

New  
Discontinued  
New Name

Äquivalenzliste Mastermodule Stand Juli 2021

Module Number (2015)	Module Title (2015)	Module Number (2021)	Module Title (2021)	Comments	Module Coordinator	CP	Semester	MSc Program 1 Geoscience / 2 Geoecology / 3 AEG M=Mandatory / E=Elective
<b>Mandatory Modules</b>								
M 101	Scientific Practice1 / Wissenschaftliches Arbeiten 1	<b>Not continued in PO 2021</b>						
		M 101	Scientific Practice	replaces Scientific Practice 1&2	Merkel	6	W / S	M 1,2,3
M 102	Scientific Practice2 / Wissenschaftliches Arbeiten 2	<b>Not continued in PO 2021</b>						
M 103	Scientific Presentation /Wissenschaftliches Präsentieren	M 103	Scientific Presentation		Bocherens	6	W / S	M 1,2,3
M 104	Master Thesis / Masterarbeit	M 104	Master Thesis		-	30	W / S	M 1,2,3
<b>Modules Applied Geosciences</b>								
M 201	Hydrogeology	<b>Not continued in PO 2021 last offer WiSe 20/21</b>		<b>content mostly moved to groundwater modeling 1&amp;2</b>				
		M 201	Groundwater Modeling 1		Cirpka	6	W	E 1,2 / M 3
M 202	Applied Hydrogeology	M 202	Hydrogeological Field Investigation Techniques	new name	Leven	6	S	E 1,2,3
M 203	Environmental Modeling 1	<b>Not continued in PO 2021 last offer WiSe 20/21</b>		<b>content moved to groundwater modeling 1</b>				
M 204	Environmental Modeling 2	<b>Not continued in PO 2021 last offer SoSe 21</b>		<b>content moved to groundwater modeling 2</b>				
		M 203	Groundwater Modeling 2	replaces environ. mod. 2 and parts of hydrogeology	Cirpka	6	S	E 1,2,3
M 205	Contaminant Hydrogeology	M 205	Remediation of Contaminated Sites	new name	Grathwohl	6	S	E 1,2,3
M 206	Case Studies in Environmental Geosciences	M 206	Case Studies in Environmental Geosciences		Cirpka	6	W	E 1,2,3
M 207	Aquatic & Environmental Chemistry	M 207	Environmental Chemistry	new name	Zarfl	6	W	E 1,2 / M 3
M 208	Environmental Isotope Chemistry	M 208	Environmental Isotope Chemistry		Taubald	6	S	E 1,2,3
M 209	Environmental Chemistry Lab	M 209	Environmental Chemistry Lab		Haderlein	6	W	E 1,2,3
M 210	Environmental Microbiology and Geomicrobiology	M 210	Environmental Microbiology and Geomicrobiology		Kappler	6	S	E 1,2,3
M 211	Geomicrobiology Lab	M 211	Geomicrobiology Lab		Kappler	6	S	E 1,2,3
M 212	Advanced Geophysics	M 212	Advanced Geophysics (next time in WiSe 22/23)		NN	6	W	E 1,3
M 213	GIS and Remote Sensing	M 213	GIS and Remote Sensing		Schäuble, Lörcher	6	W	E 1,2,3
M 214	Geotechnical Engineering	M 214	Geotechnical Engineering		Leven	6	W	E 1,2,3
M 216	Physics of the Atmospheric Boundary Layer	M 216	Atmospheric Physics Starting SoSe 22	new name (mandatory in env.phys. specialization of AEG)	Platis	6	S	E 1,3
M 218	Environmental Analytical Chemistry	M 218	Environmental Analytical Chemistry	mandatory in env.chem.&env.microb. specialization of AEG	Zwiener	6	W	E 1,2,3
M 219	Earth Processes	M 219	Earth Processes (6 LP first in WiSe 21/22)		Süß	6	W	E 3
M 220	Field Seminars in Applied Geosciences	M 220	Field Seminars in Applied Geosciences		Merkel	6	W / S	E 3
M 221	Environmental Risk Assessment	M 221	Environmental and Human Health Risk Assessment of Chemicals	new name	Escher	6	W	E 1,2,3
M 222	Hydrogeochemical Modeling	M 222	Hydrogeochemical Modeling	mandatory in env.chem.&env.microb. specialization of AEG	NN	6	S	E 1,2,3
M 223	Advanced Topics in Flow and Transport	<b>not continued last offer SoSe21</b>			Cirpka	6	S	E 1,2,3
M 224	Geostatistics	<b>Not continued in PO 2021</b>			Haslauer	3	S	E 1,2,3
M 225	Field Seminars in Applied Geosciences 2	M 225	Field Seminars in Applied Geosciences 2		Merkel	3	W / S	E 3
M 226	Spectroscopic and Microscopic Analysis in the Environment	<b>Not continued in PO 2021 last offer SoSe 21</b>			NN	6	S	E 1,2,3
M 227	Sustainable Environmental Biotechnology Systems 1	M 227	Sustainable Environmental Biotechnology Systems 1		Angenent	6	S	E 1,2,3
M 228	Sustainable Environmental Biotechnology Systems 2	M 228	Sustainable Environmental Biotechnology Systems 2		Angenent	6	W	E 1,2,3
		M 229	Global Change	new mandatory course in AEG	Bange	6	W	M 3
		M 230	Geosphere-Biosphere Interactions	new mandatory course in Geoecology	Dippold	6	S	M 2
		M 231	M.Sc. Seminar Geoecology	new mandatory course in Geoecology	Drucker	6	W	M 2
		M 232	Internship		NN	6	S / W	E 1,2,3
		M 233	Biotransformation of Pollutants	new course (mandatory in env.chem.&env.microb. specialization of AEG)	NN	6	W	E 2,3
		M 234	Experimental and Analytical Methods in Environmental Chemistry and Ecotoxicology		Köhler	6	W / S	E 2
		M 235	Advanced Ecotoxicology	mandatory in env.chem.&ecotox. specialization of MSc Geoecology	Köhler	6	W / S	E 2
		M 236	Modelling for Sustainable River Management		Zarfl	6	S	E 2,3
		M 238	Rhizosphere Processes in a Changing World (first offer WiSe 22/23)		Mühe	6	W	E 2,3
<b>Modules Mineralogy und Geology</b>								
M 301	Applied Tectonics and Surface Processes	M 301	Physics of the Earth's Surface	new course (mandatory in geophys.& geodyn. Specialization of MSc geosciences)	Ehlers	6	W	E 1,2,3
M 302	Metamorphe Prozesse	M 302	Metamorphic Processes		Markl	6	W	E 1
M 303	Advanced Structural Geology	M 303	Physical Properties of Earth Materials	new course (mandatory in geophys.&geodyn. Specialization of MSc geosciences)	Bons	6	W	E 1
M 304	MSc Geländeübungen / MSc Field Practicals	M 304	M.Sc. Field Practicals		Bons	6	W / S	E 1
M 305	MSc Kartierkurs / MSc Mapping Course	M 305	Advanced Field Methods in Geoscience	new mandatory course in MSc Geosciences	Bons	6	W / S	M 1 / E 3
M 306	Die Erde im Experiment	M 306	Experiment Earth		Nowak	6	S	E 1
M 307	Sedimentgeochemie	<b>Not continued in PO 2021 last offer SoSe 21</b>						
M 308	Isotope Geochemistry	M 308	Isotope Geochemistry		Schönberg	6	S	E 1,2,3

M 310	Materialwissenschaften für Geowissenschaftler	<b>Not continued in PO 2021 last offer WiSe 20/21</b>					
M 311	Faziesanalyse	M 311	Carbonate Facies Analysis		Nebelsick	6	W E 1,3
M 312	Angewandte Sedimentgeologie	<b>Not continued in PO 2021 last offer WiSe 21</b>					
		M 312	Advanced Sedimentology	new course	Fitzsimmons	6	W E 1
M 313	Explorationspraxis	<b>Not continued in PO 2021 last offer WiSe 20/21</b>					
M 314	Magmatische Prozesse	M 314	Igneous Processes		Wenzel	6	S E 1
M 315	Glaciology	M 315	Glaciology		Weikusat	6	W / S E 1,3
M 316	Geochemistry of the Mantle and Crust	M 316	Geochemistry of the Mantle and Crust		Siebel	6	W / S E 1
M 317	Applied Data Analysis and Modeling for Geoscientists	<b>Not continued in PO 2021</b>		<b>contents moved to M317</b>			
		M 317	Data Analysis and Modeling Methods in Geoscience and Environmental Science	new mandatory container module in MSc Geosciences	Drews	6	W / S M 1 / E 2,3
M 319	Materials Science and Archaeological Ceramics: Manufacturing and Material Properties of Ancient and Modern Ceramics	<b>Not continued in PO 2021</b>					
M 320	MSc Kartierkurs 2 / MSc Mapping Course 2	M 320	Advanced Field Methods in Geoscience 2		Bons	6	W / S E 1
M 321	Applied Thermochronology and Quaternary Dating: Techniques, Interpretation and Applications	<b>Not continued in PO 2021 last offer SoSe 2021</b>					
		M 321	Experimental and Analytical Methods in Geoscience and Environmental Science		Schulz	6	W / S M 1 / E 2,3
M 322	Climate Dynamics, Probability and Statistics	M 322	Climate Dynamics	new course (mandatory in env.phys. specialization of AEG)	Rehfeld	6	S E 1,2,3
M 323	Verwitterungsminerale in Erzlagerstätten	M 323	Weathering Minerals in Ore Deposits		Markl	6	W E 1
M 324	Economic Geology	M 324	Economic Geology		Staide	6	S, every other year E 1,3
		M 325	Data Analysis and Modeling Methods in Geoscience and Environmental Science 2	new container module	Drews	6	W / S E 1,2,3
		M 326	Experimental and Analytical Methods in Geoscience and Environmental Science 2	new container module	Schulz	6	W / S E 1,2,3
<b>Modules Biogeology</b>							
M 401	Terrestrial Ecosystems – excavation and laboratory internship	M 401	Terrestrial Ecosystems – Excavation and Laboratory Internship		Böhme	6	S E 1,2
M 402	Quantitative Paläontologie	<b>Not continued in PO 2021</b>			Pfretzschner		
		M 402	Evolution of Organisms	new course (mandatory in paleontology specialization of MSc Geosciences)	Werneburg	6	S E 1,2
M 403	Palaeoecology of Terrestrial Ecosystems	M 403	Palaeoecology of Terrestrial Ecosystems	mandatory paleontology specialization of MSc Geosciences	Bocherens	6	S E 1,2
M 404	Micropaleontology	M 404	Micropaleontology		Junginger	6	W E 1,2
M 405	Palaeoecology of Marine Ecosystems	M 405	Palaeoecology of Marine Ecosystems	mandatory paleontology specialization of MSc Geosciences	Nebelsick	6	W E 1,2
M 407	Vertebratenpaläontologie	<b>Not continued in PO 2021</b>			Pfretzschner		
		M 407	Conservation Palaeoecology	new course (mandatory in ecol.&nature conserv. specialization of MSc Geoecology)	Bocherens	6	W E 1,2
M 408	Wirbeltiere und Pflanzen des Känozoikums	M 408	Vertebrates and Plants of the Cenozoic		Böhme	6	W E 1,2
M 409	Marine Geology and Geochemistry	M 409	Marine Geology und Geochemistry		Schulz	6	W E 1,2,3
		M 410	Practise in Organismic Evolution		Böhme	6	S E 1,2
<b>PD Venia Legendi / Post doc Teaching</b>							
M 503	Paleobotany/Palynology	M 503	Paleobotany/Palynology		Bruch	6	W E 1,2
M 602	Material Science and Archaeological Ceramics: Ceramic Petrography and Geochemistry	M 602	Material Science and Archaeological Ceramics: Ceramic Petrography and Geochemistry		Amicone	6	W E 1
M 603	Interactions of Geomorphology, Dams and Flood Hazards in Fluvial Systems	M 603	Interactions of Geomorphology, Dams and Flood Hazards in Fluvial Systems		Vela	3	S E 1,2,3
M 604	Material Science and Archaeological Ceramics: Ancient Pottery and its Pigments	M 604	Material Science and Archaeological Ceramics: Ancient Pottery and its Pigments		Amicone	6	S E 1
M 605	Pre-Quaternary Palynology: Principles and Applications	M 605	Pre-Quaternary Palynology: Principles and Applications		EI-Atfy	3	W/S E 1