

<b>M.Sc. "Animal Biology and Biomedical Sciences" Modules for the summer semester - each module 3 weeks (2 weeks full-time, 1 week follow-up)</b>		Mrz/Apr	Mid April	Beginning May	End of May	Mid June	Beginning July	Aug/Sep	Anzahl TN	Comments
		Extra	1	2	3	4	5	Extra		
<b>I</b>	<b>Main topic: Evolution, animal biodiversity and behavior</b>									
2101	Biodiversity (Hadrys, Schierwater, Kamm)					x	x		6	CRAU field trip (June/July)
2102	Molecular systematics and genetics of species conservation (Hadrys)			x					3	
2103	Evolutionary genetics (Schierwater, Hadrys, Kamm)				x				3	
2104	Gravitation biology: cancer genetics n space (Schierwater, Hauslage)					x			3	
2105	Molecular Ecology - Mini thesis (Hadrys, Schierwater)						x	x	3	after CRAU field trip (June/July)
2111	Experimental & developmental biology of marine model organisms- Schmid Training Course (Schierwater, Osigus)	x							3	Beginning of March
2113	Basics of terrestrial wildlife research (Keuling, Siebert, Voigt, Gethöffer)		x						8	Date for preliminary discussion will be announced after receipt of the participants.
2114	Cognitive Ethology and Bioacoustics (Scheumann)			x					6	
2115	Behavioural Ecology (Radespiel)			x					3	
2116	Evolutionary Ecology (Pröhl, Rodriguez)					x			4	
2117	Functional Genomics (Metzger)			x					5	
2118	Basics of aquatic wildlife research (Siebert, Morell)							x	10	2 weeks in September
2119	Marine Biology (Bloechl)							x	4	2 weeks in September (Crete)
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<b>II</b>	<b>Main topic: Cellular, development and systems neurobiology</b>									
2201	Cellular Neurophysiology (Felmy,Kladisios, Wicke)					x			4	
2202	Neuro- and sensory biology (Esser, Schmidt)				x				6	
2204	Neuropharmacology (Gernert, Feja, Gericke)			x					4	
2205	Physiology of the gastrointestinal tract (Mazzuoli-Weber, Muscher-Banse, Benz)							x	4	Beginning September
2206	Pathomechanisms of Protein and Membrane Transport (Naim, Tannous, Hoter)		x						4	
2207	Cellular Infection Biochemistry (v.Köckritz-Blickwede, Borilla, Meurer, Henneck)			x					4	
2208	Methods in reproductive biology (Oldenhof, Sieme, Wolkers)				x				6	
2210	Neuronale Plastizität im Insekten-Nervensystem (Stern)		x						4	
2213	Cellular and Molecular Mechanisms of Cancer Metastasis (Naim, El-Sabban, Hoter)						x		6	
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<b>III</b>	<b>Main topic: Infection biology</b>									
2301	Current methods in virology: Fish diseases (Adamek, Jung-Schroers )						x		2	
2302	Methods in Medical Microbiology (Meens, Goethe)					x			8	
2303	Aquisition and assessment of immune mechanisms in vertebrates and invertebrates (Schuberth, Becker)			x					3	
2304	Current parasitological methods (Becker, Hellhammer, Heinig-Hartberger)						x		8	
2308	Bioinformatic Tools for the Analysis of Omics data (Jung)					x			6	
2309	Sampling of airborne viruses (Schulz)							x	2	Specific date after consultation with participants
2310	Emerging Viruses and Zoonotic Pathogens: Molecular Diagnostics and Vaccine Development (Volz, Clever, Meyer zu Natrup)							x	3	July/August
2311	Molecular biology of RNA viruses (Ludlow)				x				2	
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