

| MB-IP                                                                                                                                       |                                                          | Gesamt je Modul |     | 1. Semester |     |       | 2. Semester |     |       | 3. Semester |     |       | 4. Semester |     |       | 5. Semester |     |       | 6. Semester |     |       | 7. Semester |     |       | Gewichtung mit Faktor |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------|-----|-------------|-----|-------|-------------|-----|-------|-------------|-----|-------|-------------|-----|-------|-------------|-----|-------|-------------|-----|-------|-------------|-----|-------|-----------------------|
| Modulname                                                                                                                                   | Veranstaltung                                            | CPs             | SWS | CPs         | SWS | Prüf. | CPs         | SWS | Prüf. | CPs         | SWS | Prüf. | CPs         | SWS | Prüf. | CPs         | SWS | Prüf. | CPs         | SWS | Prüf. | CPs         | SWS | Prüf. |                       |
| Naturwissenschaftliche Grundlagen                                                                                                           |                                                          |                 |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Lineare Algebra                                                                                                                             | Lineare Algebra                                          | 3               | 3   | 3           | 3   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 3     |                       |
| Mathematik 1                                                                                                                                | Mathematik 1                                             | 6               | 5   | 6           | 5   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 6     |                       |
| Mathematik 2                                                                                                                                | Mathematik 2                                             | 5               | 4   |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
| Mathematik 3                                                                                                                                | Mathematik 3                                             | 5               | 4   |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
| Angewandte Mathematik                                                                                                                       | Angewandte Mathematik                                    | 5               | 4   |             |     |       |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     | 5     |                       |
| Experimentalphysik                                                                                                                          | Experimentalphysik Vorlesung                             | 4               | 3   | 4           | 3   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
|                                                                                                                                             | Experimentalphysik Labor                                 | 1               | 1   |             |     |       | 1           | 1   | SL    |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Chemie                                                                                                                                      | Chemie Vorlesung                                         | 3               | 3   | 3           | 3   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 4     |                       |
|                                                                                                                                             | Chemie Labor                                             | 1               | 1   |             |     |       | 1           | 1   | SL    |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Ingenieurwissenschaftliche Grundlagen                                                                                                       |                                                          |                 |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Statik                                                                                                                                      | Statik                                                   | 5               | 4   | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
| Festigkeitslehre                                                                                                                            | Festigkeitslehre                                         | 7               | 6   |             |     |       | 7           | 6   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 7     |                       |
| Kinematik und Kinetik                                                                                                                       | Kinematik und Kinetik                                    | 5               | 4   |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
| Maschinendynamik                                                                                                                            | Maschinendynamik                                         | 5               | 4   |             |     |       |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     | 5     |                       |
| Strömungslehre                                                                                                                              | Strömungslehre                                           | 5               | 4   |             |     |       |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     | 5     |                       |
| Werkstoffkunde                                                                                                                              | Werkstoffkunde Vorlesung                                 | 5               | 4   |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 6     |                       |
|                                                                                                                                             | Werkstoffkunde Labor                                     | 1               | 1   |             |     |       |             |     |       | 1           | 1   | SL    |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Konstruktionswerkstoffe                                                                                                                     | Konstruktionswerkstoffe                                  | 5               | 4   |             |     |       |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     | 5     |                       |
| Einführung in die Elektrotechnik                                                                                                            | Einführung in die Elektrotechnik                         | 5               | 4   |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
| Thermodynamik                                                                                                                               | Thermodynamik                                            | 5               | 4   |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
| Grundlagen der Programmierung                                                                                                               | Grundlagen der Programmierung                            | 5               | 4   |             |     |       |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
| Messen mechanischer Größen                                                                                                                  | Messen mechan. Größen Vorlesung                          | 3               | 2   |             |     |       |             |     |       |             |     |       | 3           | 2   | P     |             |     |       |             |     |       |             |     | 5     |                       |
|                                                                                                                                             | Messen mechan. Größen Labor                              | 2               | 2   |             |     |       |             |     |       |             |     |       |             |     |       | 2           | 2   | SL    |             |     |       |             |     |       |                       |
| Regelungstechnik                                                                                                                            | Regelungstechnik 1 Vorlesung                             | 5               | 4   |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       | 5           | 4   | P     |             |     | 6     |                       |
|                                                                                                                                             | Regelungstechnik 1 Labor                                 | 1               | 1   |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 1     | 1           | SL  |       |             |     |       |                       |
| Ingenieur anwendungen                                                                                                                       |                                                          |                 |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| CAD-Grundlagen                                                                                                                              | CAD-Grundlagen                                           | 4               | 4   | 4           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 4     |                       |
| Maschinenelemente 1                                                                                                                         | Maschinenelemente 1                                      | 2               | 2   | 2           | 2   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 3     |                       |
|                                                                                                                                             |                                                          | 1               |     | 1           |     | SL    |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Maschinenelemente 2                                                                                                                         | Maschinenelemente 2                                      | 4               | 4   |             |     |       | 4           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
|                                                                                                                                             |                                                          | 1               |     |             |     |       | 1           |     | SL    |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Maschinenelemente 3 /<br>Konstruktionsmethodik                                                                                              | Maschinenelemente 3 /<br>Konstruktionsmethodik Vorlesung | 2               | 4   |             |     |       |             |     |       | 2           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
|                                                                                                                                             | Konstruktionsmethodik Hausarbeit                         | 1               |     |             |     |       |             |     |       | 1           |     | SL    |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Konstruktion                                                                                                                                | Konstruktion Vorlesung                                   | 2               |     |             |     |       |             |     |       |             |     |       | 2           |     | HA    |             |     |       |             |     |       |             |     | 7     |                       |
|                                                                                                                                             | Konstruktion Hausarbeit                                  | 3               | 3   |             |     |       |             |     |       |             |     |       | 3           | 3   | P     |             |     |       |             |     |       |             |     |       |                       |
| Mechanische Antriebstechnik                                                                                                                 | Mechanische Antriebstechnik                              | 4               |     |             |     |       |             |     |       |             |     |       |             |     |       | 4           | -   | HA    |             |     |       |             |     | 5     |                       |
|                                                                                                                                             |                                                          | 5               | 4   |             |     |       |             |     |       |             |     |       |             |     | 5     | 4           | P   |       |             |     |       |             |     |       |                       |
| Fachübergreifende Module                                                                                                                    |                                                          |                 |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Technisches Englisch                                                                                                                        | Technisches Englisch                                     | 2               | 2   | 2           | 2   |       |             |     | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 4     |                       |
|                                                                                                                                             | Technisches Englisch                                     | 2               | 2   |             |     |       | 2           | 2   |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Kostenrechnung                                                                                                                              | Kostenrechnung                                           | 5               | 4   |             |     |       | 5           | 4   | P     |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 5     |                       |
| Kommunikation und Moderation                                                                                                                | Kommunikation und Moderation                             | 1               | 2   |             |     |       |             |     |       |             |     |       |             |     |       | 1           | 2   | P     |             |     |       |             |     | 2     |                       |
|                                                                                                                                             |                                                          | 1               |     |             |     |       |             |     |       |             |     |       |             |     | 1     |             | SL~ |       |             |     |       |             |     |       |                       |
| Wahlpflichtmodul                                                                                                                            | Wahlpflichtmodul                                         | 5               | 5   |             |     |       |             |     |       |             |     |       |             |     |       | 3           | 3   | (x)   | 2           | 2   | (x)   |             |     | 5     |                       |
| SP Allgemeiner Maschinenbau                                                                                                                 |                                                          |                 |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| 15 ECTS können für SP-Fächer gem. § 8 FPO im Ausland erworben werden. Zusätzliche im Ausland erworbene ECTS können als WPF anerkannt werden |                                                          | 15              |     |             |     |       |             |     |       |             |     |       |             |     |       | 15          |     |       |             |     |       |             |     | 15    |                       |
| 15 ECTS als WPF's aus den Vertiefungen AM, PT, SIM oder VT                                                                                  |                                                          | 15              |     |             |     |       |             |     |       |             |     |       | 5           |     |       |             |     |       | 10          |     |       |             |     | 15    |                       |
| Projekt, Praxisphase, Bachelorarbeit                                                                                                        |                                                          |                 |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |                       |
| Maschinenbauliches Projekt                                                                                                                  | Einführung in Projektmanagement                          | 1               | 1   |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       | 1           | 1   | SL~   |             |     | 8     |                       |
|                                                                                                                                             | Maschinenbauliches Projekt                               | 7               | 1   |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       | 7           | -   | PA    |             |     |       |                       |
| Praktische Studienphase (Praxisprojekt)                                                                                                     | Praktische Studienphase (Praxisprojekt)                  | 15              |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 15    | -           | SL  | 15    |                       |
| Bachelorarbeit mit Kolloquium                                                                                                               | Bachelorarbeit                                           | 12              |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 12    | -           | P   | 15    |                       |
|                                                                                                                                             | Kolloquium                                               | 3               |     |             |     |       |             |     |       |             |     |       |             |     |       |             |     |       |             |     | 3     | -           |     |       |                       |
| Spaltensumme MB-IP gesamt                                                                                                                   |                                                          | 210             | 142 | 30          | 30  |       | 31          | 30  |       | 29          | 30  |       | 33          | 30  |       | 30          | 30  |       | 26          | 30  |       | 30          | 30  |       | 210                   |

P Prüfungsleistung  
SL Studienleistung  
PA Projektarbeit

