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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Chemical Engineering

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