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.

**Key information**
- **Year**: 2019/20
- **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**
- 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)
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.

Key information
- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: UGM L7, Campus-based
- **Reading List**: [View on UCL website](#)
- **Tutor**: Dr Matt Clarkson
- **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)