t.MAE1 - Mathematik: Analysis für Ingenieure 1

Person responsible for

Marcello Robbiani, roma

the course:

Credits: 3

Valid for: 2010/2011

Last saved: 08.09.2010 07:51

Learning objectives:

This course

- provides the mathematical armamentarium and the mathematical skiills needed for the ingeneering courses
- introduces to the mathematical approaches of problem solving and trains abstrakt thinking
- allows for the common knowledge in mathematics

Course content:

sets and predications

numbers and number systems

polynoms and polynomial functions

rational functions

sequences and series

limits and convergence

Introduction to the calcuclus of polynomial and rational functions

- differentiation
- integration

Ad hoc:

- elementary error analysis
- descriptive statistics

Previous knowledge:

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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	Туре	Weighting
1	End of term exam	0,6
2	Exam during the semester	2 x 0,2
	Further assessments	

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Language of instruction:

German

Instruction material:

Courant: Differential- und Integralrechnung 1&2. Springer Mayberg, Vachenauer: Höhere Mathematik. Springer

Jänich: Mathematik 1&2. Springer

Comments:

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