

COURSE DETAIL

STRUCTURAL MECHANICS

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

119

UCEAP Course Suffix

Y

UCEAP Official Title

STRUCTURAL MECHANICS

UCEAP Transcript Title

STRUCTURL MECHANICS

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course examines the analysis of stresses and strains in solid deformable bodies subjected to bending, shearing, and twisting actions. The course provides a basic understanding of the physical behavior of complex structural elements, and gives students familiarity with the methods required to analyze them. Students calculate the stresses and strains in, and displacements of, a number of complex but commonly used structural elements which are assumed to deform elastically.

Language(s) of Instruction

English

Host Institution Course Number

CI2-231

Host Institution Course Title

STRUCTURAL MECHANICS

Host Institution Campus

Imperial College London

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Civil Engineering

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