

M.Sc. Double Degree Study programme: Biodiversity, Ecology, and Evolution (IMABEE) at Göttingen University							
Georg-August-University Göttingen							
Current list of all IMABEE modules offered in the MSc study programme "BEE": 01.10.2022							
Valid from winter term 2022/23 onward (without guarantee)							
M.Biodiv.417 must be fulfilled before the announcement of the MSc-Thesis							
Organised by PD Dr. D. Gansert (dganser@gwdg.de)							
Tel. 0049-551-39-28542							
C:= Colloquium; V:= Lecture; UE:= Practice; S:= Seminar; GK:= Field course							
Module number	Title	Responsible docent	ECTS	Semester week hours	Summer term	Winter term	Language
M.Biodiv.402	Plant Ecology and Ecosystem Research	Leuschner	6	4			english
402.1	V: Vegetation and ecology of the earth	Leuschner et al.		2		+	
402.8	V: Ecosystems research, C-balance, and global warming	Gansert		2		+	
402.4	S: Current topics in plant ecology and nature conservation	Hertel		2		+	
402.6	S: Aut-and synecology of plants: The tropics	Homeier		2		+	
	S: Influence of global change on ecosystem processes, matter fluxes and diversity in temperate and boreal forests towards the subarctic tundra	Weigel		2	+		
M.Biodiv.403	Vegetation Ecology and Vegetation History	Bergmeier, Behling	6	4			english
402.1	V: Vegetation & ecology of the earth	Leuschner et al.		2		+	
403.1	V: General and plant sociological vegetation ecology	Bergmeier		2		+	
403.2	V: General vegetation history of the earth	Behling		2	+		
403.3	S: Applied vegetation ecology of the Mediterranean (annual alternation with 403.4)	Bergmeier		2		+	
403.4	S: Modern issues of vegetation science in agricultural landscapes (annual alternation with 403.3)	Bergmeier		2		(20/21)	
	S: Influence of global change on ecosystem processes, matter fluxes and diversity in temperate and boreal forests towards the subarctic tundra	Weigel		2	+		
M.Biodiv.404	Animal Ecology	Scheu	6	4			english
404.1	V: Animal ecology			2		+	
404.2	S: Topics in animal ecology and evolution			2		+	
M.Biodiv.406	Regional Vegetation Ecology and Phytodiversity	Bergmeier	6	4			english
406.1	V: Habitat types of the FFH-Guideline			2		+	

403.3	S: Applied vegetation ecology of the Mediterranean (annual alternation with 403.4)			2		+	
403.4	S: Modern issues of vegetation science in agricultural landscapes (annual alternation with 403.3)			2		(20/21)	
M.Biodiv.408	Primate Ecology	Heymann	6	8			english
	V: Primate ecology			2	+		
	UE: Primate ecology			6	+		
M.Biodiv.412	Conservation Biology	Kamp	6	4			english
412.1	V: International nature conservation	Kamp		2		+	
412.2	V: The song of the Dodo - Origins of Conservation Biology	Waltert		2		+	
412.3	S: Botanical nature conservation and environmental care	Leuschner et al.		2	+		
M.Forst.1512.1	S: Global environmental and forest policy	Hubo		2		+	
M.Agr.0089	S: Ecological Seminar	Westphal		2			
M.Biodiv.417 mandatory	Scientific Project Management and Specific Research Methods (Compulsory Module, individually organised)	Gansert	6	6			english
	K: Modern Research in Biodiversity and Ecology	Gansert		2	+	+	
	UE: Conception and presentation of a scientific research concept	Docents of BEE		4	+	+	
M.Biodiv.418	Pro- and Eucaryotic Algae: Evolution and Systematics	Friedl	6	4			english
418.1	V: Phylogeny and systematics of plants and algae: biology and phylogeny of algae			2		+	
418.2	S: Plant systematics & phycology			2	+	+	
M.Biodiv.422	Plant Ecology: CO₂- and H₂O-balance of Trees	Leuschner	6	8			english
422.1	V: Carbon and water balance of trees	Kotowska		2	+		
422.2	UE: Photosynthesis, respiration, and transpiration	Kotowska		6	+		
M.Biodiv.423	Plant Ecology: Study of Habitats	Hertel	6	8			english
423.1	V: Plant ecological studies of habitats			2	+		
423.2	UE: Studies of habitats of different forest types near Göttingen			6	+		
M.Biodiv.425	Evolution of Embryophyta	Hörandl	6	4			english
425.1	V: Speciation and evolution of land plants			2		+	
425.2 / 418.2	S: Plant systematics and phycology			2	+	+	
M.Biodiv.426	Reproduction and evolution of flowering plants	Hörandl	6	4			english
	UE: Developmental and reproductive biology of flowering plants			3	+		
	V: Reproductive strategies of flowering plants			1	+		
M.Biodiv.430	Vegetation History: Project Study in Palaeoecology and Palynology	Behling	6	8			english
430.1	S: Current topics in palynology and climate dynamics			2	(+)	+	
430.2	UE: Palaeoecology and palynology			6	(+)	+	

M.Biodiv.431	Vegetation Ecology: Applied Vegetation Ecology & Multivariate Analysis	Bergmeier	6	8		english
431.1	V: Basics and methods of data sampling in vegetation ecology and multivariate analysis			2	+	
431.2	UE: Grassland vegetation and multivariate vegetation analysis			6	+	
M.Biodiv.433 (KC)	Vegetation History: Multivariate Analysis in Palaeoecology	Behling	3	4		english
433.1	V/S: Statistics in palaeoecology			1	+	
433.2	Multivariate data analysis			3	+	
M.Biodiv.436	Vegetation Ecology: Project Study of Vegetation and Phytodiversity (individual arrangement)	Bergmeier	6	4		english
436.1	S: Current topics in vegetation ecology and phytodiversity			2	+	
436.2	UE: Vegetation analysis and phytodiversity			2	+	(+)
M.Biodiv.441	Animal Ecology: Evolutionary Ecology	Maraun, Schäfer	6	8		english
441.1	V: Evolutionary ecology			2		+
441.2	UE: Evolutionary ecology - experiments			6		+
M.Biodiv.442	Animal Ecology: Synecology of Animals	Maraun	6	8		english
442.1	V: Synecology of animals			2	+	
442.2	UE: Synecology of animals - experiments			6	+	
M.Biodiv.445	Animal Ecology: Molecular analysis of trophic interactions in soil food webs	Scheu	6	8		english
	V: Molecular analysis of trophic interactions in soil food webs			2	+	
	UE: Molecular analysis of trophic interactions in soil food webs			6	+	
M.Biodiv.447	Animal Ecology: Biodiversity, Ecology and Evolution of Terrestrial Invertebrates	Scheu	6	7		english
	V: Biodiversity and ecology of terrestrial invertebrates			2		+
	UE: Biodiversity and ecology of terrestrial invertebrates			5		+
M.Biodiv.450	Plant Ecology: Impact of global climate change on plant communities and their functional traits	Leuschner, Weigel	6	8		english
	V: Impact of global climate change on plant communities	Weigel		2		+
	UE: Impact of global climate change on plant communities	Weigel		6		+
M.Biodiv.479	Introduction to Phylogenomics	Bleidorn	6	6		english
	V: Introduction to phylogenomics			1		+
	S: Introduction to phylogenomics			1		+
	UE: Introduction to phylogenomics			4		+
M.Biodiv.481	Conservation Biology: Population Biology in Nature Conservation	Gottschalk	6	8		english
481.1	V: Population viability analysis			2		+

481.2	UE: Population viability analysis			6		+	
M.Biodiv.483	Conservation Biology: Assessment of Wildlife Species for Nature Conservation	Waltert	6	8			english
483.1	V: Theoretical background of population assessment			2		+	
483.2	UE: Analysis, interpretation, and management of stand data			6		+	
M.Biodiv.488	Conservation Biology: Ornithology	Gottschalk	6	8			english
	V: Biology of selected bird species			2	+		
	UE: Identification of birds in the field and methods in ornithology			6	+		
M.Biodiv.490	Project Studies in Plant Systematics, Evolution and Phylogeny	Hörandl	6	4			english
	UE: Research project (individual arrangement)			4	+	+	
M.Biodiv.492	Molecular methods for "Next Generation Sequencing" in Evolutionary Biology and Systematics	Tomasello	6	4			english
	V: Introduction into molecular markers			1		+	
	UE: Target enrichment and Nanopore Sequencing			3		+	
M.Biodiv.500	Biological and forensic trace interpretation	Hummel	6	4			english
	V: Degraded DNA - Introduction and basics of analysis			2		+	
	V: Basics of biological trace interpretation and forensic anthropology			2		+	
M.Biodiv.505	Anthropology I: Structure Analysis	Hummel	6	7			english
	S: Structure analysis of unburnt and burnt skeleton material			2		+	
	UE: Macro- and microscopic analyses of human hard tissue			5		+	
M.Biodiv.506	Anthropology II: Palaeogenetics	Hummel	6	8			english
	S: Basics of typing of strongly degraded DNA			2		+	
	UE: Genetic typing of (pre-)historic skeleton material			6		+	
M.Biodiv.605	Project Studies in Animal Evolution and Biodiversity	Bleidorn, Aguado	6	4			english
	S: Current topics in evolution and biodiversity of animals			1	+	+	
	UE: Research project			3	+	+	
M.Biodiv.610 (KC)	Science Communication in Biodiversity Research (Key Competence!)	Aguado	6	4			english
610,1	V: Introduction to science communication			1		+	
610,2	S: Introduction to science communication			1		+	
610,3	UE: Science communication in biodiversity research			2		+	
M.Bio.346	Introduction into Behavioural Biology	Markolf	6	4		+	english
	V: Introduction into behavioural biology			2			
	S: Concepts of behavioural biology			2			
M.Bio.347	Behavioural Biology	Fichtel	6	4	+		english

	V: Behavioural biology			3			
	S: Behavioural biology			1			
M.FES.115	Statistical Data Analysis with R	Meyer, Katrin	6	4	+	english	
M.INC.1006	Data Analysis for Field Biologists	Kamp	6	8	+	english	