

Module title		Abbreviation
Advanced Didactics in Biology		07-GS-FDSOV-092-m01
Module coordinator		Module offered by
head of group Didactics of Biology		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
5	(not) successfully completed	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course).
Contents		
<p>This module will explore the topic "out-of-classroom learning environments in <i>Grundschule</i>" in more detail, focusing on water and forest habitats during the autumn (and winter) months. It will, for example, discuss how animals and plants adapt to the temperatures experienced during the cold months of the year. Students will identify typical indicator species of a lentic water body, using identification aids that are suitable for pupils in the respective type of school. They will also perform a chemical water analysis. In a forest habitat, students will learn to develop activity and problem-based lessons on this topic, lessons that are tailored to their target group and develop their pupils' affective, methodological and cognitive skills. Particular emphasis will be placed on encouraging an awareness of the need for environmental protection in pupils.</p>		
Intended learning outcomes		
<p>Insight into the ability of plants and animals to adapt to different abiotic environmental factors. Overview of the different zones lentic water bodies consist of and familiarity with selected representatives of plants typically found in these zones. Ability to prepare field guides tailored to the needs of the respective group of pupils. Insight into methods for chemical water analysis. Ability to develop activity-based, multisensory lessons on environmental protection to be delivered in the out-of-classroom learning environment "Forest" that are tailored to the target group.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
E + 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) seminar paper (17 to 20 pages), b) portfolio (approx. 90 hours)		
Allocation of places		
--		
Additional information		
--		
Workload		
--		
Teaching cycle		
--		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 36 (1) 7. Didaktik der Grundschule Biologie		
Module appears in		
First state examination for the teaching degree Grundschule Biology (2009)		
First state examination for the teaching degree Grundschule Didactics in Biology (Primary School) (2009)		

First state examination for the teaching degree Hauptschule Biology (2009)
First state examination for the teaching degree Hauptschule Didactics in Biology (Secondary School) (2009)
First state examination for the teaching degree Realschule Biology (2009)
First state examination for the teaching degree Sonderpädagogik Didactics in Biology (Secondary School) (2009)
First state examination for the teaching degree Sonderpädagogik Didactics in Biology (Middle School) (2013)
First state examination for the teaching degree Mittelschule Biology (2013)
First state examination for the teaching degree Mittelschule Didactics in Biology (Middle School) (2013)