Computing in Medicine (MPHY0020)

Description

Students completing this course will be able to:

1. Critically evaluate a computer’s major hardware and software components;
2. Describe and demonstrate an understanding of the major uses of computers in a clinical setting;
3. 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);
4. Demonstrate an understanding of the fundamentals of computer programming Write a MATLAB program to perform simple analysis and visualisation of medical data;
5. Demonstrate an understanding of basic MATLAB commands and programming concepts;
6. Demonstrate an understanding of basic principles of digital signal and image processing;

Key information

Year 2018/19
Credit value 15 (150 study hours)
Delivery UG L6, 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%

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.
Medical Physics and Biomedical Engineering

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Key information

Year 2018/19
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Delivery PGT L7, Campus-based
Reading List View on UCL website
Tutor Dr Dean Barratt
Term Term 1
Timetable View on UCL website

Assessment

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- Coursework: 34%

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- **Year:** 2018/19
- **Credit value:** 15 (150 study hours)
- **Delivery:** UGM L7, Campus-based
- **Reading List:** [View on UCL website](https://www.ucl.ac.uk)
- **Tutor:** Dr Dean Barratt
- **Term:** Term 1
- **Timetable:** [View on UCL website](https://www.ucl.ac.uk)

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