COURSE DETAIL

SUSTAINABLE ENERGY TECHNOLOGIES
Country United Kingdom - England
Host Institution Imperial College London
Program(s) Imperial College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Chemical Engineering
UCEAP Course Number 158
UCEAP Course Suffix
UCEAP Official Title SUSTAINABLE ENERGY TECHNOLOGIES
UCEAP Transcript Title SUSTAINABLE ENERGY
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

The course develops the tools required for the application of new energy and renewable energy systems to the problems faced by climate change and global energy security while transitioning to a zero emissions economy. The focus is on the application of materials for the development of new energy recovery systems such as nanostructured surfaces for solar harvesting, solar fuels, batteries/capacitors, and fuel cells/electrolysers. Biomass as a potential alternative to clean energy is also discussed along with its different scenarios and the associated advantages and risks.

Language(s) of Instruction
English

Host Institution Course Number
CENG60017

Host Institution Course Title
SUSTAINABLE ENERGY TECHNOLOGIES

Host Institution Course Details
https://www.imperial.ac.uk/media/imperial-college/study/programme-specification...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Chemical Engineering

Course Last Reviewed
2023-2024

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