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 C Master Environmental Engineering (IMPEE) Dual study program
Specialisation Water Quality and Water Engineering

LP							
1	**Waste Treatment Technologies**			**Practical module 2 (dual study program, Master's degree)**		**Practical module 3 (dual study program, Master's degree)**	**Master thesis (dual study program)**
2	Biological Waste Treatment	PBL	3	Practical term 2	0	Practical term 3	0
3	Waste and Environmental Chemistry	PR	2				
4							
5							
6							
7	**Sustainable Water Management and Microbiology of Water Systems**						
8	Sustainable Water Management	PBL	2				
9	Microbiology of water systems	VL	2				
10							
11				**Hydrological Systems**		**Study Work Water Quality and Water Engineering**	
12				Applied Surface Hydrology	VL 2		
13	**Environmental Analysis and Water Technology Practice**			Interaction Water - Environment in Fluvial Areas	PBL 1		
14	Environmental Analysis	VL	2	Applied Surface Hydrology	PBL 1		
15	Practical Course in Water and Wastewater Technology I	PR	3				
16							
17				**Selected Topics in Environmental Engineering (part 1)**			
18				Selection from a catalog			
19	**Fluid Mechanics, Hydraulics and Geo-Information-Systems in Water Management**						
20	Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL	2	**Advanced Vadose Zone Hydrology**			
21	Fluid Mechanics and Hydraulics	VL	2	Vadose Zone Hydrology	VL 2		
22	Fluid Mechanics and Hydraulics	GÜ	1	Vadose Zone Hydrology	HÜ 2		
23				Modeling Processes in Vadose Zone	GÜ 2	**Selected Topics in Environmental Engineering (part 2)**	
24						Selection from a catalog	
25	**Subsurface Processes**						
26	Subsurface Solute Transport	VL	2	**Coastal Hydraulic Engineering I**		**Water Protection**	
27	Subsurface Solute Transport	HÜ	1	Basics of Coastal Engineering	VL 3	Water Protection and Wastewater Management	VL 3
28	Modeling of Subsurface Processes	GÜ	3	Basics of Coastal Engineering	PBL 1	Water Protection and Wastewater Management	PS 3
29							
30							
31	**Practical module 1 (dual study program, Master's degree)**						
32	Practical term 1		0	**Smart Monitoring**			
33				Smart Monitoring	IV 2		
34				Smart Monitoring	GÜ 2		
35							
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Business & Management (from catalogue) - 6LP

Linking theory and practice (dual study program, Master's degree) (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.