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 2018/19
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
Group coursework: 40%
Written examination (main exam period): 60%

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 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.
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**Key information**

- **Year**: 2018/19
- **Credit value**: 15 (150 study hours)
- **Delivery**: UGM L7, Campus-based
- **Reading List**: [View on UCL website](#)
- **Tutor**: Prof Adam Gibson
- **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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