COURSE DETAIL

FINITE ELEMENT ANALYSIS AND APPLICATIONS A
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 114
UCEAP Course Suffix
UCEAP Official Title FINITE ELEMENT ANALYSIS AND APPLICATIONS A
UCEAP Transcript Title FINITE ELEMNT ANLYS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course teaches students to use finite element programs in a practical way to solve problems in linear elastic stress analysis. Upon completion of the course, students are able, in a later industrial setting, to undertake the analysis of real problems with a fair understanding of sensible modelling procedures. In support of this, the course is split into two stages: the theoretical study of the finite element method, with emphasis on understanding what goes on inside a typical, modern, commercial program; and practical experience in analysis using an industry-standard, interactive, finite element program.

Language(s) of Instruction
English

Host Institution Course Number
MECH60007

Host Institution Course Title
FINITE ELEMENT ANALYSIS AND APPLICATIONS A

Host Institution Course Details
https://www.imperial.ac.uk/people/u.hansen/teaching.html

Host Institution Campus
Imperial College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed
2022-2023

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