

<b>Module title</b>		<b>Abbreviation</b>
Laboratory Expertise in Biosciences		03-98-FSQ-FACH-132-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Molecular Infection Biology and Animal Welfare Officer of the University of Würzburg		Faculty of Medicine
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
3	(not) successfully completed	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Part 1: Theoretical foundations of genetic engineering and genetic engineering safety regulations; applications of genetic engineering. Part 2: Theoretical and practical basic knowledge of animal welfare legislation, animal welfare ethics and laboratory animal science.		
<b>Intended learning outcomes</b>		
The students are familiar with methods of genetic engineering as well as relevant legal provisions regarding genetic engineering safety and biomaterials. They have the expertise to carry out or participate in animal experiments according to the guidelines of FELASA (Cat. B).		
<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>• 03-98-FSQ-GEN-1-132: V (no information on SWS (weekly contact hours) and course language available)</li> <li>• 03-98-FSQ-Tier-1-132: V + 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 03-98-FSQ-GEN-1-132:</b> Genetic Engineering and</p> <ul style="list-style-type: none"> <li>• 1 ECTS, Method of grading: (not) successfully completed</li> <li>• a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)</li> </ul> <p><b>Assessment in module component 03-98-FSQ-Tier-1-132:</b> Laboratory animal sciences Laboratory animal sciences</p> <ul style="list-style-type: none"> <li>• 2 ECTS, Method of grading: (not) successfully completed</li> <li>• in accordance with official guidelines regarding animal welfare (GV-SOLAS (Society of Laboratory Animals) / FELASA category B)</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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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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**Module appears in**

Bachelor' degree (1 major) Biomedicine (2013)