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	POL	3	Wastewater Systems - Collection, Treatment and Reuse	VL	2	Project Work Water	PS	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	POL	2						
7	**Environmental Protection and Management**											
8	Health, Safety and Environmental Management	VL	2									
9	Exercise Health, Safety and Environmental Management	UE	1									
10	Integrated Pollution Control	VL	2	**Water & Wastewater Systems**								
11				Water & Wastewater Systems in a Global Context	VL	2						
12				Ecological Town Design - Water, Energy, Soil and Food Nexus	VL	2						
13	**Practical Course in Water and Wastewater Technology**						**Selected Topics in Environmental Engineering (part 2)**					
14	Practical Course in Water and Wastewater Technology I	PR	2				Selection from a catalog					
15	Practicle Course of Wastewater Technology II	PR	3									
16				**Selected Topics in Environmental Engineering (part 1)**			**Water Protection**					
17				Selection from a catalog			Water Protection and Wastewater Management	VL	2			
18							Water Protection and Wastewater Management	HÜ	1			
19	**Special areas of environmental protection**			**Groundwater Modeling**			Geo-Information-Systems in Water Management and Hydraulic Engineering	POL	1			
20	Environmental Analysis	VL	2	Groundwater Engineering	VL	1						
21	Fluid Mechanics and Hydraulics	VL	3	Groundwater Engineering	UE	1						
22				Applied Groundwater Modeling	POL	2	**Membrane Technology**					
23							Membrane Technology	VL	2			
24							Membrane Technology	UE	1			
25	**Wastewater Systems and Reuse (part 1)**						Membrane Technology	PR	1			
26	Sustainable Water Management	POL	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.