Course of Study Mechanical Engineering and Management (Study Cohort w16)

Sample course plan A Master Mechanical Engineering and Management (IMPMEM)

Legend:

Samp	ne course plan A master mechanica	ai Enginee			C	Sore qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Speci	alisation Mechatronics, Specialisati	lls		Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement		
	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk			Form Hrs/wk	Semester 4	Form Hrs/wk
LP		FOIIII HIS/WK		FOILIT HIS/WK			FOILIT FILS/WK		FUIII HIS/WK
1	Robotics Robotics: Modelling and Control	VL 3	Selected Topics of Management and Law (part 2) Selection from a catalog		Research	Project MEM		Master Thesis	
2	Robotics: Modelling and Control	UE 2							
3					_				
4			Selected Topics of Materials, Mechatronics, and Produ	ict					
5			Developement and Production (part 2) Selection from a catalog						
6									
7	Computer Aided Design and Computation		Nonlinear Dynamics						
8	Computer Aided Design and Computation	VL 2	Nonlinear Dynamics	VL 4					
9	Computer Aided Design and Computation	UE 2							
10									
11									
12									
13	Multiphase Materials		Manufacturing with Polymers and Composites - From N	Iolecule to Part	Digital Sig	nal Processing and Digital Filter	'S		
14	Structure and Properties of Composites	VL 2	Manufacturing with Polymers and Composites	VL 2	· · · · · · · · · · · · · · · · · · ·	nal Processing and Digital Filters			
15	Applied Computational Methods for Material Science	POL 3	From Molecule to Composites Part	POL 2	Digital Sig	nal Processing and Digital Filters	s HÜ 1		
16									
17									
18									
19	Selected Topics of Management and Law (part 1) Selection from a catalog		Mechanical Properties Mechanical Behaviour of Brittle Materials	VL 2		stems Theory and Design	VL 2		
20	Selection nom a catalog		Dislocation Theory of Plasticity	VL 2		stems Theory and Design	UE 2		
21									
22	Selected Topics of Materials, Mechatronics, and Produce Development and Production (part 1)	rt							
23	Selection from a catalog								
24									
25	Marketing and Communication				Advanced	Functional Materials			
26	Business-to-Business Marketing	VL 2			Advanced	Functional Materials	VL 2		
27	Intercultural Management and Communication Case Studies of Marketing and Communication	VL 2 UE 1							
28	g								
29									
30									
	Nontechnical Elective Complementary Cours	ses for Maste	r (from catalogue) - 6LP						
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The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.