

t.OG - Oberflächen und Grenzflächen

Person responsible for the course: Olaf Meincke, menk

Credits: 3

Valid for: 2010/2011

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Learning objectives:

The students

- know and understand the basics of fluid and solid surfaces
- know the relevance of adsorption
- know the relevance of cleaning and pre-treatment of surfaces
- know the properties and applications of metallic, conversional, ceramic and polymeric coatings
- know coating procedures
- know different methods for characterising of surfaces (combined with the course MAAN)
- gain an insight into the current research on functional surfaces and nanotechnology

Course content:

- Adsorption and desorption
- Cleaning and pre-treatment
- Properties and applications of metallic, conversion, ceramic and polymeric coatings
- Coating procedures
- Characterisation of surfaces

Previous knowledge:

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Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	10x3L
Tutorial/Practicum	4x3L
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	80%
1	written report	20%
n	Further assessments	

Language of instruction:

Deutsch

Instruction material:

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Comments:

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