Medical Physics and Biomedical Engineering

MRI and Biomedical Optics (MPHY0019)

**Description**
This module is an introduction to both magnetic resonance imaging (MRI) and Biomedical Optics as used in clinical applications, with an emphasis on the underlying physical principles. It will provide a solid foundation for students who wish to: 1. Understand the physical principles of MRI and Biomedical Optics; 2. Understand how medical physics can be used to improve clinical practice; 3. Pursue research, or develop clinical or industrial applications, in MRI or Biomedical Optics.

A video description can be found at the UCL Media Central.

**Key information**
- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: UG L6, Campus-based
- **Reading List**: [View on UCL website](#)
- **Tutor**: Dr Robert Cooper
- **Term**: Term 2
- **Timetable**: [View on UCL website](#)

**Assessment**
- Written examination (main exam period): 80%
- Coursework: 20%

**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)

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.
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