Data communications and wireless networking practical – CS7048

The aim of this module is to introduce students to best practice research methodology and equip them with the knowledge to structure empirical research projects and to present results in an appropriate manner.

The course is delivered through a combination of lectures, student group work and practical research work. All students are divided into research groups and are assigned a research project. The projects have a practical focus and require students to design an experiment to test network technologies and to collect and present data. The focus is on empirical as opposed to simulation based studies. The process of designing, conducting and presenting empirical research facilitates self-directed learning for the students.

Students who complete this module should:

- Have experience working as a group to accomplish a significant technical challenge.
- Be able to write a research paper detailing their research project and results
- Be aware of appropriate statistical tests and summaries given the type of data they have collected