Exclosure to Subject Specific Regulations
from 09.03.2022
for Bachelor-Programme
Chemie- und Bioingenieurwesen
at TUHH dual study program
Programme Director: Prof. Johannes Gescher
Total: 210 CP
Number of Specilisations to choose: 1

Course Scheme Bachelor Chemical and Bioprocess Engineering (CBBS) dual study program

Consolidated Version
for Study Cohort: WiSe22/23
en_head_sda
and Approval of Chair from:
06.07.2022
In Force on: 01.10.2022
Out of Force on: 30.09.2023

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: 180 LP Optional Courses: 0 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 das Chemie- und Bioingenieurwesen / Introduction to Chemical and Bioengineering	DE	Prof. Gescher	SD-V	C	CM	3	Y	SA			
	1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL	Y	ÜA	10
	1	Praxismodul 1 im dualen Bachelor / Practical module 1 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
	1	Technische Mechanik I (Stereostatik) / Engineering Mechanics I (Stereostatics)	DE	Prof. Kriegesmann	M-24	C	CM	6	Y	KL			
	1-2	Biologische und Biochemische Grundlagen / Biological and Biochemical Fundamentals	DE	Prof. Gescher	V-7	C	CM	6	Y	KL	Y	RE	0
	2	Grundlagen des Technischen Zeichnens / Fundamentals of Technical Drawing	DE	Dr. Hoffmann	V-5	C	CM	3	Y	KL	N	ÜA	5
	2	Mathematik II / Mathematics II	DE	Prof. Taraz	E-10	C	CM	8	Y	KL	Y	ÜA	10
	2	Organische Chemie / Organic Chemistry	DE	Prof. Holl	0-UNIHH	C	CM	6	Y	KL	Y	FFST	0
	2	Praxismodul 2 im dualen Bachelor / Practical module 2 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
	2	Technische Mechanik II (Elastostatik) / Engineering Mechanics II (Elastostatics)	DE	Prof. Cyron	M-15	C	CM	6	Y	KL			
	2	Technische Thermodynamik I / Technical Thermodynamics I	DE	Prof. Dr. Speerforck	M-21	C	CM	6	Y	KL			
	3	Bioprozesstechnik I / Bioprocess Technology I	DE	Prof. Liese	V-6	C	CM	6	Y	KL			

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	3	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH-M	C	CM	8	Y	KL			
	3	Messtechnik für Chemie- und Bioingenieurwesen / Measurement Technology for Chemical and Bioprocess Engineering	DE	Prof. Penn	V-10	C	CM	6	Y	KL	N	ÜA	20
	3	Praxismodul 3 im dualen Bachelor / Practical module 3 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
	3	Technische Thermodynamik II / Technical Thermodynamics II	DE	Prof. Dr. Speerforck	M-21	C	CM	6	Y	KL			
	3-4	Chemische Reaktionstechnik / Chemical Reaction Engineering	DE / EN	Prof. Horn	V-2	C	CM	6	Y	KL	Y	FFST	0
	4	Grundlagen der Strömungsmechanik / Fundamentals of Fluid Mechanics	DE	Prof. Schlüter	V-5	C	CM	6	Y	KL	N	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
	4	Phasengleichgewichtsthermodynamik / Phase Equilibria Thermodynamics	DE	Prof. Smirnova	V-8	C	CM	6	Y	KL			
	4	Praxismodul 4 im dualen Bachelor / Practical module 4 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
	5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Werner	E-14	C	CM	6	Y	KL			
	5	Ökonomische und ökologische Projektbewertung / Economic and environmental project assessment	DE / EN	Prof. Kaltschmitt	V-9	C	CM	6	Y	KL			
	5	Praxismodul 5 im dualen Bachelor / Practical module 5 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
	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			
	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	Prozess- und Anlagentechnik I / Process and Plant Engineering I	DE	Prof. Skiborowski	V-4	C	CM	6	Y	KL	Y	FFST	10
	1-6	Theorie-Praxis-Verzahnung im dualen Bachelor / Linking theory and practice (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
Specialisation Bio Engineering Compulsory Courses: 15 LP Optional Courses: 3 LP													
	4	Molekularbiologische Grundlagen / Fundamentals in Molecular Biology	DE	Prof. Gescher	V-7	C	CM	6	Y	KL	Y	FFST	10

	Module							Examination			Course Work		
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	5	Bioprozesstechnik II / Bioprocess Technology II	EN	Prof. Pörtner	V-1	C	CM	6	Y	KL			
	5	Vertiefungspraktikum Bioingenieurwesen / Advanced Practical Course in Bioengineering	DE	Prof. Gescher	V-7	C	CM	3	Y	FFA			
	5	Werkstofftechnik / Material Engineering	DE	Dr. Hoffmann	V-5	EC	CM	3	Y	KL			
	6	Bioinformatik / Bioinformatics	DE	Prof. Gescher	V-7	EC	CM	3	Y	FFA			
	6	Praxis in der Verfahrenstechnik / Practice of Process Engineering	DE / EN	Prof. Smirnova	SD-V	EC	CM	3	N	FFA			
	6	Regulatorische Aspekte bei biologischen Arbeitsstoffen / Regulatory aspects of biological agents	DE	Dr. Möller	V-1	EC	CM	3	Y	KL			
Specialisation Chemical Engineering Compulsory Courses: 15 LP Optional Courses: 3 LP													
	4	Regenerative Energien / Renewable Energies	DE	Prof. Kaltschmitt	V-9	C	CM	6	Y	KL			
	5	Konstruktion und Apparatebau / Construction and Apparatus Engineering	DE	Dr. Hoffmann	V-5	C	CM	6	Y	KL	N	ÜA	5
	5	Werkstofftechnik / Material Engineering	DE	Dr. Hoffmann	V-5	C	CM	3	Y	KL			
	6	Grundlagen der Chemischen Kinetik / Fundamentals of Chemical Kinetics	DE	Prof. Horn	V-2	EC	CM	3	Y	KL			
	6	Praxis in der Verfahrenstechnik / Practice of Process Engineering	DE / EN	Prof. Smirnova	SD-V	EC	CM	3	N	FFA			
Thesis Compulsory Courses: 12 LP Optional Courses: 0 LP													
	6	Bachelorarbeit im dualen Studium / Bachelor thesis (dual study program)		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, FFST=Subject theoretical and practical work, FFA=Subject theoretical and practical work, RE=Presentation, ÜA=Excercises, AB=Thesis, TE=Attestation
[4]CP=Credit Points
[5]VL=Lecture, SE=Seminar, GÜ=Recitation Section (small), PBL=Project-/problem-based Learning, PR=Practical Course, PS=Project Seminar, HÜ=Recitation Section (large)
[6]DE=German, EN=English, DE/EN=German and English
[7]SWS=Contact hours