Information Processing in Medical Imaging (MPHY0025)

**Description**

This module provides an essential introduction to theory and practice for information processing methods in medical imaging and computing. For students who have basic prior mathematics knowledge and programming experience, detailed concepts and examples of these “building block” topics are introduced. These, including medical image registration, segmentation and modern machine learning, are important computational components for understanding, developing and applying more advanced, applications-specific approaches in real-world medical imaging applications.

**Key information**

- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: PGT L7, Campus-based
- **Reading List**: [View on UCL website](#)
- **Tutor**: Dr Jamie McClelland
- **Term**: Term 2
- **Timetable**: [View on UCL website](#)

**Assessment**

- Written examination (main exam period): 50%
- Coursework: 50%

**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 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.
Information Processing in Medical Imaging (MPHY0025)

Description
This module provides an essential introduction to theory and practice for information processing methods in medical imaging and computing. For students who have basic prior mathematics knowledge and programming experience, detailed concepts and examples of these “building block” topics are introduced. These, including medical image registration, segmentation and modern machine learning, are important computational components for understanding, developing and applying more advanced, applications-specific approaches in real-world medical imaging applications.

Key information
- Year: 2019/20
- Credit value: 15 (150 study hours)
- Delivery: UGM L7, Campus-based
- Reading List: View on UCL website
- Tutor:
- Term: Term 2
- Timetable: View on UCL website

Assessment
- Written examination (main exam period): 50%
- Coursework: 50%

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.