Research Computing with C++ (MPHY0022)

**Description**

In this course, we build on your knowledge of C++ to enable you to work on complex numerical codes for research. Research software needs to handle complex mathematics quickly, so the course focuses on writing software to exploit the capabilities of modern supercomputers and accelerator chips. But research software is also very complicated, so the course also focuses on techniques which will enable you to build software which is easy for colleagues to understand and adapt.

**Key information**

- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: PGT L7, Campus-based
- **Reading List**: [View on UCL website](https://www.ucl.ac.uk)
- **Tutor**: Dr Matt Clarkson
- **Term**: Term 2
- **Timetable**: [View on UCL website](https://www.ucl.ac.uk)

**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](https://www.ucl.ac.uk).

*Disclaimer:* All information correct as of June 2019. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.