

Course of Study Product Development, Materials and Production (Study Cohort w17)

Sample course plan P 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	VL	4	Practical Course Product Development, Materials and Production	FL	6	Research Project Product Development, Materials and Production			Master Thesis								
2													Vibration Theory	Practical Course Product Development, Materials and Production				
3																		
4																		
5																		
6																		
7	Finite Elements Methods	VL	2	Systems Engineering	VL	3												
8													Finite Element Methods	Systems Engineering				
9													Finite Element Methods	Systems Engineering				
10													HÜ	2	HÜ	1		
11																		
12																		
13	Methods of Integrated Product Development			High-Order FEM	VL	3	Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 2)	Selection from a catalog										
14									Integrated Product Development II				High-Order FEM					
15									Integrated Product Development II				High-Order FEM					
16									PBL				2	HÜ	1			
17																		
18																		
19	Fluidics	VL	2	Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1)	VL	3	Aircraft Cabin Systems	VL	3									
20													Fluidics	High-Order FEM	Aircraft Cabin Systems			
21													Fluidics	HÜ	1	Aircraft Cabin Systems	HÜ	1
22													Fluidics	PBL	1	Selection from a catalog		
23																		
24																		
25	Thermal Engineering																	
26													Thermal Engineering	VL	3			
27													Thermal Engineering	HÜ	1			
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.