Module variant to: Topics in Neurobiology and Behavior valid until WS24/25

<table>
<tr><td colspan="5">Module: Hearing and Communication Alternative II</td><td></td></tr>
<tr><td colspan="6">University/Department/Teaching Unit: Freie Universität Berlin/Department of Biology, Chemistry, Pharmacy/Biology</td></tr>
<tr><td colspan="6">Module coordinator: Ursula Koch, Thorsten Becker</td></tr>
<tr><td colspan="6">Prerequisites: none</td></tr>
<tr><td colspan="6">Students will acquire in-depth knowledge on the neural basis of hearing and communication in animals. Students will be able to understand key techniques in studying hearing and communication in animals, present and critically discuss the results. They will obtain skills in orally presenting and writing about the current scientific questions in this topic.</td></tr>
<tr><td colspan="6">Content:
During the course, students will learn the fundamentals on hearing and communication in animals. The students will get an overview of how the brain analysis sounds and how communication is performed in animals. In the seminar, current literature on hearing and communication in animals will be presented and discussed. One focus will be various dysfunctions of hearing and communication in humans.</td></tr>
<tr><td>Modes of instruction</td><td>Contact hours
(hours per week during the semester)</td><td>Types of active participation</td><td colspan="3">Work load
(in hours)</td></tr>
<tr><td>Lecture (V)</td><td>2</td><td>–</td><td colspan="2">Class attendance (lecture)
Preparation, before and after (lecture)</td><td>30
15</td></tr>
<tr><td>Seminar (S)</td><td>1</td><td>Preparation of scientific work relevant to the presentation, participation in the discussion and question sections</td><td colspan="2">Class attendance (seminar)
Preparation, before and after (seminar)
Exam preparation and exam</td><td>15
15
75</td></tr>
<tr><td colspan="2">Module assessment</td><td colspan="4">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)</td></tr>
<tr><td colspan="2">Language</td><td colspan="4">English</td></tr>
<tr><td colspan="2">Regular attendance required</td><td colspan="4">Seminar: yes, lecture: attendance recommended</td></tr>
<tr><td colspan="2">Total workload</td><td colspan="3">150 hours</td><td>5 credit points</td></tr>
<tr><td colspan="2">Duration</td><td colspan="4">one semester</td></tr>
<tr><td colspan="2">Frequency</td><td colspan="4">irregular</td></tr>
<tr><td colspan="2">Applicability</td><td colspan="4">Master’s degree program M.Sc. Biology</td></tr>
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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