Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w23)

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			Core Qualification Compulse		y Specialisation Compulsory	Focus Compulsory		Thesis Compulsory					
ample	course plan T Bachelor Green	n Techn	ologies: Energy, Water, Cli	mate (G	TBS)		Core Qualifi	cation Elective Co	mpulsory Specialisation Elective Compulsory	Focus Elective	Compulsory	Interdisciplinary comp	plement
Decial	isation Energy Technology												
-1		_											
-	Mathematics I		Technical Thermodynamics I		Basics of Electrical Engineering		Fundamentals of Fluid Mechanics		Heat and Mass Transfer			eering: Design (part 2)	
2			Technical Thermodynamics I	VL 2	Basics of Electrical Engineering	VL 3	Fundamentals of Fluid Mechanics	VL 2	Heat and Mass Transfer	VL 2	Team Project Design		PBL
3			Technical Thermodynamics I	HÜ 1 GÜ 1	Basics of Electrical Engineering	GŪ 2	Fluid Mechanics for Process Engineering	HŪ 2 GÜ 2	Heat and Mass Transfer Heat and Mass Transfer	GÜ 1	Mechanical Design F	roject II	PBL
	Mathematics I GÜ) 2 Т	Technical Thermodynamics I	GU I			Fundamentals on Fluid Mechanics	GÜ 2	Heat and Mass Transfer	HÜ 1			
4											Reciprocating Mac		
5											Internal Combustion	-	VL
ŝ											Internal Combustion	Engines I	ΗÜ
7		H											
			Mathematics II Mathematics II	VL 4	Technical Thermodynamics II	VL 2	Sanitary Engineering I	VL 2	Introduction to Control Systems	14 2			
8			Mathematics II Mathematics II	VL 4 HÜ 2	Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1	Wastewater Disposal Wastewater Disposal	VL 2 HŪ 1	Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2	Bachelor Thesis		
9	General and Inorganic Chemistry		Mathematics II	GÜ 2	Technical Thermodynamics II	GŪ 1	Drinking Water Supply	VL 2	introduction to control systems	GU 2			
10		. 3	adrenades in	00 2	rechildar mernodynamics in	00 1	Drinking Water Supply	ΗŪ 1					
		3					Drinking water Supply	110 1					
11	Fundamentals in Inorganic Chemistry GÜ) 1											
12													
13					Mark and a lit		Commentioned Frances Containing and France		For and an inclusion of the second se				
					Mathematics III Analysis III	VL 2	Conventional Energy Systems and Ener Power Industry	VL 1	Economic and environmental project asso Basics of Environmental Project Assessment	VL 2			
14					Analysis III	GŪ 1	Energy markets and energy trading	VL 1 VL 2	Case studies economic and environmental	GÜ 1			
15	Computer Science for Engineers - Introduction a	and C	Organic Chemistry		Analysis III	HÜ 1	Fossil Energy Systems	VL 2 VL 2	project assessment	GU 1			
16	Overview		Drganic Chemistry	VL 2	Differential Equations 1	VL 2	Fuels I	VL 2 VL 1	Basics of economic project assement	VL 2			
	Computer Science for Engineers - Introduction VL	. 3 (Organic Chemistry	PR 2	Differential Equations 1	GŪ 1	10001						
17	and Overview		Organic Chemistry	GÜ 2	Differential Equations 1	HÜ 1							
18	Computer Science for Engineers - Introduction GÜ) 2											
19	and Overview						Renewable Energies		Mechanical Engineering: Design (part 1)				
							Renewable Energies I	VL 2	Embodiment Design and 3D-CAD Introduction	VL 2			
20							Renewable Energies I	VL 2 VL 2	and Practical Training	VL Z			
21	Green Technologies I	E	Engineering Mechanics II (Elastostatics)		Measurement Technology for Chemical and	d Bioprocess	Renewable Energies I	HŪ 1	Mechanical Design Project I	PBL 3			
22	Meteorology and Climate Systems - Introduction VL	. 2 E	Engineering Mechanics II	VL 2	Engineering		Fuels II	VL 1	Numerical Mathematics I				
	Introduction Green Technologies SE	2 E	Engineering Mechanics II	GÜ 2	Measurement Technology	VL 2			Numerical Mathematics I	VL 2			
23	Meteorology and Climate Systems - Introduction GÜ) 2 E	Engineering Mechanics II	HÜ 2	Physical Fundamentals of Measurement	VL 2			Numerical Mathematics I	GÜ 2			
24					Technology	PR 2							
25					Practical Course Measurement Technology	PR 2	Green Technologies II (part 2)						
							Practical Exercise Environmental Technology	/ PR 1					
26							Fundamentals of Mechanical Engineerin						
							Fundamentals of Mechanical Engineering De						
27	Engineering Mechanics I (Stereostatics)				Green Technologies II (part 1)		Fundamentals of Mechanical Engineering De						
28		2			Environmental Technologie	VL 2	J		Fundamentals of Materials Science				
29	Engineering Mechanics I GÜ Engineering Mechanics I HŪ				Pollutant analysis	VL 2			Fundamentals of Materials Science II	VL 2			
	Engineering Mechanics I HÜ	, 1							Fundamentals of Materials Science I	VL 2			
30									Physical and Chemical Basics of Materials	VL 2			
31									Science				
32													
33													
34									Reciprocating Machinery (part 1)				
35									Fundamentals of Reciprocating Engines and	VL 1			
									Turbomachinery - Part Reciprocating Engines				
									Fundamentals of Reciprocating Engines and Turbomachinery - Part Reciprocating Engines	HÜ 1			

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