

<b>Module title</b>		<b>Abbreviation</b>
Microbial Ecology		07-MMIÖK-121-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Dean of Studies Biologie (Biology)		Faculty of Biology
<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	graduate	--
<b>Contents</b>		
<p>This lecture deals with fundamental principles of the interaction of bacteria with their environment. A major emphasis is laid on the interaction of mutualistic bacteria with other organisms including bacteria, invertebrates and vertebrates and, where appropriate, the comparison with commensal and pathogenic interactions. The lecture complements the focus Infektionsbiologie (Infection Biology) of the degree programme Zelluläre und Molekulare Mikrobiologie / Infektionsbiologie (Cellular and Molecular Biology / Infection Biology) in which mainly human pathogens and their host interaction mechanisms are presented. Thus, the lecture intends to identify and describe fundamental concepts of the interaction of bacteria with different host organisms.</p>		
<b>Intended learning outcomes</b>		
Students have gained an insight into current technologies and are able to choose the appropriate technology to solve a scientific problem.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
V (no information on SWS (weekly contact hours) and course language available)		
<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)		
a) written examination (approx. 30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (approx. 30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes)		
<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)		
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<b>Module appears in</b>		
Master's degree (1 major) Biology (2011)		
Master's degree (1 major) Biology (2014)		