Course of Study Energy and Environmental Engineering (Study Cohort.w14)

Sampl	e course plan - Bachel	or Ene	rgy and Environmental	Engine	ering (EUTBS)		Core qualification Elective Compulsory	Spec	cialisation Elective pulsory	Focus Elective Con	npulsory Interdisciplinary comp	plement
LP	Semester 1	FormHrs/wl	Semester 2	FormHrs/wk	Semester 3	FormHrs/wk	Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk
1	Engineering Mechanics I		Engineering Mechanics II		Mechanical Engineering: Design (pa	rt 1)	Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Thermal Separation Processes (pa	rt 2)
	Engineering Mechanics I	VL 3	Engineering Mechanics II	VL 3	Embodiment Design and 3D-CAD	VL 2		VL 2	Heat and Mass Transfer	VL 2	Separation Processes	PR 1
2	Engineering Mechanics I	UE 2	Engineering Mechanics II	UE 2	Mechanical Design Project I	TT 3	Exercises in Fluid Mechanics for Process Engineering	HÜ 1	Heat and Mass Transfer	UE 1	Environmental Assessment and	
3							Process Engineering				Environmental Technology (part 2)	
4					Basics of Electrical Engineering						Environmental Assessment Environmental Assessment	VL 2 UE 1
5					Basics of Electrical Engineering	VL 3					Practical Exercise Environmental	PR 1
					Basics of Electrical Engineering	UE 2					Technology	
6											Renewables and Energy Systems	
7	Mathematics I		Fundamentals of Mechanical Engineering				Electrical Machines		Thermal Separation Processes (part 1)		Renewable Energy VL 2	
8	Linear Algebra I	VL 2	Design				Electrical Machines	VL 3	Thermal Separation Process	es VL 3	Energy Systems and Energy Indust	
_	Linear Algebra I	UE 1	Fundamentals of Mechanical	VL 2			Electrical Machines	HÜ 2	Thermal Separation Process		Power Industry Renewable Energy	VL 1 UE 1
9	Linear Algebra I	HÜ 1	Engineering Design Fundamentals of Mechanical	HÜ 2					Thermal Separation Process	es HÜ 1	Tienewable Energy	OL 1
10	Analysis I Analysis I	VL 2 UE 1	Engineering Design	110 2	Technical Thermodynamics II	VL 2						
11	Analysis I	HÜ 1			Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1						
12					Technical Thermodynamics II	UE 1			Gas and Steam Power Plant	s	Particle Technology and Solids Pro	ocess
13			Technical Thermodynamics I				Foundations of Management		Gas and Steam Power Plants		Engineering	
14			Technical Thermodynamics I	VL 2			Introduction to Management	VL 4	Gas and Steam Power Plants	HÜ 2	Particle Technology I Particle Technology I	VL 2 UE 1
15	Fundamentals in Inorganic Chemistry		Technical Thermodynamics I	HÜ 1			Project Entrepreneurship	POL 2			Particle Technology I	PR 2
	Fundamentals in Inorganic Chemistry		Technical Thermodynamics I	UE 1	Mada and III							
16	Fundamentals in Inorganic Chemistry				Mathematics III Analysis III	VL 2						
17					Analysis III	UE 1						
18					Analysis III	HÜ 1			Introduction to Control Syste		Bachelor Thesis	
19			Mathematics II		Differential Equations 1	VL 2	Informatics for Process Engineers		Introduction to Control System			
20			Linear Algebra II	VL 2	Differential Equations 1	UE 1		PR 2	Introduction to Control System	ms UE 2		
21	Introduction into Energy and Environ	nental	Linear Algebra II Linear Algebra II	UE 1 HÜ 1	Differential Equations 1	HÜ 1	Informatics for Process Engineers Informatics for Process Engineers	VL 2 UE 2				
22	Engineering		Analysis II	VL 2			illioillatics for Flocess Engineers	OE Z				
	Introduction to Energy and	POL 4	Analysis II	HÜ 1								
23	Environmental Engineering Physics-Lab for VT/BVT/EUT-	PR 2	Analysis II	UE 1								
24	Engineers	IN Z			Fundamentals of Materials Science	<u> </u>			Environmental Assessment Environmental Technology (
25					Fundamentals of Materials Science Physical and Chemical Basics of	VL 2	Mechanical Engineering: Design (part		Environmental Technologie	VL 2		
26					Materials Science			POL 2 TT 3	Measurement Technology fo			
27			Organic Chemistry				Mechanical Design Project II	11 3	Process Engineers			
			Organic Chemistry Organic Chemistry	VL 4					Measurement Technology for			
28			Organic Chemistry	PR 3			Fundamentals of Materials Science (particular fundamentals of Materials Science II		Mechanical and Process En			
29							rundamentals of Materials Science II	VL 2	Measurement Technology for Mechanical and Process Eng			
\perp												
30									Practical Course: Measurement			

Core qualification Compulsory

Specialisation Compulsory

Focus Compulsory

Thesis Compulsory

