

Course of Study Renewable Energies (Study Cohort w16)

Sample course plan B Master Renewable Energies (REMS)
Specialisation Wind Energy Systems

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/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	Fluid Mechanics and Ocean Energy			Dimensioning and Assessment of Renewable Energy Systems (part 2)			Thermal Engineering			Master Thesis		
2		Fluid Mechanics II	VL 2					Thermal Engineering	VL 3			
		Energy from the Ocean	VL 2		Heat Provision from Renewable Sources of Energy	SE 2		Thermal Engineering	HÜ 1			
3					Electricity Generation from Wind and Hydro Power							
4						Wind Turbine Plants						
5						Wind Energy Use - Focus Offshore						
6						Hydro Power Use						
7	Electrical Power Systems I					Renewable Energy Projects in Emerged Markets						
8		Electrical Power Systems I	VL 3		Use of Solar Energy		Energy Information Systems and Electromobility					
9		Electrical Power Systems I	HÜ 2					Electrical Power Systems II	VL 2			
10								Electro mobility	VL 2			
11						Solar Power Generation						
12						Radiation and Optic						
13	Bioenergy					Radiation and Optic						
14		Sustainable Mobility	VL 2			Collector Technology						
15		Biofuels Process Technology	VL 1		System Aspects of Renewable Energies		Maritime Technology and Offshore Wind Parks					
16		Biofuels Process Technology	UE 1			Energy Trading		Introduction to Maritime Technology	VL 2			
17		Thermal Utilization of Biomass	VL 2			Energy Trading		Offshore Wind Parks	VL 2			
18		World Market for Agricultural Commodities	VL 1			Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage		Introduction to Maritime Technology	UE 1			
19	Energy Projects and their Assessment					Deep Geothermal Energy						
20		Development of Renewable Energy Projects	VL 2									
21		Economics of an Energy Provision from Renewables	VL 1		Modeling and technical design of biorefinery processes							
22		Economics of an Energy Provision from Renewables	PS 1			CAPE in Energy Engineering						
23		Economics of an Energy Provision from Renewables	VL 2			Biorefineries - Technical Design and Optimization						
24		Sustainability Management	VL 2									
25	Dimensioning and Assessment of Renewable Energy Systems (part 1)											
26		Electricity Generation from Renewable Sources of Energy	SE 2									
27		Environmental Technology and Energy Economics	PBL 2									
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.