Course of Study Renewable Energies (Study Cohort w19)

	<b>,</b>			3	-		Core Qualification Compulsory	Specialisation			Focus Compulsory	Thesis Compulsory
	e course plan C Master Renewable Energie	s (REM	IS)				Core Qualification Elective Compulsory	Specialisation	n Elective	Compulsory	Focus Elective Compulsory	Interdisciplinary complement
pecia	isation Bioenergy Systems	Form	Hrs/wk	Semester 2	Form Hrs/wk	Semester 3		Form	Hrs/wk	Semester 4		Form Hrs
L	Fluid Mechanics and Ocean Energy			Dimensioning and Assessment of Renewable Energy Systems (par	t 2)	Thermal Energy Systems				Master The	sis	
2	Fluid Mechanics II	VL	2	Heat Provision from Renewable Sources of Energy	SE 2	Thermal Engergy Systems		VL	3			
	Energy from the Ocean	VL	2		_	Thermal Engergy Systems		ΗŪ	1			
3				Electricity Generation from Wind and Hydro Power Wind Turbine Plants	VL 2							
4				Wind Energy Use - Focus Offshore	VL 2							
5				Hydro Power Use	VL 1							
6				Renewable Energy Projects in Emerged Markets	PS 1							
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7	Electrical Power Systems I: Introduction to Electrical Power Syste					Examples in Solid Process I	Engineering					
8	Electrical Power Systems I: Introduction to Electrical Power Systems Electrical Power Systems I: Introduction to Electrical Power Systems	VL HÜ	3 2			Fluidization Technology  Technical Applications of Partic	sla Tachnalagy	VL VL	2			
9	Electrical Power Systems I: Introduction to Electrical Power Systems	HU	2	Use of Solar Energy		Practical Course Fluidization Te		PR PR	1			
10				Solar Power Generation	VL 2	Exercises in Fluidization Techn		GÜ	1			
				Energy Meteorology	VL 1		-					
11				Energy Meteorology	GÜ 1							
12				Collector Technology	VL 2							
13	Bioenergy					Wastewater Treatment and	Air Pollution Abatement					
14	Biofuels Process Technology	VL	1			Air Pollution Abatement		VL	2			
	Biofuels Process Technology	GÜ	1			Biological Wastewater Treatme	ent	VL	2			
15	Thermal Utilization of Biomass	VL	2	System Aspects of Renewable Energies								
16	Thermal Utilization of Biomass	GÜ	1	Energy Trading	VL 1							
17	World Market for Commodities from Agriculture and Forestry	VL	1	Energy Trading	GÜ 1							
				Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage	on VL 2							
18				Deep Geothermal Energy	VL 2							
19	Energy Projects and their Assessment											
20	Development of Renewable Energy Projects	VL	2									
21	Economics of an Energy Provision from Renewables  Economics of an Energy Provision from Renewables	VL PS	1	Modelling and technical design of bio refinery processes								
	Sustainability Management	VL VL	2	CAPE in Energy Engineering	PK 3							
22	Sustainability Management	VL.	2	Biorefineries - Technical Design and Optimization	PBL 3							
23												
24												
25	Dimensioning and Assessment of Renewable Energy Systems (par	rt 1)										
26	Electricity Generation from Renewable Sources of Energy	SE	2									
	Environmental Technology and Energy Economics	PBL	2									
27				Bioprocess and Biosystems Engineering								
28				Bioreactor Design and Operation	VL 2							
29				Biosystems Engineering Bioreactors and Biosystems Engineering	VL 2 PBL 1							
30				bioreactors and biosystems engineering	I DL I							
31												
32												
	Business & Management (from catalogue) - 6LP											
	Non-technical Courses for Master (from catalogue) - 6	SI P										
	Non teenmed courses for master (from catalogue) - (	ULI .										

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.