Course of Study Energy and Environmental Engineering (Study Cohort w18)

Sample course plan B Master Energy and Environmental Engineering (EUTMS)
Specialisation Energy and Environmental Engineering, Specialisation Energy Engineering, Specialisation Environmental Engineering

Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP

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/v	vkSemester 2	Form Hrs/	wkSemester 3	Form Hrs/v	vkSemester 4 Form Hrs/wk
1 2 3 4 5	Transport Processes Heat & Mass Transfer in Process Engineering Multiphase Flows Reactor Design Using Local Transport Processes	VL 2 VL 2 PBL 2	Practical Course on Energy and Envir Engineering Practical Course on Energy and Environmental Engineering	PR 6	Seminar energy and environmental engineering Seminar energy and environmental engineering	SE 6	Master Thesis
7 8 9 10 11	Fluid Mechanics in Process Engineeri Fluid Mechanics II Applications of Fluid Mechanics in Process Engineering	ng VL 2 HÜ 2	Electricity Generation from Wind and Power Wind Turbine Plants Wind Energy Use - Focus Offshore Hydro Power Use Renewable Energy Projects in Emerged Markets	VL 2 VL 1 VL 1 PS 1	Membrane Technology Membrane Technology Membrane Technology Membrane Technology	VL 2 UE 1 PR 1	
13 14 15 16 17 18	Rural Development and Resources Of Sanitation for different Climate Zone Rural Development and Resources Oriented Sanitation for different Climate Zones Rural Development and Resources Oriented Sanitation for different Climate Zones		Steam Generators Steam Generators Steam Generators	VL 3 HÜ 1	Bioenergy Biofuels Process Technology Biofuels Process Technology Thermal Utilization of Biomass Thermal Utilization of Biomass World Market for Commodities from Agriculture and Forestry	VL 1 UE 1 VL 2 UE 1 VL 1	
19 20 21 22 23 24 25	Thermal Engineering Thermal Engineering Thermal Engineering	VL 3 HÜ 1	Geochemical Engineering Geochemical Engineering Contaminated Sites and Landfilling Contaminated Sites and Landfilling	VL 2 VL 2 HÜ 1			
26 27 28 29 30	Wastewater Treatment and Air Pollui Abatement Air Pollution Abatement Biological Wastewater Treatment Business & Management (from catalogue)	VL 2 VL 2	Wastewater Systems Advanced Wastewater Treatment Advanced Wastewater Treatment Wastewater Systems - Collection, Treatment and Reuse Wastewater Systems - Collection, Treatment and Reuse	VL 2 HÜ 1 VL 2 HÜ 1			

