

Module variant to: Foundations of Biodiversity, Evolution and Ecology

Module: Applied topics in evolution and ecology				
University/Department/Teaching Unit: Freie Universität Berlin/Department of Biology, Chemistry, Pharmacy/Biology				
Module coordinator: Charlotte Rafaluk-Mohr & Sophie Armitage				
Prerequisites: none				
Learning objectives: After attending the module, students have in-depth knowledge of current fields of biodiversity, evolution and ecology. They will be able to interpret and present scientific information in a way that is accessible to members of the public.				
Content: The course involves preparing a stand for the Lange Nacht der Wissenschaften. The students will put forward potential ideas for information to be presented and decide together on a theme. In the seminar part we will do literature research and put together posters to be presented at the Lange Nacht der Wissenschaften with lay person accesible information on the chosen theme. In the Übung part, we will prepare the practical aspects of the stand and present at the Lange Nacht der Wissenschaften.				
Modes of instruction	Contact hours (hours per week during the semester)	Types of active participation	Workload (in hours)	
Seminar (S)	1	–	Class attendance (seminar) Preparation, before and after (seminar)	15 15
Practice sessions (Ü)	2	Carrying out and documenting experiments	Class attendance (practice session) Preparation, before and after (practice session) Exam preparation and exam	30 15 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	
Molecular- and Cellular Biology	
Molecular Plant Sciences	
Neurobiology	
Biology	x