

Exclosure to Subject Specific Regulations  
 from 03.08.2018  
 for Bachelor-Programme Schiffbau  
 at TUHH  
 Programme Director: Prof. Christopher  
 Friedrich Wirz  
 Total: 180 CP  
 Number of Specilisations to choose: 0



## Course Scheme Bachelor Naval Architecture (SBBS)

Consolidated Version  
 for Study Cohort: WiSe22/23  
 en\_head\_sda  
 and Approval of Chair from:  
 12.04.2023  
 Replaces Version from: 20.04.2022  
 In Force on: 01.10.2023  
 Out of Force on: 31.03.2027

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 %) |
| <b>Core Qualification</b> Compulsory Courses: 168 LP Optional Courses: 0 LP |   |          |                      |           |          |           |             |       |                     |             |                  |              |
| 1   | Grundlagen der Elektrotechnik / Basics of Electrical Engineering  | DE       | Prof. Kern           | M-4       | C        | CM        | 6           | Y     | KL                  |             |                  |              |
| 1   | Informatik für Ingenieure - Einführung & Überblick / Computer Science for Engineers - Introduction and Overview | DE / EN  | Prof. Fey            | E-13      | C        | CM        | 6           | Y     | KL                  | N           | TE               | 10           |
| 1   | Mathematik I / Mathematics I  | DE       | Prof. Taraz          | E-10      | C        | CM        | 8           | Y     | KL                  | Y           | ÜA               | 10           |
| 1   | Technische Mechanik I (Stereostatik) / Engineering Mechanics I (Stereostatics)                                  | DE       | Prof. Kriegesmann    | M-24      | 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   | 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                  | Y           | ÜA               | 10           |
| 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. Speerforck     | M-21      | C        | CM        | 6           | Y     | KL                  |             |                  |              |
| 3   | Grundlagen der Betriebswirtschaftslehre / Foundations of Management   | DE       | Prof. Ihl            | W-11      | C        | CM        | 6           | Y     | FFA                 |             |                  |              |
| 3   | Mathematik III / Mathematics III  | DE       | Prof. Lindner        | 0-UNIHH-M | C        | CM        | 8           | Y     | KL                  |             |                  |              |
| 3   | Technische Mechanik III (Dynamik) / Engineering Mechanics III (Dynamics)  | DE       | Prof. Seifried       | M-13      | C        | CM        | 6           | Y     | KL                  | N           | MT               | 20           |
| 3-4   | Hydrostatik und Liniennriss / Hydrostatics and Body Plan  | DE       | Prof. Krüger         | M-6       | C        | CM        | 6           | Y     | KL                  |             |                  |              |

|  |  | Module   |                      |           |          |           | Examination |  |                     | Course Work |                  |              |
|--|--|----------|----------------------|-----------|----------|-----------|-------------|--|---------------------|-------------|------------------|--------------|
| Re-com. Term   | 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 %) |
| 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            |
| 3-4  | Vertiefte Konstruktionslehre / Advanced Mechanical Engineering Design  | DE       | Prof. Krause         | M-17      | C        | CM        | 6           | Y  | KL                  |             |                  |              |
| 4  | Mathematik IV / Mathematics IV   | DE       | Prof. Lindner        | 0-UNIHH-M | C        | CM        | 6           | Y  | KL                  |             |                  |              |
| 4  | Numerische Mechanik / Computational Mechanics  | DE       | Prof. Seifried       | M-13      | C        | CM        | 6           | Y  | KL                  | N           | MT               | 15           |
|  |  |          |                      |           |          |           |             |  |                     | N           | ÜA               | 5            |
| 4  | Strömungsmechanik / Fluid Dynamics   | DE / EN  | Prof. Rung           | M-8       | C        | CM        | 6           | Y  | KL                  |             |                  |              |
| 5  | Grundlagen der Konstruktion und Strukturanalyse von Schiffen / Fundamentals of Ship Structural Design and Analysis | DE       | Prof. Ehlers         | M-10      | C        | CM        | 8           | Y  | KL                  |             |                  |              |
| 5  | Numerische Methoden der Thermofluidodynamik I / Computational Fluid Dynamics I                                     | DE       | Prof. Rung           | M-8       | C        | CM        | 6           | Y  | KL                  |             |                  |              |
| 5  | Schiffs-Antriebstechnik / Marine Propulsion  | DE       | Prof. Wirz           | M-12      | C        | CM        | 6           | Y  | KL                  |             |                  |              |
| 5  | Widerstand und Propulsion / Resistance and Propulsion  | DE       | Prof. Krüger         | M-6       | C        | CM        | 6           | Y  | KL                  |             |                  |              |
| 5-6  | Konstruktion und Fertigung von Schiffen / Structural Design and Construction of Ships                              | DE       | Prof. Ehlers         | M-10      | C        | CM        | 9           | Y  | KL                  |             |                  |              |
| 5-6  | Stochastik und Schiffsdynamik / Stochastics and Ship Dynamics  | DE       | Prof. Abdel-Maksoud  | M-8       | C        | CM        | 7           | Y  | KL                  |             |                  |              |
| 6  | Entwerfen von Schiffen / Ship Design   | DE       | Prof. Krüger         | M-6       | C        | 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 |                     |             |                  |              |
| <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>MT=Midterm, KL=Written exam, SA=Written elaboration, FFA=Subject theoretical and practical work, MP=Oral exam, RE=Presentation, AB=Thesis, ÜA=Excercises, TE=Attestation

<sup>4</sup>CP=Credit Points

<sup>5</sup>VL=Lecture, SE=Seminar, GÜ=Recitation Section (small), PBL=Project-/problem-based Learning, PS=Project Seminar, HÜ=Recitation Section (large), IV=Integrated Lecture

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

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