Professional Practice (COMP0135)

Description

Aims:
This module aims to advance students' education in the professional skills and awareness (e.g. project management, professional ethics, teamwork, contemporary software practice) that they will need to undertake successful careers in software engineering.

Learning outcomes:
On successful completion of the module, a student will be able to:
1. assess the effectiveness of solutions presented and to question them in an intelligent way;
2. synthesise solutions to, and discuss, general open-ended and contemporary professional issues and problems;
3. adopt reasoned ethical standpoints;
4. apply appropriate project management techniques;
5. appraise the utility of individual project management techniques within a given environment and originate new techniques within a sound framework;
6. outline the difference between use of project management techniques in small-scale activities such as the group project and those in industrial scale activities;

Content:
- Professional ethics
- Regulation and law
- Contemporary practice
- Importance of inclusion and diversity
- What are projects and how do we measure their success?
- The role of the project manager and team in influencing the outcome of a project;
- Communicating with stakeholders and ensuring buy-in.
The business case and writing effective goals;
- Project planning, monitoring and control. Structure of project reports;
- Agile project management;
- Trade-offs, optimisation and architecture decisions;
- Risk and opportunity management;

Key information

Year 2019/20
Credit value 15 (150 study hours)
Delivery PGT L7, Campus-based
Reading List View on UCL website
Tutor Dr Nicolas Gold
Term Term 2
Timetable View on UCL website

Assessment

- Written examination (main exam period): 100%

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-Creating, motivating and leading project teams;
-Quantitative criteria including financial appraisal;
-Retrospectives, process improvement and project reviews;

Note that not all topics are covered to the same depth.

Requisites:
In order to be eligible to select this module, a student must be registered on a programme for which it is formally available.