

COURSE DETAIL

SUSTAINABLE ENERGY

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

SUSTAINABLE ENERGY

UCEAP Transcript Title

SUSTAINABLE ENERGY

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines sustainability and environmental impact of different energy technologies, including conventional energy sources as well as renewable and/or clean energy sources. The technological challenges, potential for future development, and environmental impacts (community, regional, and global) are discussed. Topics: energy production and use, environmental impact of energy use, fossil fuels and methods for making them more sustainable, clean fuels, electricity generation, renewable energy technologies (with emphasis on biomass, wind and solar energy), hydrogen, energy storage, and energy conservation.

Language(s) of Instruction

English

Host Institution Course Number

ENVS3010

Host Institution Course Title

SUSTAINABLE ENERGY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

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