

COURSE DETAIL

STRESS ANALYSIS 3A

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

155

UCEAP Course Suffix

UCEAP Official Title

STRESS ANALYSIS 3A

UCEAP Transcript Title

STRESS ANALYSIS 3A

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course reinforces students' previous knowledge of stress analysis, and extends this knowledge to more advanced theories and techniques, and to apply these to practical problems. Most of these are developments of methods which have been previously acquired but to more sophisticated problems. New areas of thermal stresses, plastic deformation and residual stresses are treated and a new technique of analysis using energy methods is also introduced and developed.

Language(s) of Instruction

English

Host Institution Course Number

MECH60014

Host Institution Course Title

STRESS ANALYSIS 3A

Host Institution Course Details

<https://www.imperial.ac.uk/mechanical-engineering/study/undergraduate/detailed-...>

Host Institution Campus

Kensington

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

Course Last Reviewed

2023-2024

[Print](#)