

Course of Study Water and Environmental Engineering (Study Cohort w19)

Sample course plan C Master Water and Environmental Engineering (WUMS)

Specialisation Water				Semester 2			Semester 3			Semester 4			
		Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk	
1	Biology, Geology and Chemistry Environmental Analysis Geology and Soil Science Biology			Modeling in Water Management Applied Groundwater Modeling Applied Groundwater Modeling Modeling of Water Supply and Sewer Network			Study Work Water/ Waste Water			Master Thesis			
2		VL	2		VL	1							
3		VL	2		GÜ	2							
4		VL	2		PBL	2							
5													
6													
7	Sustainability and Risk Management Environment and Sustainability Safety, Reliability and Risk Assessment			Management of Surface Water Modelling of Flow in Rivers and Estuaries Nature-Oriented Hydraulic Engineering / Integrated Flood Protection			Membrane Technology Membrane Technology Membrane Technology Membrane Technology						
8		VL	2		VL	3		VL	2				
9		SE	2		PBL	2		GÜ	1				
10								PR	1				
11													
12													
13	Groundwater Geohydraulic and Solute Transport Geohydraulic and Solute Transport Simulation in Groundwater Hydrology Simulation in Groundwater Hydrology			Wastewater Systems Advanced Wastewater Treatment Advanced Wastewater Treatment Wastewater Systems - Collection, Treatment and Reuse Wastewater Systems - Collection, Treatment and Reuse			Process Modeling in Water Technology Process Modeling in Drinking Water Treatment Process Modelling of Wastewater Treatment						
14		VL	2		VL	2		PBL	2				
15		GÜ	1		HÜ	1		PBL	2				
16		VL	1		VL	2							
17		GÜ	2		HÜ	1							
18													
19	Water Resources and -Supply Chemistry of Drinking Water Treatment Chemistry of Drinking Water Treatment Water Resource Management Water Resource Management			Soil and Groundwater Contamination NAPL in Soil and Groundwater NAPL in Soil and Groundwater Contamination and Remediation			Practical Course in Water and Wastewater Technology Practical Course in Water and Wastewater Technology I Practicle Course of Wastewater Technology II						
20		VL	2		VL	1		PR	2				
21		HÜ	1		GÜ	2		PR	3				
22		VL	2		PS	3							
23		GÜ	1										
24													
25	Construction and Simulation of Sewerage Systems Construction and renovation of urban sewer systems Simulation of sewerage systems												
26		SE	3										
27		SE	3										
28													
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.

