. 101 . -Course of Study Energy and Enviro . . .

Sample course plan - Bachelor Energy and Environmenta

Organic Chemistry

PR 3

y and	Environmental Eng	gineer	ing (Study Cohort	w16)	L	egend:							
						ore qualification Compulsory	/ Spe	ecialisation Compulsory	Focus Compulsory		Thesis Compulsory		
								ecialisation Elective npulsory	Focus Elective Cor	mpulsory	Interdisciplinary complement		
Forn h irs/	w& semester 2	Forn h irs	w&kemester 3	Forn h irs/	w&semeste	r4 F	orn h irs/	w&veemester 5	Forn h irs/	w&semester	6	Form	hlrs/w
VL 3 UE 2	Engineering Mechanics II Engineering Mechanics II Engineering Mechanics II	VL 3 UE 2	Mechanical Engineering: I (part 1) Embodiment Design and 3D- CAD Mechanical Design Project I Basics of Electrical Engine Basics of Electrical Engineering	- VL 2 TT 3	Fundame Mechanic	chanics for Process	/L 2	Heat and Mass Trans Heat and Mass Trans Heat and Mass Trans Heat and Mass Trans	fer VL 2 fer UE 1	(part 2) Separation Environm 2) Practical E Environme Renewable Energy Sys	ntal Technology es and Energy S	PR I y (par PR System VL	t 1 s 2
VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Fundamentals of Mechanica Engineering Design Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design	VL 2	Technical Thermodynamics	VL 2	Electrical	cal Machines cal Machines cal Machines	VL 3 HÜ 2	Thermal Separation (part 1) Thermal Separation Processes Thermal Separation Processes Thermal Separation Processes	Processes VL 2 UE 2 HÜ 1	Industry Power Industry Renewable Energy Particle Technology and Particle Technology I Particle Technology I Particle Technology I	echnology and s ingineering ichnology I ichnology I	VL UE Solids VL UE PR	1 2 1
nistry VL 4 PR 3	Technical Thermodynamics I Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1 Technical Thermodynamics I UE 1	Technical Thermodynamics II Mathematics III Analysis III Analysis III	Foun Introd	Introducti	ions of Management ion to Management N ntrepreneurship F		Gas and Steam Power Gas and Steam Power Plants Gas and Steam Power Plants	r VL 3 r HÜ 2	Environme Environme	<mark>ental Technolog</mark> ntal Assessment ntal Assessment	VL		
i d PBL 4	Mathematics II Linear Algebra II Linear Algebra II Linear Algebra II Analysis II	VL 2 UE 1 HÜ 1 VL 2	Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	VL 2 UE 1 HÜ 1 Er	Numeric Informatio Engineers	cs for Process \	neers PR 2 /L 2 JE 2	Introduction to Control Systems Introduction to Control Systems	I VL 2	Bachelor Thesis			
PR 2	Analysis II Analysis II Organic Chemistry Organic Chemistry	VL 2 HÜ 1 UE 1	Fundamentals of Materials Science (part 1) Fundamentals of Materials Science I Physical and Chemical Basics of Materials Science	VL 2 VL 2 VL 2	(part 2)	cal Engineering: Des	sign PBL 2	Measurement Techno Mechanical and Proc Engineers Measurement Technol Mechanical and Proce Engineers	cess logy for VL 2				

Mechanical Design Project II TT 3

Fundamentals of Materials

Engineers

Measurement Technology for HÜ 1

Mechanical and Process

LP

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26 27

28 29 Semester 1

Mathematics I

Linear Algebra I

Linear Algebra I

Linear Algebra I

General and Inorganic Chemistry

Fundamentals in Inorganic VL 4

Fundamentals in Inorganic PR 3

Introduction into Energy and

Introduction to Energy and PBL 4

Environmental Engineering

Environmental Engineering

Physics-Lab for VT/ BVT/

Analysis I

Analysis I

Analysis I

Chemistry

Chemistry

EUT

Engineering Mechanics I

Engineering Mechanics I

Engineering Mechanics I

		Fundamentals of Materials VL 2	Practical Course: PR 2 Measurement and Control Systems	2
			Environmental Technology (part	
			1)	
			Environmental Technologie VL 2	2
for Bachelors (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.