

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 Specialisations to choose: 0



Course Scheme Bachelor Energy and Environmental Engineering (EUTBS)

Consolidated Version
for Study Cohort: WiSe17/18
en_head_sda
and Approval of Chair from:
24.04.2019
Replaces Version from: 25.07.2018
In Force on: 01.10.2018
Out of Force on: 31.03.2022

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 | ModuleResponsability | Institute | C/EC (1) | CM/OM (2) | CP (4) | Grade | Examination Form(3) | |
| Core qualification Compulsory Courses: 168 LP Optional Courses: 0 LP | | | | | | | | | | |
| 1 | Allgemeine und Anorganische Chemie / General and Inorganic Chemistry | DE | Prof. Luinstra | 0-UNIHH | C | CM | 6 | Y | KL | |
| 1 | Einführung in die Energie- und Umwelttechnik / Introduction into Energy and Environmental Engineering | DE / EN | Prof. Kather | M-5 | C | CM | 6 | Y | KL | |
| 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 | |
| 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 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 | C | CM | 8 | Y | KL | |
| 3 | Technische Thermodynamik II / Technical Thermodynamics II | DE | Prof. Schmitz | 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 | |
| 3-4 | Konstruktionslehre Gestalten / Mechanical Engineering: Design | DE | Prof. Krause | M-17 | C | CM | 6 | Y | KL | |
| 4 | Elektrische Maschinen / Electrical Machines | DE | Prof. Kern | M-4 | C | CM | 6 | Y | KL | |
| 4 | Grundlagen der Betriebswirtschaftslehre / Foundations of Management | DE | Prof. Ihl | W-11 | C | CM | 6 | Y | FFA | |
| 4 | Grundlagen der Strömungsmechanik / Fundamentals of Fluid Mechanics | DE | Prof. Schlüter | V-5 | C | CM | 6 | Y | KL | |
| 4 | Informatik für Verfahreningenieure / Informatics for Process Engineers | DE | Dr. Venzke | E-17 | C | CM | 6 | Y | KL | |
| 5 | Grundlagen der Regelungstechnik / Introduction to Control Systems | DE | Prof. Werner | E-14 | C | CM | 6 | Y | KL | |

| Module | | | | | | | Examination | | |
|--|---|----------|----------------------|-----------|----------|-----------|-------------|--|---------------------|
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| 5 | Messtechnik für Maschinenbau- und Verfahreningenieure / Measurement Technology for Mechanical and Process Engineers | DE | NN | M-4 | C | CM | 6 | Y | KL |
| 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 |
| 5 | Wärme- und Stoffübertragung / Heat and Mass Transfer | DE | Prof. Kather | M-5 | C | CM | 6 | Y | KL |
| 5-6 | Umwelttechnik / Environmental Technology | DE | Prof. Kaltschmitt | V-9 | C | CM | 3 | Y | KL |
| 6 | Partikeltechnologie und Feststoffverfahrenstechnik I / Particle Technology and Solids Process Engineering | DE / EN | Prof. Heinrich | V-3 | C | CM | 6 | Y | KL |
| 6 | Regenerative Energiesysteme und Energiewirtschaft / Renewables and Energy Systems | DE / EN | Prof. Kaltschmitt | V-9 | C | CM | 6 | Y | KL |
| 6 | Umweltbewertung / Environmental Technology | DE / EN | Prof. Kaltschmitt | V-9 | C | CM | 3 | 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 | |
| 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,

⁴E=Attestation

⁴CP=Credit Points

⁵VL=Lecture, SE=Seminar, GÜ=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