

## t.EL4 - Elektrizitätslehre 4

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

**Credits:** 4

**Valid for:** 2011/2012

**Last saved:** 28.03.2012 17:36

### Learning objectives:

- methods to calculate of magnetic circuits
- Operational performance of electric drives (basics)
- Overview of the Power-Electronic-Devices for electric drives

### Course content:

- Ampere-turns and magnetic circuits
- Transformers (characteristics, linear model)
- DC-Drives
- Induction-Drives
- Synchronous-Drives (overview only)
- Power-Electronic-Converters

### 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	80%
1	Exam during the semester	20%
	Further assessments	

### Language of instruction:

german

### Instruction material:

script

### Comments:

