COURSE DETAIL

COMPUTATIONAL CONTINUUM MECHANICS 2
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 126
UCEAP Course Suffix
UCEAP Official Title COMPUTATIONAL CONTINUUM MECHANICS 2
UCEAP Transcript Title COMP CONTINU MECH 2
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course introduces students to the fundamentals of continuum mechanics that underpin the theoretical understanding of many engineering disciplines and to demonstrate how problems in continuum mechanics can be solved using numerical techniques. Particular attention is paid to the theory and implementation of the finite element method. The course provides the theoretical basis for higher level courses on applications of finite element methods and finite volume methods and is a companion module to Fluid Mechanics and Stress Analysis.

Language(s) of Instruction
English

Host Institution Course Number
MECH60021

Host Institution Course Title
COMPUTATIONAL CONTINUUM MECHANICS A

Host Institution Course Details
https://www.imperial.ac.uk/mechanical-engineering/study/undergraduate/detailed-...

Host Institution Campus
Imperial College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed
2023-2024

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