

# Course

## RT - Control Engineering

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### ^ General information

<b>Long name</b>	Control Engineering
<b>Approving CModule</b>	<a href="#">RT_BaET</a> , <a href="#">RT_BaTIN</a>
<b>Responsible</b>	Prof. Dr. Jens Onno Krah Professor Fakultät IME
<b>Level</b>	Bachelor
<b>Semester in the year</b>	winter semester
<b>Duration</b>	Semester
<b>Hours in self-study</b>	60
<b>ECTS</b>	5
<b>Professors</b>	Prof. Dr. Jens Onno Krah Professor Fakultät IME
<b>Requirements</b>	MA1, MA2, GE1, GE2, ASS, MT
<b>Language</b>	German
<b>Separate final exam</b>	Yes

### Final exam

#### Details

Written module examination

#### Minimum standard

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#### Exam Type

Written module examination

## ^ Lecture / Exercises

### Learning goals

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#### Skills

Transfer function of the closed control loop

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Selection of a appropriate controller for a given system

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Calculation of the stability of control loops

### Expenditure classroom teaching

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

### Separate exam

none

## ^ Practical training

### Learning goals

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#### Skills

Handling and correct application of engineering tools

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Use and evaluation of the controllers

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Structure of control equipment

## Expenditure classroom teaching

Type	Attendance (h/Wk.)
Practical training	1
Tutorial (voluntary)	0

## Separate exam

none