

Exclosure to Subject Specific Regulations from 25.07.2018  
 for Bachelor-Programme Elektrotechnik  
 at TUHH  
 Programme Director: Prof. Christian Becker  
 Total: 180 CP  
 Number of Specialisations to choose: 0



## Course Scheme Bachelor Electrical Engineering (ETBS)

Consolidated Version  
 for Study Cohort: WiSe 16/17  
 according to Decision of Academic Senate:  
 25.07.2018  
 and Approval of Chair from: 22.08.2018  
 Replaces Version from: 26.04.2017  
 In Force on: 01.10.2018  
 Out of Force on: 31.03.2021

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

Module							Examination		
Re com. Term	Module Name (German / English)	Language	Module Responsibility	Institute	C/EC (1)	CM/OM (2)	CP (4)	Grade	Examination Form(3)
<b>Core qualification</b> Compulsory Courses: 150 LP Optional Courses: 18 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
1	Grundlagen der Betriebswirtschaftslehre / Foundations of Management	DE	Prof. Ihl	W-11	C	CM	6	Y	FFA
1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL
1	Prozedurale Programmierung / Procedural Programming	DE	Prof. Rump	E-19	C	CM	6	Y	KL
1-2	Physik für Ingenieure / Physics for Engineers	DE / EN	Prof. Eich	E-12	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
2	Mathematik II / Mathematics II	DE	Prof. Taraz	E-10	C	CM	8	Y	KL
2	Objektorientierte Programmierung, Algorithmen und Datenstrukturen / Objectoriented Programming, Algorithms and Data Structures	DE	Prof. Grigat	E-2	C	CM	6	Y	KL
2	Werkstoffe der Elektrotechnik / Materials in Electrical Engineering	DE	Prof. Eich	E-12	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

Re com. Term	Module						Exami nation		
	Module Name (German / English)	Language	Module Responsibility	Institute	C/EC (1)	CM/ OM (2)	CP (4)	Grade	Exami nation Form(3)
3	Messtechnik und Messdatenverarbeitung / Measurements: Methods and Data Processing	DE	Prof. Schlaefer	E-1	C	CM	6	Y	KL
3	Technische Informatik / Computer Engineering	DE	Prof. Falk	E-13	C	CM	6	Y	KL
4	Elektrotechnik IV: Leitungen und Forschungsseminar / Electrical Engineering IV: Transmission Lines and Research Seminar	DE / EN	Prof. Jacob	E-3	C	CM	6	Y	KL
4	Elektrotechnisches Projektpraktikum / Electrical Engineering Project Laboratory	DE	Prof. Becker	E-6	C	CM	6	N	FFA
4	Mathematik IV / Mathematics IV	DE	Prof. Taraz	0-UNIHH	C	CM	6	Y	KL
4	Signale und Systeme / Signals and Systems	DE / EN	Prof. Bauch	E-8	C	CM	6	Y	KL
4	Theoretische Elektrotechnik I: Zeitunabhängige Felder / Theoretical Electrical Engineering I: Time-Independent Fields	DE	Prof. Schuster	E-18	C	CM	6	Y	KL
5	Einführung in die Nachrichtentechnik und ihre stochastischen Methoden / Introduction to Communications and Random Processes	DE / EN	Prof. Bauch	E-8	C	CM	6	Y	KL
5	Elektronische Bauelemente / Electronic Devices	DE	Prof. Trieu	E-7	C	CM	6	Y	KL
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Werner	E-14	C	CM	6	Y	KL
5	Theoretische Elektrotechnik II: Zeitabhängige Felder / Theoretical Electrical Engineering II: Time-Dependent Fields	DE	Prof. Schuster	E-18	C	CM	6	Y	KL
5	Elektrische Energiesysteme I / Electrical Power Systems I	DE	Prof. Becker	E-6	EC	CM	6	Y	KL
5	Numerische Mathematik I / Numerical Mathematics I	DE / EN	Prof. Le Borne	E-10	EC	CM	6	Y	KL
5	Quantenmechanik für Studierende der Ingenieurwissenschaften / Quantum Mechanics for Engineers	DE	Prof. Hansen	0-UNIHH	EC	CM	6	Y	KL
5	Rechnernetze und Internet-Sicherheit / Computernetworks and Internet Security	EN	Prof. Timm-Giel	E-4	EC	CM	6	Y	KL
5	Technische Mechanik I / Engineering Mechanics I	DE	Prof. Weltin	M-24	EC	CM	6	Y	KL
6	Halbleiterschaltungstechnik / Semiconductor Circuit Design	DE	Prof. Kuhl	E-9	C	CM	6	Y	KL
6	Einführung in Medizintechnische Systeme / Introduction into Medical Technology and Systems	DE	Prof. Schlaefer	E-1	EC	CM	6	Y	KL
6	Eingebettete Systeme / Embedded Systems	EN	Prof. Falk	E-13	EC	CM	6	Y	KL
6	Elektrische Maschinen / Electrical Machines	DE	Prof. Do	M-4	EC	CM	6	Y	KL
6	Technische Mechanik II / Engineering Mechanics II	DE	Prof. Weltin	M-24	EC	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 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>PA=Project, KL=Written exam, SA=Written elaboration, FFA=Subject theoretical and practical work, FFST=Subject theoretical and practical work, RE=Presentation, AB=Thesis

<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, PS=Project Seminar, HÜ=Recitation Section (large)

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

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