Medical Physics and Biomedical Engineering

Treatment with Ionising Radiation (MPHY0038)

**Description**
The course is intended to provide the basic knowledge which a medical physicist working in a radiotherapy department would be expected to have. This includes: a knowledge of how quantities of radiation and radiation doses are measures, including the theory of radiation detectors and dosemeters; a knowledge of how cells are affected by exposure to ionising radiation and the mechanisms involved; knowledge of how the treatment plan for a patient is developed and carried out; a knowledge of the risks involved in the use of ionising radiation; and the concept of risk and radiation protection.

**Key information**
- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: UG L6, Campus-based
- **Reading List**: [View on UCL website](#)
- **Tutor**: Prof Gary Royle
- **Term**: Term 1
- **Timetable**: [View on UCL website](#)

**Assessment**
- Written examination (main exam period): 60%
- Group coursework: 40%

**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)
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**Key information**
- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: UGM L7, Campus-based
- **Reading List**: View on UCL website
- **Tutor**: Prof Gary Royle
- **Term**: Term 1
- **Timetable**: View on UCL website

**Assessment**
- Written examination (main exam period): 50%
- Group coursework: 50%

**Find out more**
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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.