

# Course of Study Environmental Engineering (Study Cohort w15)

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

Legend:

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

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