

## t.LEA1 - Leistungselektronik und elektrische Antriebe 1

**Person responsible for the course:** Jakob Lattmann, latj

**Credits:** 4

**Valid for:** 2011/2012

**Last saved:** 28.03.2012 17:36

### Learning objectives:

- to know and to calculate of ongoing power-electronic circuits
- Basic know how of the different types of electric drives. Stationary and dynamic behavior, automatic control

### Course content:

Power-Electronics:

- PE-Circuits with line commutation
- SVC-E-Learning-Course "H-Bridge"

Drives:

- DC-Drives, stationary and dynamic behavior.

### Previous knowledge:

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### Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14*2
Tutorial/Practicum	7*4
Group teaching	
Block instruction	
Seminar	

### Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

Number	Type	Weighting
1	End of term exam	60
1	Exam during the semester	20
1	Further assessments	20

### Language of instruction:

german

### Instruction material:

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### Comments:

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