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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- and the concept of risk and radiation protection.

**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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