

<b>Module title</b>		<b>Abbreviation</b>
Molecular Biology		o8-BC-MOL-092-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Biochemistry		Chair of Biochemistry
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
6	numerical grade	o8-BC (module component o8-BC-1 only)
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
The module covers specific topics of molecular physiology and functional biochemistry in lectures and exercises. An additional lecture conveys the subject field of genetic engineering and biosafety.		
<b>Intended learning outcomes</b>		
After attending the module events, students have sound knowledge in molecular biology. The students know the necessary infrastructure and usage rules for the different security levels of genetic engineering facilities. They have mastered the basics of genetic engineering in theory and are able to describe relevant examples of the use of gene technology and to explain the associated safety issues.		
<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>o8-BC-MOL-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>o3-GTBS-1-092: V (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.		
<b>Assessment in module component o8-BC-MOL-1-092:</b> Molecular Biology Lab Molecular Biology Lab <ul style="list-style-type: none"> <li>5 ECTS, Method of grading: numerical grade</li> <li>a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course.</li> <li>Language of assessment: German or English</li> </ul>		
<b>Assessment in module component o3-GTBS-1-092:</b> Genetic Engineering and Biosafety <ul style="list-style-type: none"> <li>1 ECTS, Method of grading: (not) successfully completed</li> <li>written examination (approx. 30 minutes)</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>		
Bachelor' degree (1 major) Biochemistry (2009)		