wir915 - Renewable Energy Systems

Module label: Renewable Energy Systems
Module code: wir915
Credit points: 6.0 KP
Workload: 180 h

Used in course of study: Master's Programme Sustainability Economics and Management > Additional Modules
Contact person:

Module responsibility:
- Bernd Siebenhüner
- Joachim Peinke
- Michael Hölling

Authorized examiners:
- Joachim Peinke
- Michael Hölling
- Michael Golba
- Herena Torio
- Hans-Gerhard Holtorf
- Robin Knecht

Entry requirements: None.

Skills to be acquired in this module:
Students learn details about the wide range of renewable energy sources and renewable energy technology as well as their background story.

Module contents:
Energy basics, energy resources, global energy overview, energy scenarios, techno-economic aspects of energy use (external costs, life cycle analysis, ...), environmental effects of energy use (greenhouse gas emissions, ozone, ...), conventional and advanced power plant technologies, power distribution, advanced storage technologies, solar thermal power plants, geothermal and ocean energies.

Reader's advisory:

Links:

Languages of instruction: German, English

Duration (semesters): 1 Semester

Module frequency: halbjährlich

Module capacity: unlimited

Modul level: MM-PB (Professionalisierungsbereichsmodul im Master)

Modulart: Wahlpflicht

Lern-/Lehrform / Type of program:

Vorkenntnisse / Previous knowledge:

Examination:

Time of examination: By the end of the lecture period.

Type of examination: Term paper or written exam.

Course type: Seminar

SWS:
Frequency:
Workload attendance: 0 h