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aw

School of
Engineering

t.MA2 - Mathematik: Analysis 2

Person responsible for the course:	Christoph Zaugg, zght
Credits:	4
Valid for:	2010/2011
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Learning objectives:

The mathematical concepts and methods of the listed contents (see below) are introduced.

The students use these tools in order to solve problems at the following levels:

K1: know by heart, use schemes

K2: understand methods and concepts

K3: solve problems, are able to make a transfer to new situations

Course content:

1. Applications of calculus

2. Power series and expansions in Taylor series

Previous knowledge:

MA1

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	60%
2	Exam during the semester	40%
	Further assessments	

Language of instruction:

Deutsch

Instruction material:

Dozierendenabhängig

Courant: Differential- und Integralrechnung 1&2. Springer

Mayberg, Vachenauer: Höhere Mathematik. Springer

Jänich: Mathematik 1&2. Springer

Comments:

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