

<b>Module title</b>		<b>Abbreviation</b>
Methods in Life Sciences		07-MLS1B-141-m01
<b>Module coordinator</b>		<b>Module offered by</b>
degree programme coordinator Biologie (Biology)		Faculty of Biology
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
7	(not) successfully completed	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
Versioned molecular techniques, lipid research methods, microscopic methods, immunohistochemistry, mouse models and gene-knockout approaches, protein and molecular biology techniques, PCR, advanced protein biochemistry, methods in bioinformatics and computational biology.		
<b>Intended learning outcomes</b>		
Students are able to review and expand their knowledge of standard molecular techniques and are able to choose methods and techniques to design experiments in a specific research area.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
This module has 2 components; information on courses listed separately for each component. <ul style="list-style-type: none"> <li>• 07-MLS1B-1-141: V (no information on language and number of weekly contact hours available)</li> <li>• 04-MLS1B-1-141: V (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)		
This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components.		
<b>Assessment component to module component 07-MLS1B-1-141:</b> Methoden in den Lebenswissenschaften <ul style="list-style-type: none"> <li>• 7 ECTS credits, method of grading: (not) successfully completed</li> <li>• a) written examination (30-60 minutes, including multiple choice questions) or b) log (ca.10-30 pages) or c) oral examination of on candidate each (30-60 minutes) or d) oral examination in groups up to three candidates (approx. 30-60 minutes) or e) presentation (20-45 minutes). Students will be informed about the method, length and scope of the assessment prior to the course.</li> <li>• Language of assessment: English</li> </ul>		
<b>Assessment component to module component 04-MLS1B-1-141:</b> Methoden in den Lebenswissenschaften <ul style="list-style-type: none"> <li>• 7 ECTS credits, method of grading: (not) successfully completed</li> <li>• written examination or oral examination of an candidate each or in groups up to three candidates.</li> <li>• Language of assessment: English</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Master's degree (1 major) Biology (2011)		
Master's degree (1 major) Biology (2014)		