science and its specific sub-disciplines, by means of an actual research project, conducted in small groups and under the direct supervision of an active academic researcher.

Learning outcomes:
On successful completion of the module, a student will be able to:
1. formulate research questions;
2. plan and execute research activities in a systematic and organized way;
3. critically evaluate and review their work and the work of others;
4. effectively communicate their research work and findings;

Content:
Students will work in groups to conduct a research project and produce a report/paper presenting their results, under the supervision of a member of research/academic staff. This work will build on that undertaken in the prerequisite module, COMP0030 Research Methods.
- Course introduction, team formation, assignment to research supervisor (to be the same as for COMP0030 Research Methods);
- Definition of scope of the projects and agreement of the steps to be undertaken (project specific);
- Research steps undertaken under the guidance and supervision of supervisor. Tutorials will run on a weekly basis;
- Preparation of final deliverables. Each team is required to submit a paper/report, presenting the results of the project (e.g., hypothesis/research idea, methodology followed,
experiments conducted, analysis of results). Each student is also required to submit a personal report giving (a) a critical assessment of the project results, (b) a detailed assessment of their own role, including a summary of what they contributed, and (c) a brief assessment of each group member; Reading lists are project-specific and will be provided on a per-group basis.

Requisites:
In order to be eligible to select this module, a student must e registered on a programme for which it is a formally-approved option or elective choice AND must have (i) passed BSc/ MEng Computer Science (Years 1 and 2) at UCL; AND (ii) taken in Term 1: Research Methods (COMP0030).