

<b>Module title</b>		<b>Abbreviation</b>
Special Didactics Biology: Learning Places outside School		07-GY-FDASL1-092-m01
<b>Module coordinator</b>		<b>Module offered by</b>
head of group Didactics of Biology		Faculty of Biology
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
2	(not) successfully completed	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	By way of exception, additional prerequisites are listed in the section on assessments.
<b>Contents</b>		
<p>This module will provide participants with an overview of biology experiments that are suitable for introducing pupils to science, experiments that can be performed in a teach'n'learn lab and can be incorporated into the biology classroom at <i>Gymnasium (Mittelstufe and Oberstufe)</i>. Having gained an overview of traditional and modern methods in biology, participants will learn to incorporate these into school-specific experiments. Students will prepare classroom and lab sessions, will be trained in important techniques for measuring how effective a session was and will practise teaching these sessions to their fellow students in the teach'n'learn lab/teach'n'learn garden. Particular emphasis will be placed on ensuring that it is possible to implement the methods both with groups of pupils in the teach'n'learn lab and in the biology classroom at a <i>Gymnasium</i>.</p>		
<b>Intended learning outcomes</b>		
<p>Knowledge of both traditional and modern methods in biology. Ability to forge and maintain links with out-of-classroom learning environments. Ability to prepare sessions in a teach'n'learn lab and perform the respective follow-up work. Insight into how sessions in the teach'n'learn lab may raise the pupils' level of motivation and interest in biology in general and current topics in biology in particular. Knowledge of how out-of-classroom sessions in the teach'n'learn lab/teach'n'learn garden may be incorporated into biology lessons and, in particular, into lessons designed to introduce pupils in <i>Oberstufe Gymnasium</i> to science. Overview of current topics in didactics as well as potential developments in research on biology didactics. Ability to assess and evaluate the cognitive learning achievement of pupils.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
<p>This module has 2 components; information on courses listed separately for each component.</p> <ul style="list-style-type: none"> <li>• 07-RG-FDASL1-1-092: Ü (no information on language and number of weekly contact hours available)</li> <li>• 07-RG-FDASL1-2-092: Ü (no information on language and number of weekly contact hours available)</li> </ul>		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components.</p> <p><b>Assessment component to module component 07-RG-FDASL1-1-092: Arbeiten im Lehr-Lern-Labor</b></p> <ul style="list-style-type: none"> <li>• 2 ECTS credits, method of grading: (not) successfully completed</li> <li>• practice study/evaluation (10-15 pages)</li> <li>• Other prerequisites: 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). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment.</li> </ul> <p><b>Assessment component to module component 07-RG-FDASL1-2-092: Arbeiten im LehrLernGarten</b></p> <ul style="list-style-type: none"> <li>• 2 ECTS credits, method of grading: (not) successfully completed</li> <li>• practice study/evaluation (10-15 pages)</li> <li>• Other prerequisites: 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</li> </ul>		

completion of the respective exercises (required percentage as specified at the beginning of the course).  
The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment.

**Allocation of places**

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**Additional information**

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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

§ 41 (1) 6. Biologie Fachdidaktik

§ 61 (1) 8. Biologie Didaktik

**Module appears in**

First state examination for the teaching degree Gymnasium Biology (2009)