

COURSE DETAIL

ENERGY ECONOMICS OF THE GREEN TRANSITION

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies Economics

UCEAP Course Number

122

UCEAP Course Suffix**UCEAP Official Title**

ENERGY ECONOMICS OF THE GREEN TRANSITION

UCEAP Transcript Title

ENERGY ECONOMICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course provides an understanding of the challenges associated with the transition from fossil-based fuels to renewable energy, considering both the supply and demand side of energy markets. This includes the technological challenges of introducing renewable energy in the energy system and the regulatory challenges of designing optimal policies to facilitate the transition. While the course generally deals with the several energy markets, special emphasis is placed on electricity markets due to the significant role of electricity in a carbon neutral energy system. The course applies theory and analytical tools from microeconomics, macroeconomics, and econometrics. A large part of the course is also based on numerical structural models of the energy system.

Language(s) of Instruction

English

Host Institution Course Number

AØKA08243U

Host Institution Course Title

ENERGY ECONOMICS OF THE GREEN TRANSITION

Host Institution Course Details

<https://kurser.ku.dk/course/a%c3%98ka08243u/2024-2025>

Host Institution Campus

Host Institution Faculty

Social Sciences

Host Institution Degree

Bachelor

Host Institution Department

Economics

Course Last Reviewed

2024-2025

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