

Course of Study Renewable Energies (Study Cohort w20)

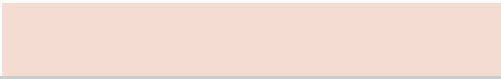
Sample course plan B Master Renewable Energies (REMS)
Specialisation Solar Energy Systems

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/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk	
1	Fluid Mechanics and Ocean Energy Fluid Mechanics II VL 2 Energy from the Ocean VL 2		Dimensioning and Assessment of Renewable Energy Systems (part 2) Heat Provision from Renewable Sources of Energy SE 2		Electricity Generation from Wind and Hydro Power (part 2) Sustainability Management VL 2		Integration of Renewable Energies (part 2) Integration of Renewable Energies II VL 1 Integration of Renewable Energies II UE 1		
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8	Electrical Power Systems I: Introduction to Electrical Power Systems Electrical Power Systems I: Introduction to Electrical Power Systems VL 3 Electrical Power Systems I: Introduction to Electrical Power Systems HÜ 2		Electricity Generation from Wind and Hydro Power (part 1) Wind Turbine Plants VL 2 Wind Energy Use - Focus Offshore VL 1 Hydro Power Use VL 1		Thermal Energy Systems Thermal Energy Systems VL 3 Thermal Energy Systems HÜ 1		Master Thesis		
9									
10									
11									
12									
13	Bioenergy Biofuels Process Technology VL 1 Biofuels Process Technology UE 1 Thermal Utilization of Biomass VL 2 World Market for Commodities from Agriculture and Forestry VL 1 Thermal Biomass Utilization PR 1		Use of Solar Energy Solar Power Generation VL 2 Energy Meteorology VL 1 Energy Meteorology UE 1 Collector Technology VL 2		Energy Information Systems and Electromobility Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids VL 2 Electro mobility VL 2				
14									
15									
16			System Aspects of Renewable Energies Energy Trading VL 1 Energy Trading UE 1 Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage VL 2 Deep Geothermal Energy VL 2		Integration of Renewable Energies (part 1) Sustainable Mobility VL 2 Integration of Renewable Energies I VL 1 Integration of Renewable Energies I UE 1				
17									
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20	Energy Projects and their Assessment Development of Renewable Energy Projects VL 2 Economics of an Energy Provision from Renewables VL 1 Economics of an Energy Provision from Renewables PS 1 Renewable Energy Projects in Emerged Markets PS 2		Modelling and technical design of bio refinery processes CAPE in Energy Engineering PK 3 Biorefineries - Technical Design and Optimization PBL 3						
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25	Dimensioning and Assessment of Renewable Energy Systems (part 1) Electricity Generation from Renewable Sources of Energy SE 2 Environmental Technology and Energy Economics PBL 2								
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Business & Management (from catalogue) - 6LP
Non-technical 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.