Course of Study Energy and Environmental Engineering sustained Elective Comput. W20)

puble	course plan A Bachelor Ener	gy and	Environmental Engineering	(EUIDS					
L	Engineering Mechanics I		Engineering Mechanics II		Mechanical Engineering: Design (part 1)		Fundamentals of Fluid Mechanics	Heat and Mass Transfer	Environmental Technology (part 2)
		VL 3	Engineering Mechanics II	VL 3	Embodiment Design and 3D-CAD	VL 2	Fundamentals of Fluid Mechanics VL 2	Heat and Mass Transfer VL 2	Practical Exercise Environmental Technology PR 1
	Engineering Mechanics I	eering Mechanics I GÜ 2	Engineering Mechanics II	GÜ 2	Mechanical Design Project I	PBL 3	Fluid Mechanics for Process Engineering HŪ 2	Heat and Mass Transfer GÜ 1 Heat and Mass Transfer HÜ 1	Renewables Energy Systems und Energy Economy
									Renewable Energy VL 2 Energy Systems and Energy Industry VL 2
					Basics of Electrical Engineering				Power Industry VL 1
,					Basics of Electrical Engineering Basics of Electrical Engineering	VL 3 GÜ 2			Renewable Energy GÜ 1
5					basics of Electrical Engineering	G0 2			
7	Mathematics I		Fundamentals of Mechanical Engineering De	sign			Electrical Machines and Actuators	Introduction to Control Systems	
3		VL 2	Fundamentals of Mechanical Engineering Design				Electrical Machines and Actuators VL 3	Introduction to Control Systems VL 2	Advanced Mechanical Engineering Design (part 2)
)		GÜ 1 HÜ 1	Fundamentals of Mechanical Engineering Design	HU 2			Electrical Machines and Actuators HÜ 2	Introduction to Control Systems GÜ 2	Advanced Mechanical Engineering Design II VL 2
.0		VL 2			Technical Thermodynamics II				Advanced Mechanical Engineering Design II HÜ 2
1		GÜ 1			Technical Thermodynamics II	VL 2			Posingerating Machinery (next 2)
	Analysis I	HŪ 1			Technical Thermodynamics II	HÜ 1			Reciprocating Machinery (part 2) Internal Combustion Engines I VL 2
.2					Technical Thermodynamics II	GÜ 1			Internal Combustion Engines I HÜ
L3			Technical Thermodynamics I Technical Thermodynamics I	VL 2			Computer Science for Engineers - Programming Concepts, Data Handling & Communication	Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical VL 2	
4			Technical Thermodynamics I	HÜ 1			Computer Science for Engineers - Programming VL 3	Engineering VE 2	
5	General and Inorganic Chemistry		Technical Thermodynamics I	GÜ 1			Concepts, Data Handling & Communication	Measurement Technology for Mechanical HÜ 1	Bachelor Thesis
6	neral and Inorganic Chemistry VL 3 ndamentals in Inorganic Chemistry PR 3				Foundations of Management		Computer Science for Engineers - Programming GÜ 2 Concepts, Data Handling & Communication	Engineering Practical Course: Measurement and Control PR 2	
7		GÜ 1			Introduction to Management	VL 3		Systems 2	
.8					Management Tutorial	GÜ 2			
19			Mathematics II				Mechanical Engineering: Design (part 2)	Environmental Technology	
20			Linear Algebra II	VL 2			Team Project Design Methodology PBL 2	Environmental Assessment VL 2	
21	Introduction into Energy and Environmental		Linear Algebra II	GÜ 1 HÜ 1			Mechanical Design Project II PBL 3	Case studies project assessment GÜ 1	
22	Engineering		Linear Algebra II Analysis II	VL 2	Mathematics III		Fundamentals of Materials Science (part 2)	Environmental Technology (part 1)	
		BL 4	Analysis II	HÜ 1	Analysis III	VL 2	Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II VL 2	Environmental Technologie VL 2	
23	Engineering Physics-Lab for EUT	PR 2	Analysis II	GÜ 1	Analysis III	GŪ 1		·	-
14	Thysics Edulot Edi	2			Analysis III	HÜ 1		Advanced Mechanical Engineering Design (part 1) Advanced Mechanical Engineering Design I VI 2	
25					Differential Equations 1 Differential Equations 1	VL 2 GÜ 1		Advanced Mechanical Engineering Design I VL 2 Advanced Mechanical Engineering Design I HÜ 2	
16					Differential Equations 1	HÜ 1			
.7			Organic Chemistry					Mechanics III (Dynamics)	
8			Organic Chemistry	VL 4				Engineering Mechanics III VL 3	
19			Organic Chemistry	PR 3				Engineering Mechanics III GÜ 2 Engineering Mechanics III HÜ 1	
0					Fundamentals of Materials Science (part 1)			Engineering Medianics III NO 1	
1					Fundamentals of Materials Science I	VL 2			
2					Physical and Chemical Basics of Materials Science	e VL 2			
									-
33								Reciprocating Machinery (part 1)	
4								Fundamentals of Reciprocating Engines and VL 1 Turbomachinery - Part Reciprocating Engines	
								Fundamentals of Reciprocating Engines and HÜ 1	
								Turbomachinery - Part Reciprocating Engines	

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