

Exclosure to Subject Specific Regulations from
 25.07.2018
 for Bachelor-Programme Mechatronik
 at TUHH
 Programme Director: Prof. Uwe Weltin
 Total: 180 CP
 Number of Specilisations to choose: 0



Course Scheme Bachelor Mechatronics (MECBS)

Consolidated Version
 for Study Cohort: WiSe18/19
 en_head_sda
 and Approval of Chair from: 24.04.2019
 Replaces Version from: 25.07.2018
 In Force on: 01.10.2019
 Out of Force on: 31.03.2023

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

Re com. Term	Module Name (German / English)	Module					Exami nation			Course Work			
		Language	Module Responsibility	Institute	C/EC (1)	CM/ OM (2)	CP (4)	Grade	Exami nation Form(3)	Compulsory	Course Work Type	Bonus (in %)	
Core qualification Compulsory Courses: 168 LP Optional Courses: 0 LP													
1	Elektrotechnik I: Gleichstromnetzwerke und elektromagnetische Felder / Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	DE	Prof. Kasper	E-7	C	CM	6	Y	KL	N	ÜA	10	
1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL				
1	Mechanik I (Stereostatik) / Mechanics I (Statics)	DE	Prof. Seifried	M-13	C	CM	6	Y	KL	N	MT	20	
1	Prozedurale Programmierung / Procedural Programming	DE	Prof. Rump	E-19	C	CM	6	Y	KL				
1-2	Grundlagen der Werkstoffwissenschaften / Fundamentals of Materials Science	DE	Prof. Weißmüller	M-22	C	CM	6	Y	KL				
2	Elektrotechnik II: Wechselstromnetzwerke und grundlegende Bauelemente / Electrical Engineering II: Alternating Current Networks and Basic Devices	DE	Prof. Becker	E-6	C	CM	6	Y	KL	N	MT	10	
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	Mechanik II: Elastostatik / Mechanics II: Mechanics of Materials	DE	Prof. Cyron	M-15	C	CM	6	Y	KL				
3	Elektrotechnik III: Netzwerktheorie und Transienten / Electrical Engineering III: Circuit Theory and Transients	DE	Prof. Jacob	E-3	C	CM	6	Y	KL				
3	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH	C	CM	8	Y	KL				
3	Mechanik III (Hydrostatik, Kinematik, Kinetik I) / Mechanics III (Hydrostatics, Kinematics, Kinetics I)	DE	Prof. Seifried	M-13	C	CM	6	Y	KL	N	MT	20	
3	Technische Informatik / Computer Engineering	DE	Prof. Falk	E-13	C	CM	6	Y	KL	Y	ÜA	10	
3-4	Fertigungstechnik / Production Engineering	DE	Prof. Hintze	M-18	C	CM	6	Y	KL				

		Module					Examination			Course Work		
Re com. Term	Module Name (German / English)	Language	Module Responsibility	Institute	C/EC (1)	CM/OM (2)	CP (4)	Grade	Examination Form(3)	Compulsory	Course Work Type	Bonus (in %)
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	Mathematik IV / Mathematics IV	DE	Prof. Taraz	0-UNIHH	C	CM	6	Y	KL			
4	Mechanik IV (Kinetik II, Schwingungen, Analytische Mechanik, Mehrkörpersysteme) / Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems)	DE	Prof. Seifried	M-13	C	CM	6	Y	KL	N	MT	20
4	Signale und Systeme / Signals and Systems	DE / EN	Prof. Bauch	E-8	C	CM	6	Y	KL			
4	Technische Thermodynamik I / Technical Thermodynamics I	DE	Prof. Schmitz	M-21	C	CM	6	Y	KL			
5	Grundlagen der Betriebswirtschaftslehre / Foundations of Management	DE	Prof. Ihl	W-11	C	CM	6	Y	FFA			
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Werner	E-14	C	CM	6	Y	KL			
5	Messtechnik für Maschinenbau- und Verfahreningenieure / Measurement Technology for Mechanical and Process Engineers	DE	NN	M-4	C	CM	6	Y	KL	Y	FFST	0
5	Simulation und Entwurf mechatronischer Systeme / Simulation and Design of Mechatronic Systems	DE	Prof. Weltin	M-24	C	CM	6	Y	KL			
5	Technische Thermodynamik II / Technical Thermodynamics II	DE	Prof. Schmitz	M-21	C	CM	6	Y	KL			
6	Elektrische Maschinen und Antriebe / Electrical Machines and Actuators	DE	Prof. Kern	M-4	C	CM	6	Y	KL			
6	Halbleiterschaltungstechnik / Semiconductor Circuit Design	DE	Prof. Kuhl	E-9	C	CM	6	Y	KL			
1-6	Nichttechnische Ergänzungskurse im Bachelor / Nontechnical Complementary Courses for Bachelors	DE / EN	Richter	0-TUHH	C	OM	6	Selection out of seperately 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:

¹C=Compulsory, EC=Elective Compulsory

²CM=Compulsory Defined Module, OM=Optional Defined Module

³KL=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=Exercices, AB=Thesis

⁴CP=Credit Points

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

⁶DE=German, EN=English, DE/EN=German and English

⁷SWS=Contact hours