Biochemical Engineering

Bioprocess Design Study (BENG0020)

Description

The course is designed to apply underpinning science and engineering knowledge gained in earlier courses towards the complete design of a bioprocess plant for the production of biotech products arising out of life science discoveries. Such products would typically include biopharmaceutical products arising out of Phase II clinical trials.

Upon completion of the course, a student will acquire skills to:

- Examine key phases in the design cycle applied to facility design
- Create and analyse bioprocess flowsheets
- Economically appraise bioprocess flowsheets
- Apply engineering principles and life science knowledge to an industrially-relevant open-ended problem
- Make decisions under uncertainty and having incomplete data
- Plan, organize and prioritize team activities
- Defend design options and decisions taken

Key information

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

Assessment

- Coursework: 90%
- Coursework: 10%

Find out more

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