

Course of Study Renewable Energies (Study Cohort w18)

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

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.