Course of Study Materials Science (Study Cohort w20)

			-		re Qualification Compulsory	Specialisation Compul		Focus Compulsory	Thesis Compulsory
	e course plan B Master Materials Science (MAMS)			Con	re Qualification Elective Compulso	ry Specialisation Elective	Compulsory	Focus Elective Compulsory	Interdisciplinary complement
pecia	isation Nano and Hybrid Materials		I						
1	Phenomena and Methods in Materials Science	Multiphase Materials (part 2)		Advanced Functional Materials			Master The	esis	
2	Phase equilibria and transformations VL 2		VL 2	Advanced Functional Materials		SE 2			
3	Experimental Methods for the Characterization of Materials VL 2								
4									
		Advanced Laboratory Materials Sciences Advanced Laboratory Materials Sciences	PR 6						
5		, , , , , , , , , , , , , , , , , , , ,							
6									
7	Multiphase Materials (part 1)			Study work on Modern Issues in	the Materials Sciences				
8	Lecture: Multiscale Materials VL 6								
9									
10	Materials Physics and Atomistic Materials Modeling	Mechanical Properties							
11	Materials Physics VL 2		VL 2						
12	Quantum Mechanics and Atomistic Materials Modeling VL 2 Exercises in Materials Physics and Modeling GÜ 2	The state of the s	VL 2						
13									
14									
15									
16	Applied Computational Methods for Material Science	Interfaces and interface-dominated Materi	ials (part 1)						
17	Applied Computational Methods for Material Science PBL 3		VL 2						
18									
19		Quantum Mechanics of Solids		Particle Technology and Solid M	atter Drases Technology				
20		Quantum Mechanics of Solids		Advanced Particle Technology II	acter Process reciniology	VL 2			
21		Quantum Mechanics of Solids		Advanced Particle Technology II		PBL 1			
		_		Experimental Course Particle Techn	ology	PR 3			
22	BIO II: Biomaterials Biomaterials VL 2								
23									
24									
25		BIO II: Artificial Joint Replacement Artificial Joint Replacement		Interfaces and interface-domina Nature's Hierarchical Materials	ted Materials (part 2)	SE 2			
26		Artificial John Replacement	VL 2	ivacure a merarchical materials		3E 2			
27									
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.