Technology
Arts Sciences
TH Köln

Course
EWS - Energy Economics

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General information

Long name	Energy Economics
Approving CModule	EWS_BaET
Responsible	Prof. Dr. Ingo Stadler Professor Fakultät IME
Level	Bachelor
Semester in the year	summer semester
Duration	Semester
Hours in self-study	78
ECTS	5
Professors	Prof. Dr. Ingo Stadler Professor Fakultät IME
Requirements	Students should be familiar with the functioning of energy supply systems, since the operationalization of the mediated economic efficiency calculations is discussed and practiced on the basis of power plants, wind turbines and photovoltaic systems and many others.
Language	German, English if necessary
Separate final exam	Yes

Final exam

Details

Students demonstrate in the exam that they can make energy-economic decisions and investment alternatives on the basis of profitability calculations and that they know how energy markets are structured.

Minimum standard

As a rule, at least 50% of the achievable points are required to pass the exam.

Exam Type

Students demonstrate in the exam that they can make energy-economic decisions and investment alternatives on the basis of profitability calculations and that they know how energy markets are structured.

Lecture / Exercises

Learning goals

Knowledge

Students use dynamic economic calculations to assess energy systems and alternatives, to make decisions for energy-related investments in buildings and can explain the functioning of energy markets.

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Lecture	2
Exercises (whole course)	1
Exercises (shared course)	0
Tutorial (voluntary)	0

Separate exam

none

Project

Learning goals

Skills

Students work on a project in weekly steps and apply the relevant skills from the lecture. They can earn bonus points for the exam.

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Project	1

Separate exam

Exam Type

working on practical scenarion (e.g. in a lab)

Details

Students work on a project in weekly steps and apply the relevant skills from the lecture. They can earn bonus points for the exam.

Minimum standard

The tasks are solved independently and completely.