

t.LEA2 - Leistungselektronik und elektrische Antriebe 2

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 self-commutation
- SVC-E-Learning-Course "DC/DC-Converter"

Drives:

- AC-Drives, statinary 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:

