

## t.IEP1 - Integrierte Entwicklung und Produktion 1

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

**Responsible OU:** ZPP

**ECTS:** 4

**Valid for:** 2012/2013

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**Expertise:**

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**Methodological skills:**

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**Social skills:**

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**Personal skills:**

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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, CAx
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**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
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**Previous knowledge:**

PEMT 1-4

PEST 1-4

CAD knowledge

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**Teaching method:**

Type of lesson:	Number of lessons per week:
Lecture	14x4L
Tutorial/Practicum	
Block instruction	

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**Assessment:**

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

description	type	form	scope	assessment	weighting
Performance records during school hours	Test	written	2 L	grading	40%
Semester end exam	Test	written	2L	grading	60%

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**Language of instruction:**

German

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**Instruction material:**

- Skript
- exercises

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**Additional literature:**

Integrierte Produktentwicklung, Ehrlenspiel

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**Comments:**

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