Course of Study Product Development, Materials and Production (Study Cohort w20)

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 P Master Product Development, Materials and Production (PEPMS)

Specialisation Product Development

1	**Vibration Theory**	**Practical Course Product Development, Materials and Production**	**Research Project Product Development, Materials and Production**	**Master Thesis**
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**	**Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 2)**	
14	Integrated Product Development II VL 3	High-Order FEM VL 3	Selection from a catalog	
15	Integrated Product Development II PBL 2	High-Order FEM HÜ 1		
16				
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19	**Fluidics**	**Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1)**	**Aircraft Cabin Systems**	
20	Fluidics VL 2	Selection from a catalog	Aircraft Cabin Systems VL 3	
21	Fluidics HÜ 1		Aircraft Cabin Systems HÜ 1	
22	Fluidics PBL 1			
23				
24				
25	**Thermal Energy Systems**			
26	Thermal Engergy Systems VL 3			
27	Thermal Engergy Systems HÜ 1			
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.