

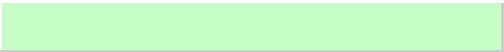
Course of Study Renewable Energies (Study Cohort w18)

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

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	Heat Provision from Renewable Sources of Energy	SE	2	Thermal Engineering	VL	3
									Energy from the Ocean	VL	2				Thermal Engineering	HÜ	1
3											Electricity Generation from Wind and Hydro Power						
4																	
5																	
6			Wind Turbine Plants	VL	2												
7			Wind Energy Use - Focus Offshore	VL	1												
8			Hydro Power Use	VL	1												
9	Electrical Power Systems I		Renewable Energy Projects in Emerged Markets		Energy Information Systems and Electromobility												
10									Electrical Power Systems I	VL	3	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids	VL	2			
11									Electrical Power Systems I	HÜ	2						
12									Use of Solar Energy								
13																	
14													Solar Power Generation	VL	2		
15			Energy Meteorology	VL	1												
16	Bioenergy		Collector Technology														
17							Biofuels Process Technology	VL	1	Maritime Technology and Offshore Wind Parks							
18							Biofuels Process Technology	UE	1			Introduction to Maritime Technology	VL	2			
19							Thermal Utilization of Biomass	VL	2			Offshore Wind Parks	VL	2			
20							Thermal Utilization of Biomass	UE	1			Introduction to Maritime Technology	UE	1			
21							World Market for Commodities from Agriculture and Forestry	VL	1			Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage	VL	2			
22			Deep Geothermal Energy	VL	2												
23	Energy Projects and their Assessment		Modelling and technical design of bio refinery processes														
24							Development of Renewable Energy Projects	VL	2	CAPE in Energy Engineering	PK	3					
25							Economics of an Energy Provision from Renewables	VL	1	Biorefineries - Technical Design and Optimization	PBL	3					
26							Economics of an Energy Provision from Renewables	PS	1								
27							Sustainability Management	VL	2								
28									Port Logistics								
29	Dimensioning and Assessment of Renewable Energy Systems (part 1)																
30			Electricity Generation from Renewable Sources of Energy	SE	2	Port Logistics	VL	2									
31			Environmental Technology and Energy Economics	PBL	2	Port Logistics	UE	2									

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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.