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

Print