

Course of Study Product Development, Materials and Production (Study Cohort w22)

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

Specialisation Materials											
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											
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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					
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22											
23	Continuum Mechanics Continuum Mechanics VL 2 Continuum Mechanics Exercise GÜ 2			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		Phenomena and Methods in Materials Science Phase equilibria and transformations VL 2 Experimental Methods for the Characterization of Materials VL 2 Übung zu Phänomene und Methoden der Materialwissenschaft HÜ 2					
24											
25											
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29	Materials Modeling Material Modeling VL 2 Material Modeling GÜ 2			Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 2) Selection from a catalog		Polymers Structure and Properties of Polymers VL 2 Processing and design with polymers VL 2					
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35	Selected Topics of Product Development, Materials Science and Production (Alternative A: 12 LP) (part 1) Selection from a catalog										
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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.

