LONDON'S GLOBAL UNIVERSITY

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.

Intended learning outcomes

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

Year	2018/19
Credit value	15 (150 study hours)
Delivery	UG L6, Campus-based
Reading List	View on UCL website
Tutor	Dr Yuhong Zhou
Term	Term 1
Timetable	View on UCL website

Assessment

BAD ASSESMENT DATA

Find out more

For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk