

Course of Study Environmental Engineering (Study Cohort w16)

Sample course plan C Master Environmental Engineering (IMPEE) Specialisation Biotechnology

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			Geochemical Engineering			Study Work Biotechnology			Master Thesis		
2	Biological Waste Treatment	POL	3	Geochemical Engineering	VL	2						
3	Waste and Environmental Chemistry	PR	2	Contaminated Sites and Landfilling	VL	2						
4				Contaminated Sites and Landfilling	HÜ	1						
5												
6												
7	Environmental Protection and Management			Technical Microbiology								
8	Health, Safety and Environmental Management	VL	2	Applied Molecular Biology	VL	2						
9	Health, Safety and Environmental Management	UE	1	Technical Microbiology	VL	2						
10	Integrated Pollution Control	VL	2	Technical Microbiology	HÜ	1						
11												
12												
13	Sustainable Water Management and Microbiology of Water Supply			Selected Topics in Environmental Engineering (part 1)			Selected Topics in Environmental Engineering (part 2)					
14	Sustainable Water Management	POL	2	Selection from a catalog			Selection from a catalog					
15	Microbiology of water supply	VL	2									
16				Bioprocess and Biosystems Engineering			Biocatalysis					
17				Bioreactor Design and Operation	VL	2	Technical Biocatalysis	VL	2			
18				Bioreactor Design and Operation	PR	1	Biocatalysis and Enzyme Technology	VL	2			
19	Environmental Analysis and water technology practise			Biosystems Engineering	VL	2						
20	Environmental Analysis	VL	2	Biosystems Engineering	POL	1						
21	Practical Course in Water and Wastewater Technology I	PR	2									
22							Bioresources and Biorefineries					
23							Bioresource Management	VL	2			
24							Bioresource Management	UE	1			
25	Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management						Biorefinery Technology	VL	2			
26	Geo-Information-Systems in Water Management and Hydraulic Engineering	POL	2				Biorefinery Technologie	UE	1			
27	Fluid Mechanics and Hydraulics	VL	2									
28	Fluid Mechanics and Hydraulics	UE	1									
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.