Course of Study Product Development, Materials and Production (Study Cohort w16)

Sample course plan F Master Product Development, Materials and Production (PEPMS) Specialisation Production

	•		-
Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective	Specialisation Elective	Focus Elective Compulsory	Interdisciplinary complement

							Compulsory	Compulsory		Todas Elective Comparatiy	interdisciplinary complement
LP	Semester 1	Form H	rs/wl	kSemester 2	Form I	Hrs/w	kSemester 3	Form Hrs	/wkSemes	ster 4	Form Hrs/wk
1 2 3 4 5	Vibration Theory Vibration Theory	VL	4	Practical Course Product Development, Mand Production Practical Course Product Development, Materials and Production	faterial : FL		Research Project Product Developmer and Production	nt, Materials	Maste	r Thesis	
6 7 8 9	Finite Elements Methods Finite Element Methods Finite Element Methods			Automation Technology and Systems (pa Automation Technology Automation Technology	rt 2) VL UE	2					
10 11 12 13 14	Production Planning & Control and Digita	al		High-Order FEM High-Order FEM High-Order FEM	VL HÜ	3	Robotics				
15 16 17 18	Enterprise Production Planning and Control Production Planning and Control The Digital Enterprise Exercise: The Digital Enterprise	UE	2 1 2 1	Selected Topics of Product Development Science and Production (Alternative A: 1: Selection from a catalog		als	Robotics: Modelling and Control Robotics: Modelling and Control	VL 3 UE 2			
19 20 21	Automation Technology and Systems (par Handling and Assembly Systems Handling and Assembly Systems	VL	2 1								
23 24 25 26 27	Laser systems and methods of manufactur design and analysis Methods for Analysing Production Processes Laser Systems and Process Technologies	VL	2 2								
28 29 30 31 32 33	Thermal Engineering Thermal Engineering Thermal Engineering		3								
34 35											

30							
39							
40							
41							
	Business & Management (from catalogue) - 6LP						
	Nontechnical Elective Complementary 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.