

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 Specilisations to choose: 0



Course Scheme Bachelor Electrical Engineering (ETBS)

Version
 for Study Cohort: WiSe19/20
 en_head_sda
 and Approval of Chair from:
 Replaces Version from: 18.03.2020
 In Force on: 01.10.2021
 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 %) |
| Core qualification Compulsory Courses: 144 LP Optional Courses: 24 LP | | | | | | | | | | | | |
| 1 | Elektrotechnik I: Gleichstromnetzwerke und elektromagnetische Felder / Electrical Engineering I: Direct Current Networks and Electromagnetic Fields | DE | Prof. Kuhl | E-9 | C | CM | 6 | Y | KL | N | ÜA | 10 |
| 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 | Y | FFST | 0 |
| 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 | 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. Kölpin | E-3 | C | CM | 6 | Y | KL | | | |
| 3 | Mathematik III / Mathematics III | DE | Prof. Taraz | 0-UNIHH | C | CM | 8 | Y | KL | | | |
| 3 | Messtechnik und Messdatenverarbeitung / Measurements: Methods and Data Processing | DE | Prof. Schlaefer | E-1 | C | CM | 6 | Y | KL | Y | ÜA | 10 |
| 3 | Technische Informatik / Computer Engineering | DE / EN | Prof. Falk | E-13 | C | CM | 6 | Y | KL | Y | ÜA | 10 |

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| 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 | | | |
| 4 | Einführung in Wellenleiter, Antennen und Elektromagnetische Verträglichkeit / Introduction to Waveguides, Antennas, and Electromagnetic Compatibility | DE / EN | Prof. Schuster | E-18 | EC | CM | 6 | Y | MP | | | |
| 4 | Elektrische Maschinen und Antriebe / Electrical Machines and Actuators | DE | Prof. Kern | M-4 | EC | CM | 6 | Y | FFA | | | |
| 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 | Y | FFST | 10 |
| 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: Einführung in elektrische Energiesysteme / Electrical Power Systems I: Introduction to Electrical Power Systems | DE | Prof. Becker | E-6 | EC | CM | 6 | Y | KL | | | |
| 5 | Mechanik I (Stereostatik) / Mechanics I (Statics) | DE | Prof. Seifried | M-13 | EC | CM | 6 | Y | KL | | | |
| 5 | Numerische Mathematik I / Numerical Mathematics I | 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 | MP | N | SA | 0 |
| 5 | Rechnernetze und Internet-Sicherheit / Computernetworks and Internet Security | EN | Prof. Timm-Giel | E-4 | 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 | Y | SA | 10 |
| | | | | | | | | | | Y | RE | 10 |
| 6 | Eingebettete Systeme / Embedded Systems | EN | Prof. Falk | E-13 | EC | CM | 6 | Y | KL | Y | FFST | 10 |
| 6 | Mechanik II: Elastostatik / Mechanics II: Mechanics of Materials | DE | Prof. Cyron | M-15 | EC | CM | 6 | Y | KL | | | |
| 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 | | | | |

| Module | | | | | | | Examination | | | Course Work | | |
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| 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, GÜ=Recitation Section (small), PBL=Project-/problem-based Learning, PR=Practical Course, PS=Project Seminar, HÜ=Recitation Section (large)

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

⁷SWS=Contact hours