

**Faculty of Biology – Master Modules
Academic Year 2025/26**

20.10.2025

Module offer for the upcoming autumn term will be updated in September.

Autumn term 2025/26
Block I 27.10. - 22.11.2025
Block II 24.11. - 19.12.2025
Block III 12.01. - 06.02.2026
Block IV 09.02. - 06.03.2026
Block V: individual dates

Block I

Course title	Language	ECTS
Ciliary Structure, Motion and Function	english	6
Integrative Biology	optional german /english	6

Block II

Course title	Language	ECTS
Concepts and current topics in evolution	english	6
Drug effects on mitochondria	optional german /english	6
Genetic tools for targeted and acute protein depletion	optional german /english	6
Professionelle Karriereplanung in den Lebenswissenschaften	german	6
Protein interactions and quantitative mass spectrometry	english	6
Taxonomie der Bakterien	german	6
Tierschutz	german	6

Block III

Course title	Language	ECTS
Funktionelle Anatomie und digitale Cytologie der Pflanzen	german	6
Molecular Physiology	optional german /english	6
Principles in Neurogenetics and Cell Biology of Drosophila	optional german /english	6

Block IV

Course title	Language	ECTS
Biocomputing I (Bioinformatics III) – Programming in Python	english	6
Biocomputing II - Advanced Python	english	6
Genome Editing In Plants	optional german /english	6
Host-Parasite Coevolution	english	6
Introduction to modern microscopy and image analysis	optional german /english	6
Methods in functional proteomics	optional german /english	6
Microbial interspecies interactions	optional german /english	6

Block V

Course Title	Date	Language	ECTS
Fermentative production of biotechnological products	09.03.-02.04.2026	english	6
International Excursion: Behaviour, Ecology, and Diversity of Wildlife	tba	english	6
Molecular and genetic analysis of the circadian clock in Drosophila melanogaster	4 weeks, according to prior agreement	optional german /english	6
Molecular Evolutionary Biology of Social Insects	4 weeks, according to prior agreement	english	6
Molecular genetics and molecular cell biology of plants I	4 weeks, according to prior agreement	optional german /english	6
Physiologie des Zooplanktons	02.03.-27.03.2026	german	6
The Growth of the Evolutionary Thought	03.11. - 02.02.26 6-8 pm, 04.11. - 03.02.26 6-8 pm	english	6