Course of Study Environmental Engineering (Study Cohort w23)

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan B Master Environmental Engineering (IMPEE)

Specialisation Environment and Climate

LP			
1	**Waste Treatment Technologies**	**Management of Surface Water**	**Study work Environment and Climate**	**Master Thesis**
2	Biological Waste Treatment PBL 3	Modelling of Flow in Rivers and Estuaries VL 3		
3	Waste and Environmental Chemistry PR 2	Nature-Oriented Hydraulic Engineering / Integrated Flood Protection PBL 2		
4				
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6				
7	**Sustainable Water Management and Microbiology of Water Systems**	**Selected Topics in Environmental Engineering (part 1)**		
8	Sustainable Water Management PBL 2	Selection from a catalog		
9	Microbiology of water systems VL 2			
10		**Advanced Vadose Zone Hydrology**		
11		Vadose Zone Hydrology VL 2		
12		Vadose Zone Hydrology HÜ 2		
13	**Environmental Analysis and Water Technology Practice**	Modeling Processes in Vadose Zone GÜ 2	**Selected Topics in Environmental Engineering (part 2)**	
14	Environmental Analysis VL 2		Selection from a catalog	
15	Practical Course in Water and Wastewater Technology I PR 3			
16		**Water and Environment: Theory and Application**	**Emerging Trends in Environmental Engineering**	
17		Water and Environment VL 1	Microplastics in Environment VL 2	
18		Water and Environment PBL 3	Scientific Communication and Methods VL 1	
19	**Fluid Mechanics, Hydraulics and Geo-Information-Systems in Water Management**		Environmental Research Trends SE 2	
20	Geo-Information-Systems in Water Management and Hydraulic Engineering PBL 2			
21	Fluid Mechanics and Hydraulics VL 2		**Sustainable Nature-based Coastal Protection in a Changing Climate (SeaPiaC)**	
22	Fluid Mechanics and Hydraulics GÜ 1		Sustainable Nature-based Coastal Protection in a Changing Climate PBL 4	
23				
24				
25	**Subsurface Processes**			
26	Subsurface Solute Transport VL 2			
27	Subsurface Solute Transport HÜ 1			
28	Modeling of Subsurface Processes GÜ 3			
29				
30				
	Business & Management (from catalogue) - 6LP			
	Non-technical Courses for Master (from catalogue) - 6LP			

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.