

# 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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