Computing in Medicine (MPHY0020)

**Description**

Students completing this course will be able to: Critically evaluate a computer's major hardware and software components Describe and demonstrate an understanding of the major uses of computers in a clinical setting Evaluate and justify technical, ethical, and legal aspects that need to be taken into account when implementing and using a hospital PACS system (e.g. data security) Demonstrate an understanding of the fundamentals of computer programming Write a MATLAB program to perform simple analysis and visualisation of medical data. Demonstrate an understanding of basic MATLAB commands and programming concepts. Demonstrate an understanding of basic principles of digital signal and image processing.

**Key information**

<table>
<thead>
<tr>
<th>Year</th>
<th>2019/20</th>
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<tbody>
<tr>
<td>Credit value</td>
<td>15 (150 study hours)</td>
</tr>
<tr>
<td>Delivery</td>
<td>UG L6, Campus-based</td>
</tr>
<tr>
<td>Reading List</td>
<td><a href="#">View on UCL website</a></td>
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<tr>
<td>Tutor</td>
<td>Dr Dean Barratt</td>
</tr>
<tr>
<td>Term</td>
<td>Term 1</td>
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<tr>
<td>Timetable</td>
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</tbody>
</table>

**Assessment**

- Written examination (main exam period): 66%
- Coursework: 34%

**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 June 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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Key information
Year 2019/20
Credit value 15 (150 study hours)
Delivery PGT L7, Campus-based
Reading List View on UCL website
Tutor Dr Dean Barratt
Term Term 1
Timetable View on UCL website

Assessment
- Written examination (main exam period): 66%
- Coursework: 34%

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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**: Dr Dean Barratt
- **Term**: Term 1
- **Timetable**: [View on UCL website](#)

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