

## Supplement to Course Scheme Master Product Development, Materials and Production (PEPMS)

| Re com. Term                                       | Module Name (German)                         | Modul Name (English)                                  | Institute | C/EC (1) | CM/OM (2) | Grade | Examination Form(3) | CP (4) | Course Name (German)                                      | Course Name (English)                              | Course Form LV(5) | Language (6) | SWS (7) | Sem. LV |
|--|--|---|-----------|----------|-----------|-------|---------------------|--------|---|--|-------------------|--------------|---------|---------|
| <b>Technical Complementary Course Core Studies</b> |  |   |           |          |           |       |                     |        |   |  |                   |              |         |         |
| SoSe   | Integrierte Produktentwicklung und Leichtbau | Integrated Product Development and Lightweight Design | M-17      | EC       | CM        | Yes   | KI                  | 6      |   |  |                   |              |         |         |
|  |  |   |           |          |           |       |                     |        | CAE-Teamprojekt   | CAE-Team Project                                   | POL               | DE           | 2       | SoSe    |
|  |  |   |           |          |           |       |                     |        | Entwicklung von Leichtbau-Produkten                       | Development of Lightweight Design Products         | VL                | DE           | 2       | SoSe    |
|  |  |   |           |          |           |       |                     |        | Integrierte Produktentwicklung I                          | Integrated Product Development I                   | VL                | DE           | 2       | SoSe    |
| WiSe   | Materialwissenschaftliches Praktikum         | Material Science Laboratory                           | M-11      | EC       | CM        | No    | Ko                  | 6      |   |  |                   |              |         |         |
|  |  |   |           |          |           |       |                     |        | Begleitvorlesung zum Materialwissenschaftlichen Praktikum | Companion Lecture for Materials Science Laboratory | VL                | DE           | 2       | WiSe    |
|  |  |   |           |          |           |       |                     |        | Materialwissenschaftliches Praktikum                      | Material Science Laboratory                        | PR                | DE           | 4       | WiSe    |
| WiSe   | Produktionstechnologie                       | Production Technology                                 | M-18      | EC       | CM        | Yes   | KI                  | 6      |   |  |                   |              |         |         |
|  |  |   |           |          |           |       |                     |        | Grundlagen der Werkzeugmaschinen                          | Fundamentals of Machine Tools                      | VL                | DE           | 3       | WiSe    |
|  |  |   |           |          |           |       |                     |        | Umform- und Zerspantechnologie                            | Forming and Cutting Technology                     | VL                | DE           | 2       | WiSe    |
|  |  |   |           |          |           |       |                     |        | Umform- und Zerspantechnologie                            | Forming and Cutting Technology                     | HÜ                | DE           | 1       | WiSe    |

**Explanation:**

- <sup>1</sup>C=Compulsory, EC=Elective Compulsory
- <sup>2</sup>CM=Compulsory Defined Module, OM=Optional Defined Module
- <sup>3</sup>KI=Written exam, Ko=Colloquium
- <sup>4</sup>CP=Credit Points
- <sup>5</sup>VL=Lecture, POL=Problem-based Learning, PR=Laboratory Course, HÜ=Recitation Section (large)
- <sup>6</sup>DE=German, EN=English, DE/EN=German and English
- <sup>7</sup>SWS=Contact hours