COURSE DETAIL

CLIMATE AND ENERGY (LEVEL 2)
Country United Kingdom - England
Host Institution University College London
Program(s) Summer at University College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 130
UCEAP Course Suffix S
UCEAP Official Title CLIMATE AND ENERGY (LEVEL 2)
UCEAP Transcript Title CLIMATE&ENERGY
UCEAP Quarter Units 6.00
UCEAP Semester Units

4.00

Course Description

What is the evidence for anthropogenic climate change? How can we generate low-carbon electricity from nuclear and renewable sources, and how can we make our transport infrastructure greener? If we fail to reduce greenhouse gas emissions sufficiently rapidly, will we need to intervene directly in the climate system through so-called “geoengineering”? This course covers all of these topics, with a strong emphasis on the underlying physical principles and deriving simple estimates of the potential contribution of various low-carbon energy sources. In addition to attending lectures, students research one particular aspect of climate & energy in depth and present their findings in an essay and associated short presentation.

Language(s) of Instruction
English

Host Institution Course Number
ISSU0049

Host Institution Course Title
CLIMATE AND ENERGY (LEVEL 2)

Host Institution Course Details
https://www.ucl.ac.uk/prospective-students/summer-school/modules/climate-and-en...

Host Institution Campus
Bloomsbury

Host Institution Faculty

Host Institution Degree
Bachelors

Host Institution Department

Physics

Course Last Reviewed
2022-2023

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