

# Course of Study Product Development, Materials and Production (Study Cohort w21)

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)

Specialisation Production			
1	<b>Vibration Theory</b>		
2	Vibration Theory	IV 4	
3			
4			
5			
6			
7	<b>Finite Elements Methods</b>		
8	Finite Element Methods	VL 2	
9	Finite Element Methods	HÜ 2	
10			
11			
12			
13	<b>Production Planning &amp; Control and Digital Enterprise</b>		
14	Production Planning and Control	VL 2	
15	Production Planning and Control	GÜ 1	
16	The Digital Enterprise	VL 2	
17	Exercise: The Digital Enterprise	GÜ 1	
18			
19	<b>Laser Systems and Methods of Manufacturing Design and Analysis</b>		
20	Methods for Analysing Production Processes	VL 2	
21	Laser Systems and Process Technologies	VL 2	
22			
23			
24			
25	<b>Thermal Energy Systems</b>		
26	Thermal Energy Systems	VL 3	
27	Thermal Energy Systems	HÜ 1	
28			
29			
30			
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.

