Course of Study Materials Science (Study Cohort w19)

pecialis	course plan A Master Materials Science Sation Modeling	e (MAM3)				Core Qualification Elective Compulso	3 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1		ory Focus Elective Compulsory	Interdisciplinary complement
		Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3		Form Hrs/	/k Semes	ter 4	Form Hrs/v
	_	TOTTI TIIS/WK		TOTTI TITS/WK				_		
	Multiphase Materials		Phenomena and Methods in Materials Science		Advanced Functional Mate		SE 2	Maste	er Thesis	
	Applied Computational Methods for Material Science Polymer Composites	PBL 3 VL 2	Phase equilibria and transformations Experimental Methods for the Characterization of Materials	VL 2 VL 2	Advanced Functional Materials	1	SE 2			
3										
5										
5								_		
	Materials Physics and Atomistic Materials Modeling		Advanced Laboratory Materials Sciences		Study work on Modern Iss	ues in the Materials Sciences				
	Materials Physics Atomistic Materials Modeling	VL 2 VL 2	Advanced Laboratory Materials Sciences	PR 6						
	Exercises in Materials Physics and Modeling	GÜ 2								
.0	Exclusion in Nationals (hypics and Hodding	00 1								
1										
.2										
	Lecture: Multiscale Materials	VL 6	Mechanical Properties	VL 2						
.4	Multiscale Materials	VL 6	Mechanical Behaviour of Brittle Materials Dislocation Theory of Plasticity	VL 2 VL 2						
.5			Disiocadon meory of Plasticity	VL 2						
.6										
.7										
.8										
	Material Modeling		Madellas Assoc The Codes		Nonlinear Structural Analy	-1-		-		
	Material Modeling	VL 2	Modeling Across The Scales Modeling Across The Scales	VL 2	Nonlinear Structural Analysis	515	VL 3			
20	Material Modeling	GÜ 2	Modeling Across The Scales - Excercise	GÜ 2	Nonlinear Structural Analysis		GÜ 1			
21										
22										
23										
24										
25			1		Continuum Mechanics					
26					Continuum Mechanics		VL 2			
					Continuum Mechanics Exercise	2	GÜ 2			
27										
28										
29										
30										
	Business & Management (from catalogue) - 6LP									
	Non-technical Courses for Master (from catalogue	a) - 61 P								

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.