

COURSE DETAIL

ELASTICITY AND PLASTICITY A

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

132

UCEAP Course Suffix**UCEAP Official Title**

ELASTICITY AND PLASTICITY A

UCEAP Transcript Title

ELASTICTY&PLASTICTY

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

Students are introduced to fundamental aspects of the theory of elasticity and how the results can be related to engineering applications. This includes classical problems relating to plane stress and strain, end loading problems relating to both torsion and shear, and an introduction to the finite element method. Although the emphasis is on theory, real-world applications are used as motivating and practice examples. Where practical, these examples are linked to current or recent research within the department. This is the fall only version of the year long course (MECH0026).

Language(s) of Instruction

English

Host Institution Course Number

MECH0027

Host Institution Course Title

ELASTICITY AND PLASTICITY A

Host Institution Campus

University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

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