

Course of Study Environmental Engineering (Study Cohort w14)

Sample course plan B Master Environmental Engineering (IMPEE) Specialisation Waste and Energy

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	Waste Treatment Technologies			Wastewater Systems and Reuse (part 2)			Project Work Waste and Energy			Master Thesis		
2	Biological Waste Treatment	POL	3	Wastewater Systems - Collection, Treatment and Reuse	VL	2	Project Work Waste and Energy	PS	2			
3	Waste and Environmental Chemistry	PR	2	Wastewater Systems - Collection, Treatment and Reuse	HÜ	1						
4				Geochemical Engineering								
5				Geochemical Engineering	VL	2						
6				Contaminated Sites and Landfilling	VL	2						
7				Contaminated Sites and Landfilling	HÜ	1						
8	Environmental Protection and Management											
9	Health, Safety and Environmental Management	VL	2									
10	Exercise Health, Safety and Environmental Management	UE	1									
11	Integrated Pollution Control	VL	2									
12				Technical Microbiology								
13				Applied Molecular Biology	VL	2						
14				Technical Microbiology	VL	2						
15				Technical Microbiology	HÜ	1						
16	Practical Course in Water and Wastewater Technology						Selected Topics in Environmental Engineering (part 2)					
17	Practical Course in Water and Wastewater Technology I	PR	2				Selection from a catalog					
18	Practical Course of Wastewater Technology II	PR	3									
19				Selected Topics in Environmental Engineering (part 1)			Special Aspects of Waste Resource Management					
20				Selection from a catalog			International Waste Management	POL	2			
21							Advanced Topics in Waste Resource Management	POL	3			
22												
23				Special areas of environmental protection								
24	Environmental Analysis	VL	2	Waste and Energy								
25	Fluid Mechanics and Hydraulics	VL	3	Waste Recycling Technologies	VL	2						
26				Waste Recycling Technologies	UE	1						
27				Waste to Energy	POL	2						
28							Wastewater Treatment and Air Pollution Abatement					
29							Air Pollution Abatement	VL	2			
30							Biological Wastewater Treatment	VL	2			
	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.