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

TUHH
Hamburg University of Technology

Course Scheme Bachelor Energy and Environmental Engineering (EUTBS)

Consolidated Version
for Study Cohort: WiSe20/21
en_head_sda
and Approval of Chair from:
19.05.2021
Replaces Version from: 08.04.2020
In Force on: 01.10.2021
Out of Force on: 30.09.2027

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

	Module							Examination			Course Work		
	Re-com. Term	Module Name (German / English)	Language	ModuleResponsability	Institute	C/EC (1)	CM/ OM (2)	CP (4)	Grade	Exami-nation Form(3)	Compulsory	Course Work Type	Bonus (in %)
Core qualification Compulsory Courses: 150 LP Optional Courses: 18 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	Dr. Rafailidis	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-M	C	CM	8	Y	KL			
	3	Technische Thermodynamik II / Technical Thermodynamics II	DE	NN	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 Ingenieure - Programmierkonzepte, Data Handling & Kommunikation / Computer Science for Engineers - Programming Concepts, Data Handling & Communication	DE	Prof. Fröschle	E-15	C	CM	6	Y	KL	N	TE	10
	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	DE / EN	Prof. Kern	M-4	C	CM	6	Y	FFA	Y	FFST	0
	5	Umweltbewertung / Environmental Technology	DE / EN	Prof. Kaltschmitt	V-9	C	CM	3	Y	KL			
	5	Wärme- und Stoffübertragung / Heat and Mass Transfer	DE	Prof. Smirnova	V-8	C	CM	6	Y	KL			
	5	Mechanik III (Dynamik) / Mechanics III (Dynamics)	DE	Prof. Seifried	M-13	EC	CM	6	Y	KL			
	5	Thermische Grundoperationen / Thermal Separation Processes	DE / EN	Prof. Smirnova	V-8	EC	CM	6	Y	KL			
	5	Wärmekraftwerke / Gas and Steam Power Plants	DE	Dr. Abel-Günther	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			
	5-6	Vertiefte Konstruktionslehre / Advanced Mechanical Engineering Design	DE	Prof. Krause	M-17	EC	CM	6	Y	KL			
	6	Regenerative Energiesysteme / Renewables Energy Systems (lt. letzter PO Regenerative Energiesysteme und Energiewirtschaft)	DE / EN	Prof. Kaltschmitt	V-9	C	CM	6	Y	KL			
	6	Partikeltechnologie und Feststoffverfahrenstechnik I / Particle Technology and Solids Process Engineering	DE / EN	Prof. Heinrich	V-3	EC	CM	6	Y	KL	Y	SA	0
	1-6	Nichttechnische Angebote im Bachelor / Non-technical Courses for Bachelors	DE / EN	Richter	0-TUHH	C	OM	6	Selection out of seperatly published Catalogue				
Thesis	Compulsory Courses: 12 LP Optional Courses: 0 LP												
	6	Bachelorarbeit / Bachelor Thesis		Professoren der TUHH	0-TUHH	C	CM	12	Y	AB			

Explanation:
[1]C=Compulsory, EC=Elective Compulsory
[2]CM=Compulsory Defined Module, OM=Optional Defined Module
[3]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, EX=Participation in excursions, TE=Attestation
[4]CP=Credit Points
[5]VL=Lecture, SE=Seminar, GÜ=Recitation Section (small), PBL=Project-/problem-based Learning, PR=Practical Course, HÜ=Recitation Section (large)
[6]DE=German, EN=English, DE/EN=German and English
[7]SWS=Contact hours