

t.MAE3 - Mathematik: Analysis für Ingenieure 3

Person responsible for the course: Nadin Stahn, stan
Credits: 3
Valid for: 2011/2012
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Learning objectives:

The students know methods to solve complex problems analytical and apply these methods consciously.

Course content:

ODEs

- first order equations
- linear second order equations
- systems of equations - selected examples

combinatoric and elementary probability theory

real functions of several variables

- differential calculus
- elementary differential geometry
- integral calculus

Previous knowledge:

MAE1, MAE2

Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x(2L+2L)
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	
	Exam during the semester	
	Further assessments	accordant written determination of the lecturer at the beginning of the semester

Language of instruction:

German

Instruction material:
dependent on the lecturer

Comments:
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