Module label: Resource and Energy Economics
Module code: wir906
Credit points: 6.0 KP
Workload: 180 h

Used in course of study:
- Master's Programme Sustainability Economics and Management > Basic and Accentuation Modules
- Master's Programme Water and Coastal Management > Socioeconomics

Contact person:
Module responsibility
- [Christoph Böhringer](#)

Authorized examiners
- Die im Modul Lehrenden

Module counseling
- [Emmanuel Asane-Otoo](#)
- [Jan Schneider](#)

Entry requirements:
Skills to be acquired in this module:
- Understanding the (normative) problems of resource use
- Rationales and instruments for policy intervention into (energy) markets
- Command of analytical methods (incl. role of analytical and numerical models in policy analysis)
- Ability to judge energy policy issues based on sound economic analysis (theory)
- Ability to quantify the relevance of arguments (empirics).

Module contents:
The course deals with the following subjects: Resource economics - Economics of sustainable resource use, methods of resource economics, non-renewable resources, renewable resources. Energy economics - Markets and regulation: competitive markets as efficiency benchmark; market failures as a rationale for regulation - Fundamentals of energy system/market analysis: definitions and concepts; energy statistics and balances; elasticities and incidence of policy interference - Market imperfections and regulatory design: environmental externalities, imperfect competition - Electricity markets: supply, demand, market interactions, market failures and regulatory responses. Methods of teaching: The course is designed as a lecture that teaches the relevant methods, concepts and models and illustrates them with reference to practical examples.

Reader's advisory:
IEA: World energy outlook, annual.

Links:
- [Language of instruction](#): English
- [Duration (semesters)](#): 1 Semester
- [Module frequency](#): yearly
- [Module capacity](#): unlimited
- [Modulelevel](#): ---
- [Modulart](#): je nach Studiengang Pflicht oder Wahlpflicht
- [Lern-/Lehrform / Type of program](#): Lectures

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Total time of attendance for the module: 56 h