## **Course of Study Renewable Energies (Study Cohort w18)**

Sample course plan B 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/w	kSemester 2	Form	Hrs/w	kSemester 3	Form Hrs/	vkSemester 4	Form Hrs/wk
2	Fluid Mechanics and Ocean Energy Fluid Mechanics II Energy from the Ocean	VL VL	2	Dimensioning and Assessment of Rei Energy Systems (part 2) Heat Provision from Renewable Sources of Energy			Thermal Engineering Thermal Engineering Thermal Engineering	VL 3 HÜ 1	Master Thesis	
3 4 5 6 7				Electricity Generation from Wind and Power Wind Turbine Plants Wind Energy Use - Focus Offshore	VL VL	2				
8	Electrical Power Systems I Electrical Power Systems I Electrical Power Systems I	VL HÜ	3	Hydro Power Use Renewable Energy Projects in Emerged Markets	VL PS	1	Energy Information Systems and Electromobility Electrical Power Systems II: Operation and Information Systems of Electrical	VL 2		
9 10 11 12				Use of Solar Energy Solar Power Generation Energy Meteorology	VL VL		Power Grids Electro mobility	VL 2		
13 14 15	<b>Bioenergy</b> Biofuels Process Technology	VL	1	Energy Meteorology Collector Technology	UE VL	1 2	Maritime Technology and Offshore W Introduction to Maritime Technology	<b>/ind Parks</b> VL 2		
16 17 18	Biofuels Process Technology Thermal Utilization of Biomass Thermal Utilization of Biomass	VL	1 2 1	System Aspects of Renewable Energi Energy Trading Energy Trading	es VL UE	1	Offshore Wind Parks Introduction to Maritime Technology	VL 2 UE 1		
19	World Market for Commodities from Agriculture and Forestry	VL	1	Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage	VL					
20 21 22	Energy Projects and their Assessmen Development of Renewable Energy Projects	<b>t</b> VL	2	Deep Geothermal Energy  Modelling and technical design of bio	VL refin					
23 24	Economics of an Energy Provision from Renewables Economics of an Energy Provision from	VL PS		processes  CAPE in Energy Engineering  Biorefineries - Technical Design and	PK PBL	3				
25	Renewables Sustainability Management	VL	2	Optimization						
26 27	Dimensioning and Assessment of Rer Energy Systems (part 1) Electricity Generation from Renewable	Marine Soil Technics								
28	Sources of Energy Environmental Technology and Energy Economics	PBL	2	Offshore Geotechnical Engineering Analysis of Maritime Systems Analysis of Maritime Systems	VL VL UE	2 2 1				
30					-02	_				

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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.