

t.MLAL1 - Mathematik: Lineare Algebra 1

Person responsible for the course: Roger Manz, maro

Credits: 4

Valid for: 2010/2011

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Learning objectives:

Introduction in the mathematical way of thinking and training of the abstraction ability. Get the mathematical aspect of the general education.

Course content:

Linear Algebra:

- Calculus with matrices, Determinantes
- System of linear equations, Gauss-Elimination
- Vectorspace, Subspace, Base, Dimension
- Linear maps, Special linear maps like Projection, Reflection, Rotation
- Eigenvalue and Eigenvalues

Previous knowledge:

Vectorgeometry

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	2
2	Exam during the semester	1
	Further assessments	

Language of instruction:

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Instruction material:

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Comments:

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