Module variant to: Topics in Neurobiology and Behavior

Module: Current Topics in Neuroethology				
University/Department/Teaching Unit: Freie Universität Berlin/Department of Biology, Chemistry, Pharmacy/Biology				
Module coordinator: Julio Hechavarria				
Prerequisites: none				
Learning objectives: Students will gain a solid theoretical understanding of animal behavior and neuroethology. They will learn to critically evaluate original scientific literature from a neuroethological perspective, that is considering the conceptual frameworks that guide the study of animal behavior (Tinbergen's four questions) and animal model selection (Krogh's principle). Students will be able to present and discuss current literature, as well as to independently develop further research approaches tailored to specific scientific questions.				
Content: The module provides an overview of the current questions explored in the fields of animal behavior and neuroethology. In the seminar, current topics are explored, presented, and critically discussed using original scientific literature.				
Modes of instruction	**Contact hours** (hours per week during the semester)	**Types of active participation**	**Work load** (in hours)	
Lecture (V)	2	–	Class attendance (lecture) Preparation, before and after (lecture)	30 15
Seminar (S)	1	Preparation of scientific papers, participation in discussion and question-and-answer session	Class attendance (seminar) Preparation, before and after (seminar) Exam preparation and exam	15 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		Seminar: yes, lecture: attendance recommended		
Total workload		150 hours		5 credit points
Duration		one semester		
Frequency		irregular		
Applicability		Master's degree program M.Sc. Biology		

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

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