

## t.MLAE1 - Mathematik: Lineare Algebra für Ingenieure 1

**Person responsible for the course:** Marcello Robbiani, roma

**Credits:** 3

**Valid for:** 2011/2012

**Last saved:** 07.09.2011 09:44

### Learning objectives:

This course

- provides the mathematical armamentarium and the mathematical skills needed for the engineering courses
- introduces to the mathematical approaches of problem solving and trains abstract thinking
- allows for the common knowledge in mathematics

### Course content:

equalities and inequalities

systems of linear equations

matrices

coordinates and transformations

cartesian geometry

vectors and their applications in geometry

### 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	0,6
2	Exam during the semester	2 x 0.2
	Further assessments	

### Language of instruction:

Deutsch

### Instruction material:

Depending on lecturer

Fischer: Analytische Geometrie. Vieweg.

**Comments:**

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