

Modules M.Sc. Biology

NR	Module	Teaching staff	Winter Semester		Semester break	Summer Semester		Semester break	
			1. Half	2. Half		1. Half	2. Half		
(neu900)	Optional lab introduction course		no credits						
bio703	Basic Concepts in Plant Sciences	Zotz, Albach, von Hagen, Will	12 CP						
bio655	Ornithology in theoretical Concepts	Liedvogel, Bouwhuis, Köppl, Langemann, Mouritsen, Schmaljohann, Heim	12 CP						
bio733	Evolutionary Population Genetics	Gerlach, Albach, Khan	6 CP						
bio736	Evolutionary Transcriptomics	Nolte, Dennenmoser		6 CP					
bio845	Development & Evolution	Sienknecht, Claußen	6 CP						
bio846	Lab Exercises in Development & Evolution	Sienknecht, Claußen, Ebbers		6 CP					
bio605	Molecular Genetics & Cell Biology	Neidhardt, Koch	12 CP						
bio765	Current Methods in Plant Sciences - Ecology, Phylogeny and Molecular Biology	Albach, Zotz, Will, Khan, von Hagen		12 CP					
bio720	Marine Biodiversity	Martinez Arbizu		15 CP					
bio695	Biochem. Conc. in Signal Transduct.	Koch, Scholten		12 CP					
neu210	Neurosensory Science & Behaviour	Albert, Clemens, Langemann, Mouritsen		9 CP					
neu220	Neurocognition & Psychopharmacology	Thiel, Gießing		6 CP					
bio675	Molecular Ecology	Nolte, Gerlach				12 CP			
neu141	Visual Neuroscience: Physiology & Anatomy	Greschner, Dedek, Dömer, Ahlers				12 CP			
bio663	Ornithology in Practice	Liedvogel, Bouwhuis, Langemann, Vedder, Moiron, Schmaljohann				12 CP			
psy270	Functional MRI Data Analysis	Gießing, Thiel				9 CP			
neu380	Neuroethology and Neurogenetics: Insect Models	Albert, Clemens				6 CP			
neu400**	Recent Topics in Neuroscience (Insects)**	Kretzberg, Clemens, Albert					6 CP		
bio773	Sequence based Biomonitoring	Nolte, Dennenmoser, Martinez, Albach					12 CP		
neu360	Auditory Neuroscience	Köppl, Klump				6 CP			
neu340	Invertebrate Neuroscience - Neurophysiology	Kretzberg				6 CP			
bio860	Comparative Developmental Biology	Sienknecht					6 CP		
neu650**	Neuroscience Team Project**	Kretzberg					6 CP		
neu310	Psychophysics of Hearing	Beutelmann					12 CP		
bio770	Field Methods in Organismal Biology	Zotz, Gerlach, Albach, Nolte, Mouritsen, Schmaljohann, von Hagen						15 CP	
bio780	Biodiversity of Littoral Communities	Martinez-Arbizu						15 CP	
bio870	Communicating Biology	Zotz, Albach, Schmaljohann, Nolte, Will, Heim	6 CP						
bio880	Plant Diversity	Albach, von Hagen	6 CP						
bio777	Objekte in wissenschaftl. Sammlungen: Konserv., Management & Forschungsfragen	Will	6 CP						
neu790	Communicating Neuroscience	Kretzberg, Köppl	3 CP						
bio890	Current Topics in Biology*	Gerlach, Liedvogel, Laakmann, Beutelmann, Nolte, Dennenmoser, Bartölke, Fleischmann	3 CP (option 1)			3 CP (option 2)			
neu730	Biosciences in the Public Eye and in our Laws	Sienknecht				6 CP			
neu751	Laboratory Animal Science	Helgers			3 CP opt. 1		3 CP opt. 2	3 CP opt. 3	
neu760	Scientific English	Manley, Köppl			6 CP				
neu780	Biological Data Analysis with Python	Winkhofer			6 CP				
neu800	Introduction to Matlab	Gießing			3 CP				
bio783	Object-based research projects in biological collections	Will, Albach	6 CP flexible timing						
neu810	International Meeting Contribution	Kretzberg, Köppl	3 CP flexible timing						
neu820	Neuroscience Journal Club	Mertsch	3 CP weekly course						
bio810	External Research Project*	Zotz, teaching staff	15 CP flexible timing						
bio900	Biology Research Module*	Zotz, teaching staff	15 CP flexible timing						
mam	Master Thesis Module	teaching staff	30 CP flexible timing						

Background Modules

Skills Modules

Research

Program requirements:

- 30 CP Master Thesis Module
- 24 CP Background Modules
- 15 CP Research Modules
- 21 CP any further module(s) from Biology curriculum
- 30 CP free choice: any further Biology Module(s) or (subject to approval) Course(s) from other M.Sc. programs, from other universities, or from abroad.

Modules bio900 and bio810 and Master Thesis Module offer several project options. **bio900 is mandatory in combination with external master thesis.**

Modules with shared course components, similar content or previous versions cannot be credited twice.

block courses



weekly courses / irregular meetings



*multiple registration possible **Module from M.Sc. Neuroscience

For official regulations see <https://uol.de/studium/pruefungen> and www.uol.de/amtliche-mitteilungen