

Course of Study Renewable Energies (Study Cohort w22)

Sample course plan B Master Renewable Energies (REMS)

Specialisation Bioenergy Systems															
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)			Thermal Energy Systems			Master Thesis					
2				Heat Provision from Renewable Sources of Energy SE 2			Thermal Energy Systems VL 3								
3				Use of Solar Energy Solar Power Generation VL 2 Energy Meteorology VL 1 Energy Meteorology GÜ 1 Collector Technology VL 2			Thermal Energy Systems HÜ 1								
4															
5															
6															
7	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 GÜ 2			Examples in Solid Process Engineering Fluidization Technology VL 2 Technical Applications of Particle Technology VL 2 Practical Course Fluidization Technology PR 1 Exercises in Fluidization Technology GÜ 1											
8															
9															
10															
11	Bioenergy Biofuels Process Technology VL 1 Biofuels Process Technology GÜ 1 Thermal Biomass Utilization VL 2 World Market for Commodities from Agriculture and Forestry VL 1 Thermal Biomass Utilization PR 1			System Aspects of Renewable Energies Energy Trading VL 1 Energy Trading GÜ 1 Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage VL 2 Deep Geothermal Energy VL 2			Environmental protection management Air Pollution Abatement VL 2 Health, Safety and Environmental Management IV 3								
12															
13															
14															
15	Energy Projects - Development and 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											
16															
17															
18															
19				Sustainable energy from wind and water Sustainability Management VL 2 Wind Turbine Plants VL 2 Wind Energy Use - Focus Offshore VL 1 Hydro Power Use VL 1											
20															
21															
22															
23	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			Waste Treatment and Solid Matter Process Technology Solid Matter Process Technology for Biomass VL 2 Thermal Waste Treatment VL 2 Thermal Waste Treatment HÜ 1											
24															
25															
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27															
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30															
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32															
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.

