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:**

1. Explain basic concepts in medical instrumentation to another undergraduate;
2. Perform basic calculations in electronics;
3. Understand the range of electronics principles and appreciate how they underpin biomedical engineering;
4. Apply their knowledge of instrumentation to biomedical engineering applications;

**Key information**

- **Year:** 2018/19
- **Credit value:** 15 (150 study hours)
- **Delivery:** UG L4, Campus-based
- **Reading List:** [View on UCL website](#)
- **Tutor:** Dr Anne Vanhoestenberghe
- **Term:** Term 2
- **Timetable:** [View on UCL website](#)

**Assessment**

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

**Find out more**

For more information about the department, programmes, relevant open days and to browse other modules, visit [ucl.ac.uk](http://ucl.ac.uk)