

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 F Master Product Development, Materials and Production (PEPMS) Dual study program

Specialisation Production									
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									
20									
21									
22									
23	Production Planning & Control and Digital Enterprise Production Planning and Control VL 2 Production Planning and Control GÜ 1 The Digital Enterprise VL 2 Exercise: The Digital Enterprise GÜ 1			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			
24									
25									
26									
27									
28									
29									
30									
31	Laser Systems and Methods of Manufacturing Design and Analysis Methods for Analysing Production Processes VL 2 Laser Systems and Process Technologies VL 2			Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1) Selection from a catalog		Robotics Robotics: Modelling and Control IV 4 Robotics: Modelling and Control PBL 2			
32									
33									
34									
35	Thermal Energy Systems Thermal Energy Systems VL 3 Thermal Energy Systems HÜ 1								
36									
37									
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.

