

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 Campus

Bloomsbury

Host Institution Faculty

Host Institution Degree

Bachelors

Host Institution Department

Physics

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