

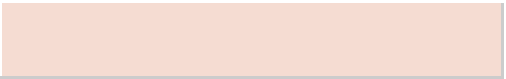
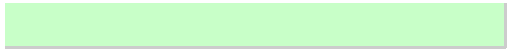
Course of Study Renewable Energies (Study Cohort w20)

Sample course plan A 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 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 Integration of Renewable Energies II	VL 1 UE 1		
2										
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8	Electrical Power Systems I: Introduction to Electrical Power Systems Electrical Power Systems I: Introduction to Electrical Power Systems Electrical Power Systems I: Introduction to Electrical Power Systems	VL 3	Electricity Generation from Wind and Hydro Power (part 1) Wind Turbine Plants Wind Energy Use - Focus Offshore Hydro Power Use	VL 2	Thermal Energy Systems Thermal Energy Systems Thermal Energy Systems	VL 3 HÜ 1	Master Thesis			
9										
10										
11										
12										
13	Bioenergy Biofuels Process Technology Biofuels Process Technology Thermal Utilization of Biomass	VL 1 UE 1 VL 2	Use of Solar Energy Solar Power Generation Energy Meteorology Energy Meteorology Collector Technology	VL 2 VL 1 UE 1 VL 2	Energy Information Systems and Electromobility Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids Electro mobility	VL 2 VL 2				
14										
15										
16	World Market for Commodities from Agriculture and Forestry	VL 1	Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage	VL 2	Integration of Renewable Energies (part 1) Sustainable Mobility Integration of Renewable Energies I Integration of Renewable Energies I	VL 2 VL 2 VL 1 UE 1				
17										
18	Thermal Biomass Utilization	PR 1	Deep Geothermal Energy	VL 2						
19	Energy Projects and their Assessment Development of Renewable Energy Projects Economics of an Energy Provision from Renewables Economics of an Energy Provision from Renewables Renewable Energy Projects in Emerged Markets	VL 2 VL 1 PS 1 PS 2	System Aspects of Renewable Energies Energy Trading Energy Trading Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage Deep Geothermal Energy	VL 1 UE 1 VL 2	Integration of Renewable Energies (part 1) Sustainable Mobility Integration of Renewable Energies I Integration of Renewable Energies I	VL 2 VL 2 VL 1 UE 1				
20										
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22										
23	Dimensioning and Assessment of Renewable Energy Systems (part 1) Electricity Generation from Renewable Sources of Energy Environmental Technology and Energy Economics	VL 1	Modelling and technical design of bio refinery processes CAPE in Energy Engineering Biorefineries - Technical Design and Optimization	PK 3 PBL 3						
24										
25										
26	Renewable Energy Projects in Emerged Markets	PS 2	Fibre-polymer-composites Design with fibre-polymer-composites Structure and properties of fibre-polymer-composites	VL 2 VL 2						
27										
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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.