Course of Study Renewable Energies (Study Cohort w18)

Sample course plan B Master Renewable Energies (REMS) Specialisation Solar Energy Systems

Core qualification Compulsory

Core qualification Elective Compulsory

Specialisation Compulsory

Specialisation Elective Compulsory

Specialisation Elective Compulsory

Specialisation Elective Compulsory

Focus Elective Compulsory

Interdisciplinary complement

LP	Semester 1	Form I	Hrs/w	kSemester 2	Form	Hrs/w	kSemester 3	Form Hrs/	wkSemester 4	Form	Hrs/wk
2	Fluid Mechanics and Ocean Energy Fluid Mechanics II Energy from the Ocean	VL VL	2	Dimensioning and Assessment of Ret Energy Systems (part 2) Heat Provision from Renewable Sources of Energy			Thermal Engineering Thermal Engineering Thermal Engineering	VL 3 HÜ 1	Integration of Renewable Energies Integration of Renewable Energies II Integration of Renewable Energies II	VL	
3 4 5 6 7 8	Electrical Power Systems I Electrical Power Systems I	VL		Electricity Generation from Wind and Power Wind Turbine Plants Wind Energy Use - Focus Offshore Hydro Power Use Renewable Energy Projects in Emerged	VL VL VL VL PS		Energy Information Systems and Electromobility	W 2	Master Thesis		
9 10 11 12	Electrical Power Systems I	ΗÜ	2	Use of Solar Energy Solar Power Generation Energy Meteorology	VL VL	1	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids Electro mobility	VL 2			
13 14 15 16	Bioenergy Biofuels Process Technology Biofuels Process Technology Thermal Utilization of Biomass		1 1 2	Energy Meteorology Collector Technology System Aspects of Renewable Energi Energy Trading	UE VL ies VL	1 2	Integration of Renewable Energies (Sustainable Mobility Integration of Renewable Energies I Integration of Renewable Energies I	part 1) VL 2 VL 1 UE 1			
17 18	Thermal Utilization of Biomass World Market for Commodities from Agriculture and Forestry		1	Energy Trading Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage	UE VL	1 2	integration of Neitenaute Energies i	02 1			
20 21 22 23 24	Energy Projects and their Assessmen Development of Renewable Energy Projects Economics of an Energy Provision from Renewables Economics of an Energy Provision from	t VL VL PS	1	Modelling and technical design of bio processes CAPE in Energy Engineering Biorefineries - Technical Design and	VL refin PK PBL	2 iery 3 3					
25 26	Renewables Sustainability Management VL 2 Dimensioning and Assessment of Renewable Energy Systems (part 1)			Optimization	TUE	J					
27 28 29 30	Electricity Generation from Renewable Sources of Energy Environmental Technology and Energy Economics	SE PBL	2	Optoelectronics I - Wave Optics Optoelectronics I: Wave Optics Optoelectronics I: Wave Optics	VL UE	2					

31

32

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.