

Course of Study Renewable Energies (Study Cohort w22)

Sample course plan C Master Renewable Energies (REMS)

Specialisation Solar Energy 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) Heat Provision from Renewable Sources of Energy SE 2					Thermal Energy Systems Thermal Energy Systems VL 3 Thermal Energy Systems HÜ 1					Master Thesis																																											
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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					Use of Solar Energy Solar Power Generation VL 2 Energy Meteorology VL 1 Energy Meteorology GÜ 1 Collector Technology VL 2																																																					
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13	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																																																					
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19	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																																																					
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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					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																																																					
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31						Risk Management, Hydrogen and Fuel Cell Technology Hydrogen Technology VL 2 Risk Management in the Energy Industry VL 2 Applied Fuel Cell Technology VL 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.

