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

<table>
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<tr>
<th>Year</th>
<th>2018/19</th>
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<tr>
<td>Credit value</td>
<td>15 (150 study hours)</td>
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<tr>
<td>Delivery</td>
<td>UG L6, Campus-based</td>
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<td>Reading List</td>
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<td>Tutor</td>
<td>Prof Gary Royle</td>
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<td>Term</td>
<td>Term 1</td>
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<td>Timetable</td>
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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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