

# Course of Study Environmental Engineering (Study Cohort w21)

Sample course plan B Master Environmental Engineering (IMPEE)

		Core qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory							
		Core qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement							
Specialisation Waste and Energy		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>Geochemical Engineering</b>				<b>Study Work Waste and Energy</b>				<b>Master Thesis</b>			
2	Biological Waste Treatment	PBL	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	<b>Environmental Protection and Management</b>			<b>Technical Microbiology</b>											
8	Health, Safety and Environmental Management	VL	2	Applied Molecular Biology	VL	2									
9	Health, Safety and Environmental Management	GÜ	1	Technical Microbiology	VL	2									
10	Integrated Pollution Control	VL	2	Technical Microbiology	HÜ	1									
11															
12															
13	<b>Sustainable Water Management and Microbiology of Water Systems</b>			<b>Selected Topics in Environmental Engineering (part 1)</b>				<b>Selected Topics in Environmental Engineering (part 2)</b>							
14	Sustainable Water Management	PBL	2	Selection from a catalog				Selection from a catalog							
15	Microbiology of water systems	VL	2												
16				<b>Waste and Energy</b>				<b>Special Aspects of Waste Resource Management</b>							
17				Waste Recycling Technologies	VL	2		International Waste Management	PBL	2					
18				Waste Recycling Technologies	GÜ	1		Advanced Topics in Waste Resource Management	PBL	3					
19				Waste to Energy	PBL	2									
19	<b>Environmental Analysis and water technology practice</b>														
20	Environmental Analysis	VL	2												
21	Practical Course in Water and Wastewater Technology I	PR	2												
22															
23															
24															
25	<b>Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management</b>							<b>Wastewater Treatment and Air Pollution Abatement</b>							
26	Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL	2					Air Pollution Abatement	VL	2					
27	Fluid Mechanics and Hydraulics	VL	2					Biological Wastewater Treatment	VL	2					
28	Fluid Mechanics and Hydraulics	GÜ	1												
29															
30															
Business & Management (from catalogue) - 6LP															
Non-technical 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.

