



Module title					Abbreviation
Microbial Ecology					07-MMIÖK-152-m01
Module coordinator				Module offered by	
Dean of Studies Biologie (Biology)			Faculty of Biology		
ECTS Method of grading		Only after succ. compl. of module(s)			
3	(not) s	successfully completed			
Duration Module level		Other prerequisites			
1 semester graduate		graduate			
Contents					
This lecture discusses fundamental principles of the interaction of bacteria with their environment. A major emphasis is 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 Molekula-re 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 and their evolution. Intended learning outcomes Students understand the fundamental principles and evolution of the mechanisms of interaction between bacteria and eukaryotic host organisms. Courses (type, number of weekly contact hours, language – if other than German)					
V (1) Module taught in: German and/or English					
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether					
module is creditable for bonus)					
a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English					
Allocation of places					
Additional information					
Workload					
90 h					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in					
Master's degree (1 major) Biology (2015)					
Master's degree (1 major) Biosciences (2016)					
Master's degree (1 major) Biosciences (2017)					
Master's degree (1 major) Biosciences (2018)					
Master's degree (1 major) Biosciences (2021)					
exchange program Biosciences (2022)					
Master's degree (1 major) Biosciences (2023)					
Master's degree (1 major) Biosciences (2024)					

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