

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

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	<b>Vibration Theory</b> Vibration Theory	IV 4	<b>Practical Course Product Development, Materials and Production</b> Practical Course Product Development, Materials and Production	PR 6	<b>Research Project Product Development, Materials and Production</b>		<b>Master Thesis</b>												
2																			
3																			
4																			
5																			
6																			
7	<b>Finite Elements Methods</b> Finite Element Methods Finite Element Methods	VL 2 HÜ 2	<b>Systems Engineering</b> Systems Engineering Systems Engineering	VL 3 HÜ 1															
8																			
9																			
10																			
11	<b>Methods of Integrated Product Development</b> Integrated Product Development II Integrated Product Development II	VL 3 PBL 2	<b>High-Order FEM</b> High-Order FEM High-Order FEM	VL 3 HÜ 1	<b>Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 2)</b> Selection from a catalog														
13																			
14																			
15																			
16																			
17																			
18	<b>Fluidics</b> Fluidics Fluidics Fluidics	VL 2 HÜ 1 PBL 1	<b>Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1)</b> Selection from a catalog		<b>Aircraft Cabin Systems</b> Aircraft Cabin Systems Aircraft Cabin Systems	VL 3 HÜ 1													
19																			
20																			
21																			
22	<b>Thermal Engineering</b> Thermal Engineering Thermal Engineering	VL 3 HÜ 1																	
23																			
24																			
25																			
26	Business & Management (from catalogue) - 6LP																		
27	Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP																		
28																			
29																			
30																			

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

