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

	• ,		Core Qualification Compulsory Specialisation Compuls	Focus Compulsory Thesis Compulsory
Sample	e course plan F Master Product Development, Material	s and Production (PEPMS)	Core Qualification Elective Compulsory Specialisation Elective	Compulsory Focus Elective Compulsory Interdisciplinary complement
	lisation Production			
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		
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7	Finite Elements Methods	Automation Technology and Systems		
8	Finite Element Methods VL 2	Automation Technology and Systems VL 4		
9	Finite Element Methods HŪ 2	Automation Technology and Systems GÜ 1		
10		Automation Technology and Systems PBL 1		
11				
12				
13	Production Planning & Control and Digital Enterprise Production Planning and Control VL 2	High-Order FEM VL 3	Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 2)	
14	Production Planning and Control GÜ 1	High-Order FEM HÜ 1	Selection from a catalog	
15	The Digital Enterprise VL 2 Exercise: The Digital Enterprise GÜ 1			
16	Exercise: The Digital Enterprise GÜ 1			
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19	Laser Systems and Methods of Manufacturing Design and Analysis Methods for Analysing Production Processes VL 2	Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1)	Robotics Robotics: Modelling and Control IV 4	
20	Laser Systems and Process Technologies VL 2	Selection from a catalog	Robotics: Modelling and Control PBL 2	
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25	Thermal Energy Systems Thermal Engergy Systems VL 3			
26	Thermal Engergy Systems VL 3 Thermal Engergy Systems HÜ 1			
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	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.