Zurich University of Applied Sciences

School of Engineering

t.MLA2 - Linear Algebra 2

Person responsible for the course:	Roger Manz, maro
Credits:	3
Valid for:	2009/2010
Last saved:	31.08.2010 15:12

Learning objectives:

- An introduction to mathematics for aviation.
- Getting the right mindset for mathematics.
- Training for abstraction.
- Understanding the basic principles mathematics.

Course content:

Linear Algebra:

- Orthogonality, Orthogonal Bases, Gram-Schmidt, QR-Decomposition
- Linear imaging, specific linear imaging such as projection, reflection, rotation
- Eigenvalues and eigenvectors

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:

German

Instruction material:

Skript

G. Strang, K. Borre: Linear Algebra, Geodesy, and GPS, WELLESLEY

Comments:

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