Course of Study Renewable Energies (Study Cohort w18) Core qualification Compulsory

Sample course plan B Master Renewable Energies (REMS)

Specia	lisation Bioenergy Systems							Core qualification Elective Compulsory	Specialisation Compulsory	lective	Focus Elective Compulsory	Interdisciplinary complement
LP	Semester 1	kSemester 2	Form Hrs/wkSemester 3			Form Hrs/	vkSeme	ester 4	Form Hrs/wk			
1 2	Fluid Mechanics and Ocean Energy Fluid Mechanics II Energy from the Ocean		2 2	Dimensioning and Assessment of Re Energy Systems (part 2) Heat Provision from Renewable Sources of Energy			Thermal Engineer Thermal Engineer Thermal Engineer	ing	VL 3 HÜ 1	Mast	er Thesis	
3 4 5 6				Electricity Generation from Wind and Power Wind Turbine Plants Wind Energy Use - Focus Offshore	d Hydr o VL VL	o 2 1						
7 8	Electrical Power Systems I Electrical Power Systems I Electrical Power Systems I	VL HÜ	3 2	Hydro Power Use Renewable Energy Projects in Emerged Markets	VL VL PS	1 1 1	Fluidization Techn Technical Applicat		ng VL 2 VL 2			
9 10 11 12				Use of Solar Energy Solar Power Generation Energy Meteorology	VL VL	2 1		luidization Technology zation Technology	PR 1 UE 1			
13 14 15	Bioenergy Biofuels Process Technology	VL UE		Energy Meteorology Collector Technology System Aspects of Renewable Energ	UE VL	1 2	Wastewater Tre Abatement Air Pollution Abate	atment and Air Pollu	ition VL 2			
16 17	Biofuels Process Technology Thermal Utilization of Biomass		1 2	Energy Trading	VL	1	Biological Wastew		VL 2			
18	Thermal Utilization of Biomass World Market for Commodities from Agriculture and Forestry	UE VL		Energy Trading Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and	UE VL	1 2						
19 20	Energy Projects and their Assessmen Development of Renewable Energy	t VL	2	Storage Deep Geothermal Energy	VL	2						
21 22 23	Projects Economics of an Energy Provision from Renewables	VL		Modelling and technical design of bio processes CAPE in Energy Engineering	o refin PK	ery 3						
24	Economics of an Energy Provision from Renewables		1	Biorefineries - Technical Design and Optimization		3						
25 26	Sustainability Management VL 2 Dimensioning and Assessment of Renewable Energy Systems (part 1) 2											
27 28	Electricity Generation from Renewable Sources of Energy	SE	2	Waste Treatment and Solid Matter P Technology	rocess	5						
	Environmental Technology and Energy Economics	PBL	2	Solid Matter Process Technology for Biomass	VL	2						
29 30				Thermal Waste Treatment Thermal Waste Treatment	VL HÜ	2 1						

Specialisation Compulsory Focus Compulsory

Thesis Compulsory

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.