

Biochemical Engineering

Biochemical Reaction Engineering (BENG0024)**Description**

This course provides the Biochemical Engineering students with the necessary knowledge of the fundamentals of reaction engineering, reactor design and operation with special emphasis on biocatalytic processes.

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

- Explain key principles of biocatalysis
- Calculate biocatalyst kinetics for homogeneous and heterogeneous enzyme reactions
- Describe immobilisation methods and analyse yields
- Calculate productivity and yield of biocatalytic reactions in batch, continuous and plug flow reactors
- Appraise the performance of ideal and non-ideal reactors
- Illustrate methods of In-Situ Product Removal

Key information

Year	2019/20
Credit value	15 (150 study hours)
Delivery	UG L6, Campus-based
Reading List	View on UCL website
Tutor	Prof Nicolas Szita
Term	Term 1
Timetable	View on UCL website

Assessment**Find out more**

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