

Course of Study Environmental Engineering (Study Cohort w14)

Sample course plan A Master Environmental Engineering (IMPEE)
Specialisation Water

Legend:

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

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk
1	Waste Treatment Technologies		Wastewater Systems and Reuse (part 2)		Project Work Water		Master Thesis	
2	Biological Waste Treatment	PBL 3	Wastewater Systems - Collection, Treatment and Reuse	VL 2				
3	Waste and Environmental Chemistry	PR 2	Wastewater Systems - Collection, Treatment and Reuse	HÜ 1				
4			Management of Surface Water					
5			Modelling of Flow in Rivers and Estuaries	VL 3				
6			Nature-Oriented Hydraulic Engineering / Integrated Flood Protection	PBL 2				
7	Environmental Protection and Management							
8	Health, Safety and Environmental Management	VL 2						
9	Exercise Health, Safety and Environmental Management	UE 1	Water & Wastewater Systems					
10	Integrated Pollution Control	VL 2	Water & Wastewater Systems in a Global Context	VL 2				
11			Ecological Town Design - Water, Energy, Soil and Food Nexus	VL 2				
12					Selected Topics in Environmental Engineering (part 2)			
13	Practical Course in Water and Wastewater Technology				Selection from a catalog			
14	Practical Course in Water and Wastewater Technology I	PR 2						
15	Practical Course of Wastewater Technology II	PR 3	Selected Topics in Environmental Engineering (part 1)		Water Protection			
16			Selection from a catalog		Water Protection and Wastewater Management	VL 2		
17					Water Protection and Wastewater Management	HÜ 1		
18	Special areas of environmental protection		Groundwater Modeling		Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL 2		
19	Environmental Analysis	VL 2	Groundwater Engineering	VL 1				
20	Fluid Mechanics and Hydraulics	VL 3	Groundwater Engineering	UE 1				
21			Applied Groundwater Modeling	PBL 2	Membrane Technology			
22					Membrane Technology	VL 2		
23					Membrane Technology	UE 1		
24					Membrane Technology	PR 1		
25	Wastewater Systems and Reuse (part 1)							
26	Sustainable Water Management	PBL 2						
27								
28								
29								
30								
Business & Management (from catalogue) - 6LP								
Nontechnical Elective Complementary 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.

