COURSE DETAIL

WIND POWER TECHNOLOGY
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mechanical Engineering Electrical Engineering
UCEAP Course Number 137
UCEAP Course Suffix
UCEAP Official Title WIND POWER TECHNOLOGY
UCEAP Transcript Title WIND POWER TECH
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Electricity consumption in the world is increasing, both in terms of quantity and as a proportion of total energy consumption. Wind power has the potential to make a major contribution to the electricity generation and this with very low CO2 emissions.
The course covers wind turbine design and operation as well as of atmospheric flows and the wind's interaction with the turbines and their surroundings. The course describes the operation of the wind power plants, aero- and structural dynamics and control. Furthermore, special attention is paid to wind and wind measurements and, more comprehensively, electrical, political, economic and environmental aspects.

Language(s) of Instruction
English

Host Institution Course Number
MVKP15

Host Institution Course Title
WIND POWER TECHNOLOGY

Host Institution Course Details
https://kurser.lth.se/lot/course-syllabus-en/24_25/MVKP15

Host Institution Campus
Lund

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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