

t.LEA1 - Leistungselektronik und elektrische Antriebe 1

Person responsible for the course: Jakob Lattmann, latj

Credits: 4

Valid for: 2010/2011

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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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