

t.MLA2 - Lineare Algebra 2

Person responsible for the course: Roger Manz, maro

Credits: 3

Valid for: 2010/2011

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Learning objectives:

Introduction in the mathematical apparatus for Aviatik. 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:

- Orthogonality, Orthogonal Bases, Gram-Schmidt, QR-Decomposition
- Approximation im quadratischen Mittel: Lineare Ausgleichsrechnung, Fourier-Series

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	Type	Weighting
1	End of term exam	1,5
2	Exam during the semester	0,75
	Further assessments	

Language of instruction:

Deutsch

Instruction material:

Skript

Linear Algebra, Geodesy and GPS, Gilbert Strang, Kai Borre, WELLESLEY

Lineare Algebra, Howard Anton, Spektrum

Lineare Algebra für das erste Semester, Mike Scherfner, Pearson

Comments:

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