## Course of Study Renewable Energies (Study Cohort w17)

Sample course plan C Master Renewable Energies (REMS)

## Legend:

	lisation Bioenergy Systems						Core qualification Compulsory	Specialisation Compulsor	/	Focus Compulsory	Thesis Compulsory	
opeela							Core qualification Elective Compulsory	Specialisation Elective Compulsory		Focus Elective Compulsory	Interdisciplinary complement	
LP	Semester 1	Form H	rs/w	kSemester 2	Form	Hrs/w	kSemester 3	Form Hrs.	wkSe	emester 4	Form Hrs.	/wk
LP 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Semester 1         Fluid Mechanics and Ocean Energy         Fluid Mechanics II         Energy from the Ocean         Electrical Power Systems I         Electrical Power Systems I         Electrical Power Systems I         Electrical Power Systems I         Sustainable Mobility         Biofuels Process Technology         Biofuels Process Technology         Thermal Utilization of Biomass         World Market for Agricultural Commodities         Economics of an Energy Provision from         Renewables         Economics of an Energy Provision from         Renewables         Sustainability Management	VL VL HÜ VL VL VL VL VL VL PS	2 2 3 2 2 1 1 2	AcSemester 2 Dimensioning and Assessment of Renewa Energy Systems (part 2) Heat Provision from Renewable Sources of Energy Electricity Generation from Wind and Hyor Wind Turbine Plants Wind Energy Use - Focus Offshore Hydro Power Use Renewable Energy Projects in Emerged Markets Use of Solar Energy Solar Power Generation Energy Meteorology Collector Technology Collector Technology Energy Trading Energy Trading Energy Trading Energy Trading Energy Trading Energy Trading Energy Trading Cole Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage Deep Geothermal Energy CAPE in Energy Engineering Biorefineries - Technical Design and Optimization	able SE VL VL VL PS VL UE VL UE VL	2 wer 2 1 1 1 2 1 1 2 1 1 2	Compulsory	Compulsory Form Hrs. VL 3 HÜ 1 ineering VL 2 VL 2 inology PR 1 gy UE 1	M			/wk
25 26 27	Dimensioning and Assessment of Renewa Energy Systems (part 1) Electricity Generation from Renewable		2	Bioprocess and Biosystems Engineering								
28	Sources of Energy Environmental Technology and Energy Economics	PBL		Bioprocess and Biosystems Engineering Bioreactor Design and Operation Bioreactor Design and Operation Biosystems Engineering	VL PR VL	2 1 2						
29 30 31 32				Biosystems Engineering	PBL	1						

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.