Zurich University of Applied Sciences

School of Engineering

t.MAE4 - Mathematik: Analysis für Ingenieure 4

Person responsible for the course:	Nadin Stahn, stan
Credits:	3
Valid for:	2010/2011
Last saved:	19.08.2010 14:52

Learning objectives:

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

Course content:

Selected examples for partial differential equations

Elementary vector calculus
- flow, fields, trajectories,

stochastic processes
random variables, distributions,
elementary analytical statistic
regression and correlation

Previous knowledge:

MAE1, MAE2 and MAE3

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:

Deutsch

Instruction material:

Dozierendenabhängig

Blatter: Ingenieur Analysis II. Verlag der Fachvereine Zuerich
Jänich: Vektoranalysis. Springer
Henze: Stochastik für Einsteiger. Springer

Comments:

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