

COURSE DETAIL

RENEWABLE ENERGY TECHNOLOGY IN ELECTRIC NETWORKS

Country

Germany

Host Institution

Technical University Berlin

Program(s)

Technical University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering Engineering

UCEAP Course Number

113

UCEAP Course Suffix**UCEAP Official Title**

Renewable Energy Technology in Electric Networks

UCEAP Transcript Title

RENEW ENERGY TECH

UCEAP Quarter Units

5.50

UCEAP Semester Units

3.70

Course Description

The course covers the topic of renewable resources, including wind, sun, tides, and biomass as well as their significance for energy supply. At the beginning, the focus lies on the control of a photovoltaic plant. The modeling comprises irradiation and maximum-power-point-tracking. Furthermore, the modeling of wind energy conversion systems is considered. Other topics include battery application, fuel cells, and tidal energy.

Language(s) of Instruction

English

Host Institution Course Number

0430 L 528

Host Institution Course Title

Renewable Energy Technology in Electric Networks

Host Institution Course Details

<https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschre...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Institut für Energie und Automatisierungstechnik

Course Last Reviewed

2021-2022

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