Physics of the Human Body (MPHY0005)

**Description**
The module introduces the foundational physics needed to understand the function (and malfunction) of some of the major systems of the human body, linking physics to physiology and healthcare.

**You will learn:**
1. How the body maintains an optimal internal environment by comparing human auto regulation with other examples of control in science and engineering;
2. To examine thermoregulation of the human body in some detail and see examples of how relatively simple physical principles can be used to explain aspects of human physiology;
3. About human vision and hearing systems;
4. About pressure, volume and flow in blood vessels and the brain;
5. To perform an optics experiment to develop experimental skills and identify limitations;
6. To design and perform a physiology experiment to consider the implications of human variability in experimental design and analysis;

**Key information**
- **Year**: 2018/19
- **Credit value**: 15 (150 study hours)
- **Delivery**: UG L5, Campus-based
- **Reading List**: [View on UCL website](ucl.ac.uk)
- **Tutor**: Dr Terence Leung
- **Term**: Term 2
- **Timetable**: [View on UCL website](ucl.ac.uk)

**Assessment**
- Report: 20%
- Written examination (main exam period): 70%
- Coursework: 10%

**Find out more**
For more information about the department, programmes, relevant open days and to browse other modules, visit [ucl.ac.uk](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.