Medical Physics and Biomedical Engineering

Medical Instrumentation 1 (MPHY0004)

Description

The purpose of this module is to introduce students to medical instrumentation concepts, and to notions of electronics expected from biomedical engineers. The students will not learn to design complex circuits, but they will acquire the basic knowledge to understand them and be able to discuss them with electronics engineers. Current students should see the moodle page for this module. Note: this module is strictly for B/MEng Biomedical Engineering students only and not available for option/elective selection. Students will be able to: Explain basic concepts in medical instrumentation to another undergraduate Perform basic calculations in electronics Understand the range of electronics principles and appreciate how they underpin biomedical engineering Apply their knowledge of instrumentation to biomedical engineering applications.

Key information

Year 2019/20
Credit value 15 (150 study hours)
Delivery UG L4, Campus-based
Reading List View on UCL website
Tutor Dr Prabhav Nadipi Reddy
Term Term 2
Timetable View on UCL website

Assessment

- Written examination (main exam period): 50%
- Practical examination (departmentally managed): 50%

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 August 2019. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.