

Course of Study Water and Environmental Engineering (Study Cohort w22)

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

Specialisation Water																
1	Biology, Geology and Chemistry Environmental Analysis Geology and Soil Science Biology			VL	2	Practical module 2 (dual study program, Master's degree) Practical term 2			0	Practical module 3 (dual study program, Master's degree) Practical term 3			0	Master thesis (dual study program)		
2				VL	2											
3				VL	2											
4																
5																
6																
7	Sustainability and Risk Management Environment and Sustainability Safety, Reliability and Risk Assessment			VL	2											
8				SE	2											
9																
10																
11																
12																
13	Practical module 1 (dual study program, Master's degree) Practical term 1				0	Modeling in Water Management Groundwater Modeling using Modflow Groundwater Modeling using Modflow Modeling of Water Supply Network			VL	1	Study Work Water/ Waste Water					
14																
15																
16																
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18																
19																
20																
21																
22																
23	Water Resources and -Supply Chemistry of Drinking Water Treatment Chemistry of Drinking Water Treatment Water Resource Management Water Resource Management			VL	2	Wastewater Systems Advanced Wastewater Treatment Advanced Wastewater Treatment Wastewater Systems - Collection, Treatment and Reuse Wastewater Systems - Collection, Treatment and Reuse			VL	2	Process Modeling in Water Technology Process Modeling in Drinking Water Treatment Process Modelling of Wastewater Treatment					
24				HÜ	1				HÜ	1				PBL	2	
25				VL	2				VL	2						
26				GÜ	1				HÜ	1						
27																
28																
29	Construction and Simulation of Sewerage Systems Construction and renovation of urban sewer systems Simulation of sewerage systems			SE	3	Advanced Vadose Zone Hydrology Vadose Zone Hydrology Vadose Zone Hydrology Modeling Processes in Vadose Zone			VL	2	Adaptation to Climate Change in Hydraulic Engineering (AKWAS) Adaptation to climate change in hydraulic engineering					
30				SE	3				HÜ	2				PBL	4	
31									GÜ	2						
32																
33																
34																
35	Subsurface Processes Subsurface Solute Transport Subsurface Solute Transport Modeling of Subsurface Processes			VL	2											
36				HÜ	1											
37				GÜ	3											
38																
39																
40																
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.

