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

Sample course plan A Master Renewable Energies (REMS) Specialisation Wind Energy Systems

## Legend:

Special	sation 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	s/wkSemester 2	Form I	Hrs/w	kSemester 3	Form Hrs/w	kSemester 4	Form Hrs/wk
1 2	Fluid Mechanics and Ocean Energy Fluid Mechanics II Energy from the Ocean	VL 2 VL 2	Liest Developer from Developer ble Osumers of		2	Thermal Engineering Thermal Engineering Thermal Engineering	VL 3 HÜ 1	Master Thesis	
3 4 5 6 7			Electricity Generation from Wind and Hy Wind Turbine Plants Wind Energy Use - Focus Offshore Hydro Power Use	VL VL					
8	Electrical Power Systems I Electrical Power Systems I	VL 3	Renewable Energy Projects in Emerged Markets	PS	1	Energy Information Systems an Electrical Power Systems II	d Electromobility VL 2		
9 10 11 12	Electrical Power Systems I	HÜ 2	Use of Solar Energy Solar Power Generation Energy Meteorology	VL VL	2 1	Electro mobility	VL 2		
13 14	<b>Bioenergy</b> Sustainable Mobility	VL 2	Energy Meteorology Collector Technology	UE VL	1 2	Maritime Technology and Offsh Introduction to Maritime Technolog			
15 16	Biofuels Process Technology	VL 1	System Aspects of Renewable Energies Energy Trading	VL	1	Offshore Wind Parks	VL 2		
17 18	Biofuels Process Technology Thermal Utilization of Biomass	UE 1 VL 2		UE	1	Introduction to Maritime Technolog	gy UE 1		
19	World Market for Agricultural Commodities	VL 1	Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage		2				
20	Energy Projects and their Assessment Development of Renewable Energy Projects	VL 2	Deep Geothermal Energy	VL	2				
21 22	Economics of an Energy Provision from Renewables	VL 1	Modelling and technical design of bio re processes	finery					
23 24	Economics of an Energy Provision from Renewables	PS 1	CAPE in Energy Engineering Biorefineries - Technical Design and	PK PBL	2 2				
	Sustainability Management	VL 2			-				
25 26	Dimensioning and Assessment of Renewa Energy Systems (part 1)	able							
27 28	Electricity Generation from Renewable Sources of Energy	SE 2	Port Logistics	VL	2				
	Environmental Technology and Energy Economics	PBL 2	Port Logistics	UE	2				
29 30 31 32									

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.