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

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