

Master Earth Sciences - Tracks EM & ESS

MSc Earth Sciences 2024-2025 Year 1									
Year 1 (semester 1)					Year 1 (semester 2)				
Period 1		Period 2		Period 3	Period 4		Period 5		Period 6
September	October	November	December	January	February	March	April	May	June

Earth System Science	Vulnerable Earth 12 EC	Environments Through Time 6 EC <i>MSc BS course</i>	The Earth System 6 EC	Analysis and Modelling Lab 6 EC	Literature Review 6-12 EC	Biogeochemical Cycles in System Earth 6EC NEW	Climate Change 6 EC		Mandatory course	
						GIS/RS Science in Ecosystem Dynamics 6EC				
	Professional Skills (choice of 2 courses of 1,5 EC each)									
Research Workshop (3 EC)										
Environmental Management	Vulnerable Earth 12 EC	Integrated Coastal Dune Management 6 EC			Literature Review 6-12 EC	Metropole Ecology 6 EC	Science-Based Geo-Ecological Management 6 EC		Constrained choice (choose 24 EC or more for EM, 18 EC or more for ESS)	
			Energy and Climate Change, Science, Policy and Ethics 6 EC		System Innovation and Transition Management 6 EC					
					GIS/RS Science in Ecosystem Dynamics 6EC					
Professional Skills (choice of 2 courses of 1,5 EC each)										
Research Workshop (3 EC)										

Electives: All mandatory courses from one track can be followed as elective courses in the other track. They are pre-approved as electives by the Examinations Board of the programme. In addition, the courses below can be followed as (pre-approved) electives.

Elective courses for both tracks		Biological Oceanography 6 EC <i>MSc BS course</i>	Global Ecology and Biodiversity 6 EC <i>MSc BS course</i>	Environmental Chemistry 6 EC <i>MSc CH course</i>	Human Environment Interactions 6EC		Field Course Geoecological Systems 12EC	Elective course or time for individual course	
			Benthic Ecosystems 6 EC <i>MSc BS course</i>	Landscape Degradation 6 EC	Tropical Ecosystems Field Course 6 EC <i>MSc BS course</i>				

MSc Earth Sciences 2024-2025 Year 2					
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6

ESS	Time for Research Project 1 (30-36 EC), Literature Review (6-12 EC), Research Project 2 (24-36 EC), Internship (24-36 EC), (elective) courses. <i>A major (60 EC) or minor (30 EC) can also be part of the programme in the second year.</i>				
	Professional Skills (choice of 2 courses of 1,5 EC each)				
	Research Workshop <i>continued</i> (3 EC)				
EM	Time for Research Project 1 (30-36 EC), Literature Review (6-12 EC), Research Project 2 (24-36 EC), Internship (24-36 EC), (elective) courses. <i>A major (60 EC) or minor (30 EC) can also be part of the programme in the second year.</i>				
	Professional Skills (choice of 2 courses of 1,5 EC each)				
	Research Workshop <i>continued</i> (3 EC)				

Mandatory courses and constrained choice courses are fixed in the periods mentioned. Individual projects are not fixed, but can be planned by the student. Research Workshop meetings are about once a month.

Track Earth System Science	Programme with major	Programme with minor
Compulsory courses: <i>Vulnerable Earth</i> <i>The Earth System</i>	18 EC	18 EC
Literature Review	6 EC	6 EC
Research Projects	30 EC	30-36 EC
Research Workshop	3 EC	3 EC
Professional Skills – 2 courses from list	3 EC	3 EC
Restricted choice electives (see paragraph 4.2.)	-	18 EC
Elective course (see paragraph 4.4.)	-	6-12 EC
Major	60 EC	-
Minor	-	30 EC
Total study load	120 EC	120 EC
Track Environmental Management	Programme with major	Programme with minor
Compulsory course: <i>Vulnerable Earth</i>	12 EC	12 EC
Literature Review	6 EC	6 EC
Research Projects	30-36 EC	30-36 EC
Research Workshop	3 EC	3 EC
Professional Skills – 2 from the list	3 EC	3 EC
Restricted choice electives (see paragraph 4.2.)	-	24 EC
Elective course (see paragraph 4.4.)	0-6 EC	6-12 EC
Major	60 EC	-
Minor	-	30 EC
Total study load	120 EC	120 EC