

<b>Module title</b>		<b>Abbreviation</b>
Biological Research		07-GY-FOR-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>
7	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Overview of important traditional and modern methods in biology that are applied at the Chairs at the Biocentre, ranging from microscopy and chromatography to polymerase chain reaction (PCR).		
<b>Intended learning outcomes</b>		
Knowledge of the fields of research the Chairs at the Faculty of Biology are investigating. Familiarity with essential methods in botany and zoology. Knowledge of how to address a problem in biology. Knowledge of how research methods may be implemented in the <i>Gymnasium</i> biology classroom.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> <li>• 07-GY-FOR-1-092: S (no information on SWS (weekly contact hours) and course language available)</li> <li>• 07-GY-FOR-2-092: P (no information on SWS (weekly contact hours) and course language 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)		
Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p><b>Assessment in module component 07-GY-FOR-1-092: Statistics in Research (Practice)</b></p> <ul style="list-style-type: none"> <li>• 1 ECTS, Method of grading: (not) successfully completed</li> <li>• exercises (3 to 5 hours)</li> </ul> <p><b>Assessment in module component 07-GY-FOR-2-092: Research-oriented working in Biology (Practice)</b></p> <ul style="list-style-type: none"> <li>• 6 ECTS, Method of grading: numerical grade</li> <li>• a) written examination (30 to 120 minutes) or b) log (10 to 30 pages) or c) oral examination of one candidate each (20 to 60 minutes) or d) oral examination in groups of up to 3 candidates or e) presentation (20 to 45 minutes) or f) portfolio (30 to 120 hours)</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
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<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 61 (1) 7. Biologie "Forschungsorientiertes Praktikum"		
<b>Module appears in</b>		
First state examination for the teaching degree <i>Gymnasium</i> Biology (2009)		

