Programming Foundations for Medical Image Analysis (MPHY0030)

**Description**

The aims of this module are to equip students with the confidence and basic skills to tackle practical medical image analysis problems using MATLAB and the C++ programming language.

The module has a practical rather than theoretical bias, and draws on fundamental concepts in scientific computing and software development.

The course is primarily aimed at those engaged in medical image analysis and medical image computing, drawing on example problems in this field, but most of the material is also applicable to programming for a wider range of problems in science and engineering.

**Key information**

- **Year**: 2018/19
- **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**

- Coursework: 100%

**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)
Programming Foundations for Medical Image Analysis (MPHY0030)

**Description**

The aims of this module are to equip students with the confidence and basic skills to tackle practical medical image analysis problems using MATLAB and the C++ programming language.

The module has a practical rather than theoretical bias, and draws on fundamental concepts in scientific computing and software development.

The course is primarily aimed at those engaged in medical image analysis and medical image computing, drawing on example problems in this field, but most of the material is also applicable to programming for a wider range of problems in science and engineering.

**Key information**

- **Year**: 2018/19
- **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](#)

**Assessment**

- Coursework: 100%

**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.