

COURSE DETAIL

REACTION ENGINEERING 1

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Chemical Engineering

UCEAP Course Number

135

UCEAP Course Suffix

Y

UCEAP Official Title

REACTION ENGINEERING 1

UCEAP Transcript Title

REACTION ENGR 1

UCEAP Quarter Units

7.50

UCEAP Semester Units

5.00

Course Description

The course provides the fundamental theory for the design and analysis of (pseudo-) homogeneous chemical reactors. It considers ideal isothermal and non-isothermal reactor systems, and reactors involving non-ideal flow. Students learn to describe batch, semi-batch, and continuous reactor operation; homogeneous, and heterogeneous reactors; and ideal and non-ideal flow models.

Language(s) of Instruction

English

Host Institution Course Number

CENG50004

Host Institution Course Title

REACTION ENGINEERING 1

Host Institution Course Details

<https://my.uceap.universityofcalifornia.edu/sites/default/files/host-course-syl...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Chemical Engineering

Course Last Reviewed

2024-2025

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