

Course Manual EWS

Energy Economics

Version: 2 | Last Change: 05.08.2019 09:33 | Draft: 0 | Status: vom verantwortlichen Dozent freigegeben

– General information

Long name	Energy Economics
Approving CModule	<u>EWS_BaET</u>
Responsible	Prof. Dr. Ingo Stadler Professor Fakultät IME
Valid from	summer semester 2023
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

Literature

Literatur zur Investitionsrechnung

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 EN Klausur



– Lecture / Exercises

Learning goals

Goal type	Description
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.

Special requirements

none

Accompanying material	Lecture slides and exercises
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Separate exam	No
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Expenditure classroom teaching

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

– Lecture / Exercises

Learning goals

Goal type	Description
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
Tutorial (voluntary)	0

Special requirements

none

Accompanying material Terms of Reference

Separate exam Yes

Separate exam

Exam Type EN praxisnahes Szenario bearbeiten (z.B. im Praktikum)

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.