Course of Study Renewable Energies (Study Cohort w.16)

Sample course plan A Master Renewable Energies (REMS) Specialisation Bioenergy 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 I	Hrs/w	kSemester 3	Form H	lrs/w	kSemester 4 For	m Hrs/wk
1 2	Fluid Mechanics and Ocean Energy Fluid Mechanics II Energy from the Ocean	VL VL	2	Dimensioning and Assessment of Renew Energy Systems (part 2) Heat Provision from Renewable Sources of Energy	SE		Thermal Engineering Thermal Engineering Thermal Engineering	VL HÜ	3	Master Thesis	
4 5 6 7 8	Electrical Power Systems I			Electricity Generation from Wind and Hy Wind Turbine Plants Wind Energy Use - Focus Offshore Hydro Power Use Renewable Energy Projects in Emerged	Vdro Pow VL VL VL PS	/er 2 1 1 1	Examples in Solid Process Engineering				
9 10 11	Electrical Power Systems I Electrical Power Systems I	VL HÜ	3 2	Markets Use of Solar Energy Solar Power Generation Radiation and Optic	VL VL	2	Fluidization Technology Technical Applications of Particle Technology Practical Course Fluidization Technology Exercises in Fluidization Technology	VL VL PR UE	2		
13 14 15 16 17	Bioenergy Sustainable Mobility Biofuels Process Technology Biofuels Process Technology Thermal Utilization of Biomass World Market for Agricultural Commodities	VL VL UE VL VL	2 1 1 2	Radiation and Optic Collector Technology System Aspects of Renewable Energies Energy Trading Energy Trading Fuel Cells, Batteries, and Gas Storage: New	VL VL UE	1 2 1 1 2	Wastewater Treatment and Air Pollution Air Pollution Abatement Biological Wastewater Treatment	Abateme VL VL	2		
19 20 21 22 23	Energy Projects and their Assessment Development of Renewable Energy Projects Economics of an Energy Provision from Renewables Economics of an Energy Provision from	VL VL		Materials for Energy Production and Storage Deep Geothermal Energy Modeling and technical design of bioref processes CAPE in Energy Engineering	VL	2					
24 25 26 27	Renewables Sustainability Management Dimensioning and Assessment of Renewation Energy Systems (part 1)	VL able	2	Biorefineries - Technical Design and Optimization	PBL	2					
28	Electricity Generation from Renewable Sources of Energy Environmental Technology and Energy Economics	SE PBL	2	Waste and Energy Waste Recycling Technologies Waste Recycling Technologies Waste to Energy	VL UE PBL	2 1 2					
30 31 32	Pueinage 9 Management (from estalogue) - El	D									

Dusiness α ivianagement (ποιπ catalogue) - σΕΓ

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.