

## Biochemical Engineering

**Computer Aided Bioprocess Engineering (BENG0025)****Description**

This course is designed to help students to develop knowledge of how to use IT software, acquire elementary programming skills and numerical methods to solve bioprocess problems; to be aware of the concepts of bioprocess dynamics and control for product quality and plant safety.

Upon completion of the course, a student should be able to:

- use different computational software such as BioSolve and Matlab, for bioprocess design, operation and management within the framework of solving biochemical engineering problems
- use simulation and optimisation for bioprocess design and operation decision-making
- obtain the skills to design and assess a control system in bioprocesses

**Key information**

<b>Year</b>	2019/20
<b>Credit value</b>	15 (150 study hours)
<b>Delivery</b>	UG L6, Campus-based
<b>Reading List</b>	<a href="#">View on UCL website</a>
<b>Tutor</b>	<a href="#">Dr Yuhong Zhou</a>
<b>Term</b>	Term 1
<b>Timetable</b>	<a href="#">View on UCL website</a>

**Assessment****Find out more**

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