

t.MFLMV - Mechanik Festigkeitslehre für Material- und Verfahrenstechnik

Person responsible for the course: Jürg Meier, mrjg
Credits: 2
Valid for: 2011/2012
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Learning objectives:

- Knowing and understanding fundamental loads of structures and the resulting stress and deformations
- Determining the stress on simple kinds of pressure vessels
- Knowing and determining the effect of combined loads on a component's strength

Course content:

- Normal and shearing stress on structures
- Tensile, pressure, bending, and torsion stress as well as deformations on rolled sections and tubes
- Pressure stress of thin-walled cylinders and spheres
- Combined loads, principal stress, equivalent stress

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14x2L
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	60%
2	Exam during the semester	20% each
	Further assessments	

Language of instruction:

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Instruction material:

Script of the lecturer

Comments:

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