

Course of Study Product Development, Materials and Production (Study Cohort w22)

Legend:			
Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan Q Master Product Development, Materials and Production (PEPMS)

Specialisation Product Development																									
1	Vibration Theory Vibration Theory IV 4					Practical Course Product Development, Materials and Production Practical Course Product Development, Materials and Production PR 6					Research Project Product Development, Materials and Production					Master Thesis									
2																									
3																									
4																									
5																									
6																									
7	Finite Elements Methods Finite Element Methods VL 2 Finite Element Methods HÜ 2					Systems Engineering Systems Engineering VL 3 Systems Engineering HÜ 1																			
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15	Methods of Integrated Product Development Integrated Product Development II VL 3 Integrated Product Development II PBL 2					High-Order FEM High-Order FEM VL 3 High-Order FEM HÜ 1					Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 2) Selection from a catalog														
16																									
17																									
18																									
19	Fluidics Fluidics VL 2 Fluidics HÜ 1 Fluidics PBL 1					Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1) Selection from a catalog																			
20																									
21																									
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25																									
26																									
27	Nonlinear Structural Analysis Nonlinear Structural Analysis VL 3 Nonlinear Structural Analysis GÜ 1					Structure and properties of fibre-polymer-composites Structure and properties of fibre-polymer-composites VL 2 Structure and properties of fibre-polymer-composites HÜ 1 Structure and properties of fibre-polymer-composites PBL 2																			
28																									
29																									
30																									
Business & Management (from catalogue) - 6LP																									
Non-technical Courses for Master (from catalogue) - 6LP																									

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

