

t.PHMO - Physik: Einführung in die moderne Physik

Person responsible for the course:	r Jürg Krieg, krjg
Responsible OU:	
ECTS:	1,5
Valid for:	2012/2013
Last saved:	11.03.2013 17:51
Expertise:	
Methodological skills:	
Social skills:	
Personal skills:	
foundamentals of physic	neory of Relativity, both developed at the beginning of the 20th century, build the stoday. The students get an introduction in the foundamental terms and models of inderstand the pricipal ideas of the new Modern Physics (quantumphysics).
Course content:	
Quantumphysics: Atomic models, crucial e applications (H-atom)	experiments, theoretical models, concepts of quantumphysics, wave particle duality,
Theory of Special Relative System of inertia, moved momentum and energy.	vity: d charge in electromagnetic field, Lorentz transformation, Minkovski diagrams,
Previous knowledge:	
Teaching method:	
Type of lesson: N	umber of lessons per week:
Lecture 14	4.0
1	4x2L
Tutorial/Practicum	4X2L

Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

description	type	form	scope	assessment	weighting
Performance records during school hours					
Semester end exam					

CAUTT				
Language of inst	ruction:			
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Instruction mater	·ial·			
mstruction mater	iai.			
Skript "Einführung	in die Moderne Ph	nysik"		
Additional literati	ure:			
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Comments:				

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