COURSE DETAIL

MATERIALS 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 128
UCEAP Course Suffix
UCEAP Official Title MATERIALS 2
UCEAP Transcript Title MATERIALS 2
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course develops the understanding, securely based on materials science, of various common failure modes, the reasons for their occurrence and how we seek to avoid failure by design. This course enables students to predict component failures under multiaxial loading conditions due to yielding, fracture, fatigue and creep mechanisms and to identify these failure mechanisms in practice, and to design against them.

Language(s) of Instruction
English

Host Institution Course Number
MECH50005

Host Institution Course Title
MATERIALS 2

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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