

Module description

Module title					Abbreviation
Advanced Undergraduate Laboratory (Classical Mechanics, Thermodynamics,					11-PGA-NN-072-m01
Basic Circuitry)					
Module coordinator				Module offered by	
Managing Director of the Institute of A		ector of the Institute of Ap	pplied Physics Faculty of Physics and Astronomy		
ECTS Metho		od of grading	Only after succ. con	ucc. compl. of module(s)	
4 (not) s		successfully completed			
Duration		Module level	Other prerequisites		
1 semester		undergraduate	Recommended: 11-PFR		
Contents					
Physical laws of mechanics, thermodynamics, optics, science of electricity, vibrations and waves.					
Intended learning outcomes					
The students have knowledge and skills of physical measuring instruments and experimental techniques. They are able to independently plan and conduct experiments in cooperation with others, and to document the results					
in a measurement protocol.					
Courses (type, number of weekly contact hours, language — if other than German)					
Beispiele aus Mechanik, Wärmelehre und Elektrik (Examples from Mechanics, Thermodynamics and Electricity,					
BAM): P (2 weekly contact hours)					
Klassische Physik (Classical Physics, KLP): P (2 weekly contact hours) Elektrizitätslehre und Schaltungen (Electricity and Circuits, ELS): P (2 weekly contact hours)					
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether					
module is creditable for bonus)					
This module has the following assessment components					
1. Lab course in part 1: a) Preparing, performing and evaluating the experiments will be considered successful-					
ly completed if a Testat (exam) is passed. b) Talk (with discussion) to test the students' understanding of the physics-related contents of the course (approx. 30 minutes).					
2. Lab course in part 2: a) Preparing, performing and evaluating the experiments will be considered successful-					
ly completed if a Testat (exam) is passed. b) Talk (with discussion) to test the students' understanding of the					
physics-related contents of the course (approx. 30 minutes).					
Students must register for assessment components 1 and 2 online (registration deadline to be announced).					
Students will be offered one opportunity to retake element a) and/or element b). To pass an assessment compo-					
nent, they must pass both elements a) and b).					
To pass this module, students must successfully complete two out of the three courses. To pass this module, students must pass both assessment component 1 and assessment component 2.					
Allocation of places					
Additional information					
Workload					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Committee of the commit					

Module appears in

Bachelor' degree (1 major) Nanostructure Technology (2008)

Bachelor' degree (1 major) Nanostructure Technology (2007)



Module description

Bachelor's degree (1 major, 1 minor) Physics (Minor, 2008)

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