

### Course of Study Renewable Energies (Study Cohort w17)

Sample course plan C 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	<b>Fluid Mechanics and Ocean Energy</b>	VL	2	<b>Dimensioning and Assessment of Renewable Energy Systems (part 2)</b>	SE	2	<b>Thermal Engineering</b>	VL	3	<b>Master Thesis</b>									
2											Fluid Mechanics II	VL	2	Heat Provision from Renewable Sources of Energy	SE	2	Thermal Engineering	HÜ	1
3											Energy from the Ocean	VL	2	<b>Electricity Generation from Wind and Hydro Power</b>	VL	2	Thermal Engineering	HÜ	1
4																			
5																			
6																			
7																			
8	<b>Electrical Power Systems I</b>	VL	3	Renewable Energy Projects in Emerged Markets	PS	1	<b>Energy Information Systems and Electromobility</b>	VL	2										
9											Electrical Power Systems I	HÜ	2	Electro mobility	VL	2			
10											<b>Use of Solar Energy</b>	VL	2	Electrical Power Systems II	VL	2			
11																	Solar Power Generation	VL	2
12																	Energy Meteorology	VL	1
13																	Energy Meteorology	UE	1
14	<b>Bioenergy</b>	VL	2	Collector Technology	VL	2	<b>Maritime Technology and Offshore Wind Parks</b>	VL	2										
15											Sustainable Mobility	VL	1	Introduction to Maritime Technology	VL	2			
16											Biofuels Process Technology	UE	1	Offshore Wind Parks	VL	2			
17											Biofuels Process Technology	UE	1	Introduction to Maritime Technology	UE	1			
18											Thermal Utilization of Biomass	VL	2	Energy Trading	UE	1			
19											World Market for Agricultural Commodities	VL	1	Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage	VL	2			
20	<b>Energy Projects and their Assessment</b>	VL	2	Deep Geothermal Energy	VL	2													
21								Development of Renewable Energy Projects	VL		1	<b>Modelling and technical design of bio refinery processes</b>							
22								Economics of an Energy Provision from Renewables	PS		1		CAPE in Energy Engineering	PK	2				
23								Economics of an Energy Provision from Renewables	VL		2		Biorefineries - Technical Design and Optimization	PBL	2				
24								Sustainability Management	VL		2		<b>Maritime Transport</b>						
25								<b>Dimensioning and Assessment of Renewable Energy Systems (part 1)</b>	SE		2			<b>Maritime Transport</b>					
26	Electricity Generation from Renewable Sources of Energy	PBL	2	Maritime Transport	VL	2													
27	Environmental Technology and Energy Economics	PBL	2	Maritime Transport	UE	2													
28																			
29																			
30																			
31																			
32																			
Business & Management (from catalogue) - 6LP																			

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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.