

Exclosure to Subject Specific Regulations  
 from 25.07.2018  
 for Bachelor-Programme  
 Energie- und Umwelttechnik  
 at TUHH  
 Programme Director: Prof. Alfons Kather  
 Total: 180 CP  
 Number of Specilisations to choose: 0



# Course Scheme Bachelor Energy and Environmental Engineering (EUTBS)

Consolidated Version  
 for Study Cohort: WiSe19/20  
 en\_head\_sda  
 and Approval of Chair from:  
 30.04.2020  
 Replaces Version from: 03.04.2019  
 In Force on: 01.10.2020  
 Out of Force on: 31.03.2024

Information regarding the lectures are available in the TUHH modul manuals as well as in the course catalogue.

Re-com. Term	Module						Examination			Course Work		
	Module Name (German / English)	Language	ModuleResponsability	Institute	C/EC (1)	CM/OM (2)	CP (4)	Grade	Examination Form(3)	Compulsory	Course Work Type	Bonus (in %)
<b>Core qualification</b> Compulsory Courses: 162 LP Optional Courses: 6 LP												
1	Allgemeine und Anorganische Chemie / General and Inorganic Chemistry	DE	Prof. Luinstra	0-UNIHH	C	CM	6	Y	KL	Y	FFST	0
1	Einführung in die Energie- und Umwelttechnik / Introduction into Energy and Environmental Engineering	DE / EN	Prof. Kather	M-5	C	CM	6	Y	KL	Y	FFST	0
										Y	EX	0
										Y	RE	20
1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL			
1	Technische Mechanik I / Engineering Mechanics I	DE	Prof. Weltin	M-24	C	CM	6	Y	KL			
2	Grundlagen der Konstruktionslehre / Fundamentals of Mechanical Engineering Design	DE	Prof. Krause	M-17	C	CM	6	Y	KL			
2	Mathematik II / Mathematics II	DE	Prof. Taraz	E-10	C	CM	8	Y	KL			
2	Organische Chemie / Organic Chemistry	DE	Dr. Neffe	0-UNIHH	C	CM	6	Y	KL	Y	FFST	0
2	Technische Mechanik II / Engineering Mechanics II	DE	Prof. Weltin	M-24	C	CM	6	Y	KL			
2	Technische Thermodynamik I / Technical Thermodynamics I	DE	Prof. Schmitz	M-21	C	CM	6	Y	KL			
3	Grundlagen der Betriebswirtschaftslehre / Foundations of Management	DE	Prof. Ihl	W-11	C	CM	6	Y	FFA			
3	Grundlagen der Elektrotechnik / Basics of Electrical Engineering	DE	Prof. Kern	M-4	C	CM	6	Y	KL			
3	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH	C	CM	8	Y	KL			
3	Technische Thermodynamik II / Technical Thermodynamics II	DE	Prof. Schmitz	M-21	C	CM	6	Y	KL			
3-4	Grundlagen der Werkstoffwissenschaften / Fundamentals of Materials Science	DE	Prof. Weißmüller	M-22	C	CM	6	Y	KL			

		Module					Examination			Course Work		
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3-4	Konstruktionslehre Gestalten / Mechanical Engineering: Design	DE	Prof. Krause	M-17	C	CM	6	Y	KL	Y	SA	0
										Y	SA	0
										Y	SA	0
										Y	SA	0
4	Elektrische Maschinen und Antriebe / Electrical Machines and Actuators	DE	Prof. Kern	M-4	C	CM	6	Y	FFA			
4	Grundlagen der Strömungsmechanik / Fundamentals of Fluid Mechanics	DE	Prof. Schlüter	V-5	C	CM	6	Y	KL	Y	MT	5
4	Informatik für Verfahreningenieure / Informatics for Process Engineers	DE	Dr. Venzke	E-17	C	CM	6	Y	KL			
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Werner	E-14	C	CM	6	Y	KL			
5	Messtechnik für Maschinenbau / Measurement Technology for Mechanical Engineers (lt. letzter PO Messtechnik für Maschinenbau- und Verfahreningenieure)	DE / EN	Prof. Kern	M-4	C	CM	6	Y	KL	Y	FFST	0
5	Thermische Grundoperationen / Thermal Separation Processes	DE / EN	Prof. Smirnova	V-8	C	CM	6	Y	KL			
5	Wärme- und Stoffübertragung / Heat and Mass Transfer	DE	Prof. Smirnova	V-8	C	CM	6	Y	KL			
5	Wärmekraftwerke / Gas and Steam Power Plants	DE	NN	M-5	EC	CM	6	Y	KL	N	TE	5
										N	ÜA	5
5-6	Umwelttechnik / Environmental Technology	DE	Prof. Kaltschmitt	V-9	C	CM	3	Y	KL	Y	FFST	0
5-6	Kolbenmaschinen / Reciprocating Machinery	DE	Prof. Wirz	M-12	EC	CM	6	Y	KL			
6	Partikeltechnologie und Feststoffverfahrenstechnik I / Particle Technology and Solids Process Engineering	DE / EN	Prof. Heinrich	V-3	C	CM	6	Y	KL	Y	SA	0
6	Regenerative Energiesysteme und Energiewirtschaft / Renewables and Energy Systems	DE / EN	Prof. Kaltschmitt	V-9	C	CM	6	Y	KL			
6	Umweltbewertung / Environmental Technology	DE / EN	Prof. Kaltschmitt	V-9	C	CM	3	Y	KL			
1-6	Nichttechnische Angebote im Bachelor / Non-technical Courses for Bachelors (lt. letzter PO Nichttechnische Ergänzungskurse im Bachelor)	DE / EN	Richter	0-TUHH	C	OM	6	Selection out of seperatly published Catalogue				
<b>Thesis</b> Compulsory Courses: 12 LP Optional Courses: 0 LP												
6	Bachelorarbeit / Bachelor Thesis		Professoren der TUHH	0-TUHH	C	CM	12	Y	AB			

## Explanation:

<sup>1</sup>C=Compulsory, EC=Elective Compulsory

<sup>2</sup>CM=Compulsory Defined Module, OM=Optional Defined Module

<sup>3</sup>KL=Written exam, MT=Midterm, SA=Written elaboration, FFA=Subject theoretical and practical work, FFST=Subject theoretical and practical work, MP=Oral exam, RE=Presentation, ÜA=Excercises, AB=Thesis,

<sup>4</sup>X=Participation in excursions, TE=Attestation

<sup>4</sup>CP=Credit Points

<sup>5</sup>VL=Lecture, SE=Seminar, UE=Recitation Section (small), PBL=Project-/problem-based Learning, PR=Practical Course, HÜ=Recitation Section (large)

<sup>6</sup>DE=German, EN=English, DE/EN=German and English

<sup>7</sup>SWS=Contact hours