

## Supplement to Course Scheme Master Energy Systems (ENTMS)

Consolidated Version  
for Study Cohort: WiSe23/24  
gem. SDA-Beschluss vom: 15.04.2020

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>Technical Complementary Course Core Studies</b> Compulsory Courses: 0 LP Optional Courses: 6 LP |                                                                              |          |                      |           |          |           |             |       |                     |             |                  |              |
| WT                                                                                                 | Kolbenmaschinen / Reciprocating Machinery                                    | DE       | Prof. Wirz           | M-12      | EC       | CM        | 6           | Y     | KL                  |             |                  |              |
| WT                                                                                                 | Numerische Methoden der Thermofluidynamik I / Computational Fluid Dynamics I | DE       | Prof. Rung           | M-8       | EC       | CM        | 6           | Y     | KL                  |             |                  |              |
| WT                                                                                                 | Technische Thermodynamik II / Technical Thermodynamics II                    | DE       | Prof. Speerforck     | M-21      | EC       | CM        | 6           | Y     | KL                  |             |                  |              |
| WT                                                                                                 | Vertiefte Konstruktionslehre / Advanced Mechanical Engineering Design        | DE       | Prof. Krause         | M-17      | EC       | CM        | 6           | Y     | KL                  |             |                  |              |
| WT                                                                                                 | Wärme kraftwerke / Gas and Steam Power Plants                                | DE       | NN                   | M-5       | EC       | CM        | 6           | Y     | KL                  | N           | ÜA               | 5            |
|                                                                                                    |                                                                              |          |                      |           |          |           |             |       |                     | N           | GD               | 5            |
|                                                                                                    |                                                                              |          |                      |           |          |           |             |       |                     | N           | SA               | 5            |
|                                                                                                    |                                                                              |          |                      |           |          |           |             |       |                     | N           | RE               | 5            |
| WT                                                                                                 | Wärmeübertragung / Heat Transfer                                             | DE       | Dr. Moschallski      | M-21      | EC       | CM        | 6           | Y     | KL                  |             |                  |              |
| ST                                                                                                 | Numerische Mechanik / Computational Mechanics                                | DE       | Prof. Seifried       | M-13      | EC       | CM        | 6           | Y     | KL                  | N           | MT               | 15           |
|                                                                                                    |                                                                              |          |                      |           |          |           |             |       |                     | N           | ÜA               | 5            |

### 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, RE=Presentation, GD=Group discussion, ÜA=Exercices

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

<sup>5</sup>VL=Lecture, GÜ=Recitation Section (small), 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