Medical Physics and Biomedical Engineering

Research Software Engineering with Python (MPHY0021)

**Description**

In this course, you will move beyond programming, to learn how to construct reliable, readable, efficient research software in a collaborative environment. The emphasis is on practical techniques, tips, and technologies to effectively build and maintain complex code. We will use the Python programming language to deliver this content, and you will learn Python programming in this course, developing from simple scripts for analysing research data to efficient numerical computation.

A video description can be found at the UCL Media Central.

**Key information**

- **Year**: 2020/21
- **Credit value**: 15 (150 study hours)
- **Delivery**: PGT L7, Campus-based
- **Reading List**: [View on UCL website](#)
- **Tutor**: Dr Matt Clarkson
- **Term**: Term 1
- **Timetable**: [View on UCL website](#)

**Assessment**

- Group project: 50.0%
- Coursework: 50.0%

**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 March 2020. 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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