

# COURSE DETAIL

## STRUCTURAL DESIGN

**Country**

United Kingdom - England

**Host Institution**

Imperial College London

**Program(s)**

English Universities, Imperial College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Civil Engineering

**UCEAP Course Number**

115

**UCEAP Course Suffix**

Y

**UCEAP Official Title**

STRUCTURAL DESIGN

**UCEAP Transcript Title**

STRUCTURAL DESIGN

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

### **Course Description**

In this course, students analyze the behavior of reinforced concrete subjected to flexure, shear, and axial loading. Students explore the concept of reinforced concrete design at serviceability and ultimate limit states. Students undertake the design of reinforced concrete beams, slabs, and columns in accordance to Eurocode 2.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

CI2-213

### **Host Institution Course Title**

STRUCTURAL DESIGN

### **Host Institution Course Details**

### **Host Institution Campus**

Imperial College London

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Civil Engineering

### **Course Last Reviewed**

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