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 Holtof
- 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
Module level: MM-PB (Professionalisierungsbereichsmodul im Master)
Modulart: Wahlpflicht
Lern-/Lehrform / Type of program
Vorkenntnisse / Previous knowledge
Examination: Final exam of module
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