

Course of Study Renewable Energies (Study Cohort w19)

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

