

## Course

# ENS - Energy Storage

---

Version: 2 | Last Change: 05.08.2019 09:47 | Draft: 0 | Status: vom verantwortlichen Dozent freigegeben

### ^ General information

Long name	Energy Storage
Approving CModule	<a href="#">ENS_BaET</a>
Responsible	Prof. Dr. Ingo Stadler Professor Fakultät IME
Level	Bachelor
Semester in the year	winter semester
Duration	Semester
Hours in self-study	78
ECTS	5
Professors	Prof. Dr. Ingo Stadler Professor Fakultät IME
Requirements	Mathematics Physics
Language	German, English if necessary
Separate final exam	Yes

## Final exam

### Details

Students know and explain the diverse energy storage solutions in the sectors of electricity, heating / cooling, gas and mobility and can select and calculate the best possible storage concepts for given storage tasks.

### Minimum standard

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

### Exam Type

Students know and explain the diverse energy storage solutions in the sectors of electricity, heating / cooling, gas and mobility and can select and calculate the best possible storage concepts for given storage tasks.

## ^ Lecture / Exercises

### Learning goals

---

#### Knowledge

Students know and explain the diverse energy storage solutions in the sectors of electricity, heating / cooling, gas and mobility and can select and calculate the best possible storage concepts for given storage tasks.

### Expenditure classroom teaching

Type	Attendance (h/Wk.)
Lecture	2
Exercises (whole course)	1

### Separate exam

none

## ^ Project

### Learning goals

---

#### Skills

Students receive an energy storage task to be solved. For this, they develop an energy storage concept and justify the elaborated solution technically and economically.

### Expenditure classroom teaching

Type	Attendance (h/Wk.)
Project	1

## Separate exam

### Exam Type

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

### Details

Students write a project report.

### Minimum standard

The report substantiates the chosen storage solution comprehensibly.