



The  
University  
Of  
Sheffield.

Electronic &  
Electrical  
Engineering.

## **EEE6601 INVESTIGATIVE RESEARCH PROJECT**

**Credits: 60**

### **Course Description including Aims**

This unit aims to:

1. give students the opportunity to develop their ability to take responsibility for the organisation, management and technical progress of an extended, open ended, research led project.
2. give students the opportunity to apply both their technical and business based knowledge and skills developed during the MSc to a project at the frontiers of knowledge in a topic of relevance to the MSc topic.
3. allow students to use the industry standard measurement instruments and computational tools appropriate to their chosen area.
4. allow students to demonstrate their skills in imparting technical information both orally and in writing

### **Time Allocation**

12 weeks full time (approximately 480 hours) in the lab and in report writing.

### **Recommended Previous Courses**

All courses studied as part of the MSc relevant to the particular project.

### **Assessment**

Continuous assessment. Submission of a project plan in the spring semester and interim report in the early part of the summer semester. Submission of the final project dissertation and a combined oral presentation and viva examination in September.

### **Recommended Books**

### **Objectives**

On completion of the project successful students will be able to

1. plan and manage their time effectively to meet project goals
2. apply engineering principles to solve an unfamiliar problem
3. show an in depth knowledge of the state of the art in the project area.
4. demonstrate experimental skills appropriate for the project area.
5. present, in the form of a substantial project thesis, a concise and critical account of their work, its context and its significance.
6. effectively present and defend scientific work orally