

## t.IEP1 - Integrierte Entwicklung und Produktion 1

**Person responsible for the course:** Adrian Fassbind, faad

**Credits:** 4

**Valid for:** 2011/2012

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### Learning objectives:

Main focus:

- to acquire integrated ways of thinking and problem solving strategies
- to design products integrally and systematically
- to control and design the production process
- production planning and production management

### Course content:

Lecture: Main focus: Design and engineering of new products

- technical system
- humans as problem solvers / creativity
- process for designing new products and machines
- special gears
- design of drives
- pneumatic 1
- organisation in engineering; design and production
- methods in engineering; design and production

Practice

- exercises

### Previous knowledge:

PEMT 1-4

PEST 1-4

CAD knowledge

### Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x4L
Tutorial/Practicum	
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 (1 K, 1x P)	each 20%
	Further assessments	

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**Language of instruction:**

German

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**Instruction material:**

- Skript
- exercises

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**Comments:**

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