

Course of Study Product Development, Materials and Production (Study Cohort w23)

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) Dual study program

Specialisation Product Development																								
1	Vibration Theory Vibration Theory IV 4				Practical Course Product Development, Materials and Production Practical Course Product Development, Materials and Production PR 6			Research Project Product Development, Materials and Production			Master thesis (dual study program)													
2																								
3																								
4																								
5																								
6																								
7	Finite Elements Methods Finite Element Methods VL 2 Finite Element Methods HÜ 2				Practical module 2 (dual study program, Master's degree) Practical term 2 0																			
8																								
9																								
10																								
11																								
12																								
13	Practical module 1 (dual study program, Master's degree) Practical term 1 0							Practical module 3 (dual study program, Master's degree) Practical term 3 0																
14																								
15																								
16																								
17																								
18																								
19					Systems Engineering Systems Engineering VL 3 Systems Engineering HÜ 1																			
20																								
21																								
22																								
23																								
24																								
25	Methods of Product Development Methods of Product Development VL 3 Methods of Product Development PBL 2				High-Order FEM High-Order FEM VL 3 High-Order FEM HÜ 1			Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 2) Selection from a catalog																
26																								
27																								
28																								
29																								
30																								
31	Fluidics Fluidics VL 2 Fluidics HÜ 1 Fluidics PBL 1				Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1) Selection from a catalog																			
32																								
33																								
34																								
35																								
36																								
37	Nonlinear Structural Analysis Nonlinear Structural Analysis VL 3 Nonlinear Structural Analysis GÜ 1				Structure and properties of fibre-polymer-composites Structure and properties of fibre-polymer-composites VL 2 Structure and properties of fibre-polymer-composites HÜ 1 Structure and properties of fibre-polymer-composites PBL 2																			
38																								
39																								
40																								
Business & Management (from catalogue) - 6LP																								
Linking theory and practice (dual study program, Master's degree) (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.

