

List of Core Elective Modules for the Master program in Biodiversity

Core elective module group 2 (block courses) and group 3 (special courses): 15 ECTS

Elective modules (freely selectable from all master courses at UZH and ETH): 5 ECTS

Compulsory modules: EEE520 (10 ECTS), EEE500 (60 ECTS)

Please note that modules are subject to change. Refer to the online course catalogue for the current online [VVZ UZH](http://www.vvz.uzh.ch)

Core elective modules group 3 (special courses)

Spring Semester (FS)

EEE 351	Conservation Biology, Mo 10-12	3 ECTS
EEE 353	Field Course in Biodiversity Assessment and Monitoring, 1 Woche im Aug.	2 ECTS
EEE 354	Biodiversitätsmonitoring Programm Schweiz (3 Tage vor Semesterstart im Sept.)	2 ECTS
EEE 357	Agroecology, Food Security and Sustainable Production, Di 8-10	3 ECTS
EEE 359	Systematik der Blütenpflanzen, 1 Woche im Juni	2 ECTS
EEE 361	Gefässpflanzen des Mittellandes, 1 Woche im Juni	2 ECTS
EEE 363	Field Class: Biodiversity of Insects, 1 Woche im Juli	3 ECTS
EEE 367	Advanced Seminar: Th. der Umweltpolitik, Lobbying für Umweltpolitik (ab FS27)	3 ECTS
BIO 207	Comparative Systematics and Evolution of Primates, Di 10-12	3 ECTS
BIO 215	Evolution of Human Life History, Di 8-10	3 ECTS
BIO 216	Primate Origins of Human Sociality, Cognition, and Mind, Mo 10-12	2 ECTS
BIO 218	Ethische Aspekte der biol. Forschung am Menschen, Mo 12-14	2 ECTS
BIO 239	Organisms of the Tidal Coast: Algae and Invertebrates, 2 Wochen im Juni	4 ECTS
BIO 254	Functional Genomics, 3 ECTS, VL&UE, Mo 16-18	3 ECTS
BIO 270	Dinosaur palaeobiology, Mi 13-14	1 ECTS
BIO 272	Evolution & Paläobiol. der Amph. & Reptilien, Mo 13-14	1 ECTS

BIO 341	Field Course in Evol. Biology of Marine Mammals, Shark Bay, 2 Wochen Juli/Aug.	4 ECTS
BIO 354	Zoo Biology, Mo 8-10	2 ECTS
BIO 355	Praktikum Zoobiologie, 1 Woche im Juni	2 ECTS
BIO 368	Scientific Information Literacy, Mo 15-17	3 ECTS
BIO 398	The Ethics of Animal Experimentation, Mo 10-12	3 ECTS
BIO 402	Philosophy of Science with a Focus on Biology, Mo 14-16	3 ECTS
BIO 403	Superbugs – the Global Crisis of Antimicrobial Resistance in Humans, Animals, and the Environment, Di 10-12	3 ECTS
BIO 404	Science Fiction for Biologists, Di 9-10	1 ECTS
BIO 606	BEEES Seminar, Do 12-13	0 ECTS
BIO 630	Ethics in Scientific Practice, Mo 17-19	3 ECTS
ESS 812	Sustainable management of genetic resources, Di 14-16	2 ECTS

Autumne Semester (HS)

EEE 352	Contemporary analysis for ecology, Mo 13-15 & Di 10-12	4 ECTS
EEE 356	Microbial Ecology of Alpine Freshwater Ecosystems, 1 Woche im Juli	3 ECTS
EEE 358	Introduction to Limnology, Mo 10-12	3 ECTS
EEE 360	Ornithology, Mo 8-10 (alle zwei Jahre)	2 ECTS
EEE 364	Wildlife Ecology and Conservation, Mo 8-10 (alle zwei Jahre)	2 ECTS
EEE 368	Sozialwissenschaftliches Forschungsdesign und -methoden, Mo 12-14	3 ECTS
BIO 201	Primate Evolutionary Biology, Mo 14-16	2 ECTS
BIO 214	Von Affenmenschen und Menschenaffen, Mo 10-12	2 ECTS
BIO 228	Evolutionary Medicine, Do 10-12	2 ECTS
BIO 243	Epigenetics, Mo 15-17	3 ECTS
BIO 265	Evolution and Paleobiology of Plants, Mo 14-16	2 ECTS
BIO 271	Illustrations in Natural History, Mo 16-17	1 ECTS
BIO 280	Animal Domestication, Di 10-12	2 ECTS

BIO 297	Social Behaviour of Bacteria, Mo 16-18	3 ECTS
BIO 331	Frontiers in Animal Behaviour, Mo 10-12	2 ECTS
BIO 336	From DNA to Diversity: the Evolution of Multicellular Organisms, Mo 10-12	2 ECTS
BIO340	Biology, Evolution, and Ecology of Marine Mammals, Di 10-12	3 ECTS
BIO 386	Sociobiology of Communication I, Di 8-10	3 ECTS
BIO 390	Introduction to Bioinformatics, Di 8-10	3 ECTS
BIO 412	Introd. Course in Laboratory Animal Science, nach Ankündigung	2 ECTS
BIO 416	Microscopy, Di 10-12	3 ECTS
BIO 437	Human Adaptation, Di 10-12	3 ECTS
BIO 438	Methods in Human Bioarcheology, Di 8-10	3 ECTS
BIO 444	Quantitative Biosciences, Mo 10-12	3 ECTS
BIO 556	Scientific Writing for Organismal Biologists, Fr 10-12	3 ECTS
BIO 606	BEEES Seminar (Behaviour, Ecology, Env. Studies and Evol. Seminar), Do 12-13	0 ECTS

Core elective module group 2 (block courses)

The block courses run from Tuesday afternoon till Friday over 3.5 weeks or 7 weeks.

Spring Semester (FS)

FS 1st Quarter

EEE311	Remotely Sensing the Basis of Biodiversity	6 ECTS
EEE335	Human Evolutionary Genetics	6 ECTS
BIO262	Evolutionary Morphology of Vertebrates - Issues and Methods	6 ECTS
BIO407	Advanced Microscopy	6 ECTS
BME357	Diseases at the Human Animal Interface	6 ECTS

FS 2nd Quarter

EEE313	What is working in Conservation?	6 ECTS
EEE315	Flowers and Pollinators	6 ECTS
EEE319	Aquatic Microbial Ecology (nicht im FS26)	6 ECTS
EEE321	Ecological Networks	6 ECTS
BIO202	Comparative Communication and Cognition	6 ECTS

FS 3rd Quarter

EEE317	Species Interactions: Theory, Experiment and Field Surveys	6 ECTS
EEE323	Applied Methods in Wildlife Management and Conservation	6 ECTS
BIO326	Animal Development, Evolution and Disease	6 ECTS
BIO287	Plant Cell Wall Development	6 ECTS
BIO442	Evolutionary Medicine: Health and disease in modern humans	6 ECTS
BME321	Project design, workflow management and causal inference	6 ECTS

FS 4th Quarter

EEE327	Animal Behaviour Field Studies	6 ECTS
EEE333	Conservation Science and Practice of Swiss Amphibians	6 ECTS
BIO334	Practical Bioinformatics	6 ECTS

Summer

EEE329	Flora der Schweiz (umfasst auch BIO 300 und BIO 301)	6 ECTS
EEE331	Kalahari Field course: Becoming a (Field) Biologist!	6 ECTS
BIO341	Field Course in Evolutionary Biology of Marine Mammals	6 ECTS

Autumne Semester (HS)

HS 1st Quarter

EEE318	Aquatic Ecology (1. & 2. Viertel)	12 ECTS
EEE334	Biodiversity from Species to Landscape Scale – Concepts and Methods	6 ECTS
EEE338	Evolutionary and Ecological Functional Genomics	6 ECTS
BIO210	Human Behavioural Ecology and Cultural Evolution	6 ECTS
BIO211	Primate Behaviour and Cognition: Concepts, Methods and Tools	6 ECTS
BIO314	Plant Epigenetics	6 ECTS

HS 2nd Quarter

EEE316	Tropical Plant Families: identification, ethnobotany, and chemistry	6 ECTS
EEE318	Aquatic Ecology	12 ECTS
EEE320	Sociobiology in Animals	6 ECTS
EEE328	Experimental Invertebrate Reproduction	6 ECTS
EEE336	Genetic diversity for conservation	6 ECTS
EEE340	From Values to Arguments: Ethics in Env. and Animal Rights Discourse	6 ECTS
BIO208	Current Debates in Evolutionary Biology and Human Evolution	6 ECTS
BIO267	Paleobiology and Evolution of Vertebrates	6 ECTS
BIO282	Methods in Molecular Plant Biology	6 ECTS

HS 3rd Quarter

EEE312	The Species Problem: Species Concepts, Species Delimitation, and Taxonomy	6 ECTS
EEE324	Project Development in Biogeography and Biodiversity	6 ECTS
EEE326	Principles of Evolution: Theory	6 ECTS
BIO203	Great Apes Behaviour	6 ECTS

BIO268	Paleontological Field Work	6 ECTS
BIO284	Systemic Microbiology	6 ECTS
BIO285	Genetic & Epigen. Control of Plant Develop.	6 ECTS
BIO323	Modern Genetics und Genomics	12 ECTS
BIO440	Evolutionary Medicine: Morphological Changes and Pathologies	6 ECTS
BME334	Applied Statistics for Biomedicine and Biology: Advanced Linear Models	6 ECTS

HS 4th Quarter

EEE310	Current conflicts in Biodiversity Policy	6 ECTS
EEE330	Population Ecology	6 ECTS
EEE336	Measuring and monitoring genetic diversity for conservation	6 ECTS
BIO204	Human Evolutionary Eco Physiology	6 ECTS
BIO286	Plant Sensing	6 ECTS
BIO323	Modern Genetics und Genomics	12 ECTS
BIO445	Quantitative Life Sciences: from infectious diseases to ecosystems	6 ECTS