

Module title		Abbreviation
Demonstration Laboratory Course 1		11-P-DP1-152-m01
Module coordinator		Module offered by
holder of the Chair of Physics and its Didactics		Faculty of Physics and Astronomy
ECTS	Method of grading	Only after succ. compl. of module(s)
4	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Fundamental experiments of physics education in primary and secondary level I, knowledge of tools typically used in school, goal setting and didactic potential of demonstration experiments, student experiments, free-hand experiments, model experiments, etc.; computer-aided experiments; measured value acquisition, interactive screen experiments, etc.; presentation of experiments; safety in physics education, presentation competencies.		
Intended learning outcomes		
Competencies in working with teaching tools and experimenting materials used in commerce and school; systematic analysis of error sources of own experiments; identification of categories of experiments, their functions and their didactic potential; experience in choosing, constructing and presenting experiments according to the learning goals and group of pupils, experience in using computerised demonstration and pupils experiments; safety standards of Physics classes.		
Courses (type, number of weekly contact hours, language — if other than German)		
P (4)		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
a) oral examination of one candidate each (approx. 10 minutes) or b) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German and/or English		
Allocation of places		
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Additional information		
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Workload		
120 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 53 I Nr. 1 c) § 77 I Nr. 1 d)		
Module appears in		
First state examination for the teaching degree Grundschule Physics (2015) First state examination for the teaching degree Realschule Physics (2015) First state examination for the teaching degree Gymnasium Physics (2015) First state examination for the teaching degree Mittelschule Physics (2015)		