

Course of Study Renewable Energies (Study Cohort w17)

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