

Module title		Abbreviation
Teaching Science with Hands-on-Exhibits (Physics)		11-MIND-Ph2-121-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)
2	(not) successfully completed	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	This module can be chosen by students studying at least one subject in the natural sciences.
Contents		
Designing and creating hands-on exhibits for STEM subjects.		
Intended learning outcomes		
The students evaluate the advantages and disadvantages of the hands-on approach for teaching scientific contents in and out of school. They plan and implement an interdisciplinary science exhibition as an example of project-oriented work with pupils of secondary level I and II.		
Courses (type, number of weekly contact hours, language — if other than German)		
S (no information on SWS (weekly contact hours) and course language available)		
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) written examination (approx. 45 minutes) or b) term paper (approx. 8 pages, time to complete: 1 to 4 weeks) or c) examination of one candidate each (approx. 10 minutes) or d) examination in groups (approx. 20 minutes, groups of 2)		
Allocation of places		
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Additional information		
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Workload		
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Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
First state examination for the teaching degree Grundschule Physics (2009) First state examination for the teaching degree Grundschule Didactics in Physics (Primary School) (2009) First state examination for the teaching degree Hauptschule Physics (2009) First state examination for the teaching degree Hauptschule Didactics in Physics (Secondary School) (2009) First state examination for the teaching degree Realschule Physics (2009) First state examination for the teaching degree Gymnasium Physics (2009) First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Secondary School) (2009) First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Middle School) (2013) First state examination for the teaching degree Mittelschule Physics (2013) First state examination for the teaching degree Mittelschule Didactics in Physics (Middle School) (2013)		