

t.MAG1 - Mathematik: Analysis und Geometrie 1

Person responsible for the course: Christoph Zaugg, zght

Credits: 5

Valid for: 2011/2012

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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. Elementary real functions
2. Sequences, series and limits
3. Introduction to derivatives
4. Vector analysis

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	
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	3
2	Exam during the semester	1
	Further assessments	

Language of instruction:

Deutsch

Instruction material:

Dozierendenabhängig

K. Königsberger: Analysis 1&2, Springer

O. Forster: Analysis 1&2, Vieweg

Mathematik, T. Arens et al.

Spektrum Akademischer Verlag (Heidelberg 2009)

Comments:

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