MRes Medical Physics and Biomedical Engineering Research Project (MPHY0034)

Description

The MRes research project is a compulsory part of the Medical Physics & Biomedical Engineering MRes programme in which students undertake a substantial and original piece of scientific research on a topic of their choice under the supervision of two supervisors with expertise in the field of the project. During the course of the project, students develop and apply a wide range of practical skills, including performing a critical review of the relevant scientific literature; defining the aims of the project and the problem(s) to be tackled; designing experiments; collecting and analysing data; interpreting experimental results; communicating and justifying methodologies, findings, and conclusions; and developing an awareness of ethical considerations and the real-world context of their project in a healthcare or industrial setting. Students generally choose a project that aligns with their personal interests, academic background, and taught modules studied during the course. Most projects include elements of mathematics, physics, engineering and computing, but some have an emphasis on theoretical analysis and computer simulation, whilst others are strongly experimental in nature and involve building devices and/or using devices to collect data. All students are required to submit a project plan and interim progress reports, and to present their research via scientific posters and oral presentations to an audience comprising other students and academic and research staff.

Key information

Year: 2020/21
Credit value: 120 (1200 study hours)
Delivery: PGT L7, Campus-based
Reading List: View on UCL website
Tutor: Dr Robert Cooper
Term: Academic year (terms 1, 2, and 3)
Timetable: View on UCL website

Assessment

- Coursework: 5.0%
- Coursework: 10.0%
- Oral Presentation: 10.0%
- Oral Presentation: 15.0%
- Coursework: 10.0%
- Other Departmentally Managed: 5.0%
- Dissertation: 45.0%

Find out more

For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk

Disclaimer: All information correct as of March 2020. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.