Medical Physics and Biomedical Engineering

Clinical Engineering (MPHY0009)

Description
The purpose of this module is to provide technical and practical information to enable a good level of familiarity with medical devices typically found in a clinical environment.

Characteristics of equipment such as engineering principles, medical purpose, user operation, maintenance, design appraisal, and common faults will be presented.

Aims:
1. To apply electronics and physics knowledge to both the design and use of a number of clinical medical devices;
2. To be able to understand the use of clinical medical devices from a number of key perspectives;
3. To be familiar enough with clinical medical devices to: diagnose common equipment problems efficiently; prioritise clinical engineering activities; suggest improvements to existing equipment design;

Key information
- Year: 2018/19
- Credit value: 15 (150 study hours)
- Delivery: UG L5, Campus-based
- Reading List: View on UCL website
- Tutor: Dr Julian Henty
- Term: Term 1
- Timetable: View on UCL website

Assessment
- Coursework: 40%
- Written examination (main exam period): 60%

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 December 2018. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.