

# Course of Study Renewable Energies (Study Cohort w19)

Sample course plan A Master Renewable Energies (REMS)

## Specialisation Solar Energy Systems

		Semester 2		Semester 3		Semester 4				
	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk		
1	<b>Fluid Mechanics and Ocean Energy</b>		<b>Dimensioning and Assessment of Renewable Energy Systems (part 2)</b>		<b>Thermal Energy Systems</b>		<b>Integration of Renewable Energies (part 2)</b>			
2		VL	2	SE	2	VL	3	VL	2	
3	Fluid Mechanics II							Sustainable Mobility		
4	Energy from the Ocean	VL	2			HÜ	1	Integration of Renewable Energies II	VL	1
5								Integration of Renewable Energies II	GÜ	1
6										
7	<b>Electrical Power Systems I: Introduction to Electrical Power Systems</b>		<b>Electricity Generation from Wind and Hydro Power</b>		<b>Energy Information Systems and Electromobility</b>		<b>Master Thesis</b>			
8	Electrical Power Systems I: Introduction to Electrical Power Systems	VL	3	Wind Turbine Plants	VL	2				
9	Electrical Power Systems I: Introduction to Electrical Power Systems	HÜ	2	Wind Energy Use - Focus Offshore	VL	1				
10				Hydro Power Use	VL	1				
11				Renewable Energy Projects in Emerged Markets	PS	1				
12										
13	<b>Bioenergy</b>		<b>Use of Solar Energy</b>		<b>Integration of Renewable Energies (part 1)</b>					
14	Biofuels Process Technology	VL	1	Solar Power Generation	VL	2		Integration of Renewable Energies I	VL	1
15	Biofuels Process Technology	GÜ	1	Energy Meteorology	VL	1		Integration of Renewable Energies I	GÜ	1
16	Thermal Utilization of Biomass	VL	2	Energy Meteorology	GÜ	1				
17	Thermal Utilization of Biomass	GÜ	1	Collector Technology	VL	2				
18	World Market for Commodities from Agriculture and Forestry	VL	1							
19	<b>Energy Projects and their Assessment</b>		<b>System Aspects of Renewable Energies</b>							
20	Development of Renewable Energy Projects	VL	2	Energy Trading	VL	1				
21	Economics of an Energy Provision from Renewables	VL	1	Energy Trading	GÜ	1				
22	Economics of an Energy Provision from Renewables	PS	1	Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage	VL	2				
23	Sustainability Management	VL	2	Deep Geothermal Energy	VL	2				
24										
25	<b>Dimensioning and Assessment of Renewable Energy Systems (part 1)</b>		<b>Modelling and technical design of bio refinery processes</b>							
26	Electricity Generation from Renewable Sources of Energy	SE	2	CAPE in Energy Engineering	PK	3				
27	Environmental Technology and Energy Economics	PBL	2	Biorefineries - Technical Design and Optimization	PBL	3				
28										
29				<b>Fibre-polymer-composites</b>						
30				Design with fibre-polymer-composites	VL	2				
31				Structure and properties of fibre-polymer-composites	VL	2				
32										
33										
34										
Business & Management (from catalogue) - 6LP										
Non-technical 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.

