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

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**			**Practical Course Product Development, Materials and Production**			**Research Project Product Development, Materials and Production**			**Master Thesis**		
2	Vibration Theory	VL	4	Practical Course Product Development, Materials and Production	FL	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												
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	UE	1	Structure and properties of fibre-polymer-composites	VL	2						
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.