

Course of Study Product Development, Materials and Production (Study Cohort w18)

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

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk										
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 Finite Element Methods	VL 2 HÜ 2	Systems Engineering Systems Engineering Systems Engineering	VL 3 HÜ 1														
8																		
9																		
10																		
11	Methods of Integrated Product Development Integrated Product Development II Integrated Product Development II	VL 3 PBL 2	High-Order FEM High-Order FEM High-Order FEM	VL 3 HÜ 1	Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 2) Selection from a catalog													
13																		
14																		
15																		
16																		
17																		
18	Fluidics Fluidics Fluidics Fluidics	VL 2 HÜ 1 PBL 1	Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1) Selection from a catalog															
19																		
20																		
21																		
22	Nonlinear Structural Analysis Nonlinear Structural Analysis Nonlinear Structural Analysis	VL 3 UE 1	Fibre-polymer-composites Design with fibre-polymer-composites Structure and properties of fibre-polymer-composites	VL 2 VL 2														
25																		
26																		
27																		
28																		
29																		
30																		
Business & Management (from catalogue) - 6LP																		
Nontechnical Elective Complementary 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.

