Modelling and Analysis II (ENGF0004)

**Description**

The mode of delivery for this module is a blended learning approach integrating face-to-face lectures, weekly tutorials, structured online Moodle resources and computer programming and simulation using mathematical tools like MATLAB and spreadsheet software. Within the tutorials, students work on set problems that reinforce taught concepts and provide an opportunity to introduce how mathematics are applied in engineering context. This module follows on from ENGF0003 Mathematical Modelling and Analysis I and has a syllabus of more advanced mathematical concepts in the areas of Series and Transforms, Matrices, Vector Calculus, PDEs and Statistics/Data Modelling.

**Key information**

- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: UG L5, Campus-based
- **Reading List**: View on UCL website
- **Tutor**: Dr Abel Nyamapfene
- **Term**: Terms 1 and 2
- **Timetable**: View on UCL website

**Assessment**

- Written examination (main exam period): 60%
- Coursework: 40%

**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 August 2019. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.