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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