COURSE DETAIL

ELECTROCERAMICS
Country United Kingdom - England
Host Institution Imperial College London
Program(s) Imperial College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Materials Science
UCEAP Course Number 176
UCEAP Course Suffix
UCEAP Official Title ELECTROCERAMICS
UCEAP Transcript Title ELECTROCERAMICS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course gives students an understanding of the fundamental science governing the electronic and ionic conductivity of metal oxides and to then use this knowledge to describe the operation of devices based on these properties, such as gas sensors, fuel cells, batteries, varistors, and PTCRs.

Language(s) of Instruction
English

Host Institution Course Number
MATE70017

Host Institution Course Title
ELECTROCERAMICS

Host Institution Course Details
https://www.imperial.ac.uk/people/a.aguadero/teaching.html

Host Institution Campus
Kensington

Host Institution Faculty

Host Institution Degree

Host Institution Department
Engineering

Course Last Reviewed
2023-2024

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