

COURSE DETAIL

ENERGY FUTURES: ENVIRONMENT AND SUSTAINABILITY

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Geography Environmental Studies

UCEAP Course Number

122

UCEAP Course Suffix**UCEAP Official Title**

ENERGY FUTURES: ENVIRONMENT AND SUSTAINABILITY

UCEAP Transcript Title

ENERGY FUTURES

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The extraction, production, distribution and use of energy sources has significant environmental, social, political and economic impacts. Impacts are multi-scalar, ranging from global climate change to socio-cultural disruption at local, national and regional scales. This module exposes students to these impacts and related energy geopolitics with detailed case studies. The module also gives students a comprehensive background of the development and use of promising future post-carbon alternative energy sources such as wind, solar, geothermal, tidal, and biofuels. It discusses how to build the energy-efficient architecture of a low carbon economy and develop sustainable energy system design for the future.

Language(s) of Instruction

English

Host Institution Course Number

GE2230,GE3254

Host Institution Course Title

ENERGY FUTURES: ENVIRONMENT AND SUSTAINABILITY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Geography

Course Last Reviewed

2022-2023

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