

Course of Study Product Development, Materials and Production (Study Cohort w19)

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				Semester 2		Semester 3		Semester 4	
		Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk
1	Vibration Theory								
2	Vibration Theory	IV	4	Practical Course Product Development, Materials and Production	PR	6			
3									
4									
5									
6									
7	Finite Elements Methods			Systems Engineering					
8	Finite Element Methods	VL	2	Systems Engineering	VL	3			
9	Finite Element Methods	HÜ	2	Systems Engineering	HÜ	1			
10									
11									
12									
13	Methods of Integrated Product Development			High-Order FEM					
14	Integrated Product Development II	VL	3	High-Order FEM	VL	3			
15	Integrated Product Development II	PBL	2	High-Order FEM	HÜ	1			
16									
17									
18									
19	Fluidics			Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1)					
20	Fluidics	VL	2	Selection from a catalog					
21	Fluidics	HÜ	1						
22	Fluidics	PBL	1						
23									
24									
25	Nonlinear Structural Analysis			Fibre-polymer-composites					
26	Nonlinear Structural Analysis	VL	3	Design with fibre-polymer-composites	VL	2			
27	Nonlinear Structural Analysis	GÜ	1	Structure and properties of fibre-polymer-composites	VL	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.

