**Process Systems Modelling and Design (CENG0025)**

**Description**

**Aims:**
The module aims to develop modelling concepts and simulation skills to consider complex process design in the context of safety and sustainable process plant development;

**Learning Outcomes:**
On completion of this module, the students will be expected to be:

- able to develop computational models for complex plant items;
- able to use contemporary simulation tools to modelling process behaviour;
- able to make informed decisions on process design based on conflicting and missing information in the context of safety and sustainable process plant development;

**Synopsis:**

*The following issues will be considered:*

- process systems engineering, process modelling, process synthesis, process optimisation, dynamic simulation and control system design;

Lectures, tutorials and e-learning resources will provide training in the techniques and tools required to carry out design projects applying advanced design concepts and computational tools;

**Key information**

**Year** 2018/19

**Credit value** 15 (150 study hours)

**Delivery** PGT L7, Campus-based

**Reading List** [View on UCL website](#)

**Tutor** Dr Michail Stamatakis

**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)
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Year: 2018/19
Credit value: 15 (150 study hours)
Delivery: UGM L7, Campus-based
Reading List: View on UCL website
Tutor: Dr Federico Galvanin
Term: Term 1
Timetable: View on UCL website

Assessment

- Coursework: 100%

Find out more

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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.