

Module variant to: Foundations of Biodiversity, Evolution and Ecology

Module: Fungal Biology and Ecology			
University/Department/Teaching Unit: Freie Universität Berlin/Department of Biology, Chemistry, Pharmacy/Biology			
Module coordinator: Matthias Rillig			
Prerequisites: none			
Learning objectives: After this module, students will possess in depth knowledge about the major taxonomic groups of fungi, their biology and ecology. They will have obtained detailed insights into current topics and methodologies of fungal ecological research.			
Content: A detailed insight into the biology and ecology of all major fungal groups, including hands on experience with the microscopic study of fungal specimens. Additionally, current research projects will be presented which give detailed insights into current topics and methodologies of fungal ecological research.			
Modes of instruction	Contact hours (hours per week during the semester)	Types of active participation	Workload (in hours)
Seminar (S)	1	–	Class attendance (seminar) 15 Preparation, before and after (seminar) 15
Practice sessions (Ü)	2	Carrying out and documenting experiments	Class attendance (practice session) 30 Preparation, before and after (practice session) 15 Exam preparation and exam 75
Module assessment		Written exam (60 minutes), wholly or partially in multiple-choice format; can also be carried out electronically or written report on research results (approx. 10 pages) or examination colloquium (approx. 20 minutes)	
Language		English	
Regular attendance required		yes	
Total workload		150 hours	5 credit points
Duration		one semester	
Frequency		irregular	
Applicability		Master's degree program M.Sc. Biology; Master's degree program M.Sc. Biodiversity, Evolution and Ecology	

Utilization in the following specializations (decision by the examining board):

Biodiversity, Evolution and Ecology	X
Genetics and Genomics	
Microbiology	x
Molecular- and Cellular Biology	x
Molecular Plant Sciences	
Neurobiology	
Biology	x