

Faculty of Biology – Master Modules Academic Year 2024/25

01.04.2025

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

Autumn term 2024/25
Block I 28.10. - 22.11.2024
Block II 25.11. - 20.12.2024
Block III 06.01. - 31.01.2025
Block IV 03.02. - 28.02.2025
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
Molecular Plant Physiology I	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
Evolutionary genomics of plants	optional german /english	6
Funktionelle Anatomie und digitale Cytologie der Pflanzen	german	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
International Excursion: Behaviour, Ecology, and Diversity of Wildlife	31.03. - 27.04.25	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
Physiologie des Zooplanktons	04.03.-28.03.2025	german	6
The Growth of the Evolutionary Thought	04.11. - 10.02.25 6-8 pm, 05.11. - 04.02.25 4-5:30 pm	english	6