Course of Study Materials Science (Study Cohort w18)

Sample course plan C Master Materials Science (MAMS) Specialisation Engineering Materials

Core qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory

Core qualification Elective Compulsory C

	Form Hrs/wkSemester 2	FOITH HIS/V	/kSemester 3	Form Hrs/W	kSemester 4 Form Hrs/wk
Multiphase Materials Applied Computational Methods for Material Science Polymer Composites	PBL 3 Phase equilib	ria and transformations VL 2 Methods for the VL 2 ion of Materials	Advanced Functional Materials Advanced Functional Materials	SE 2	Master Thesis
Materials Physics and Atomistic Materials Physics and Atomistic Materials Physics Materials Physics Atomistic Materials Modeling Exercises in Materials Physics and Modeling		aboratory Materials Sciences poratory Materials Sciences PR 6	Study work on Modern Issues in the Sciences	Materials	
Lecture: Multiscale Materials Multiscale Materials Multiscale Materials		Properties ehaviour of Brittle Materials VL 2 neory of Plasticity VL 2			
Polymers Structure and Properties of Polymers Processing and design with polymers 4	VL 2 Design with f	er-composites ibre-polymer-composites VL 2 I properties of fibre- VL 2 posites	Examination of Materials, Structural and Damages Examination of Materials, Structural Condition and Damages Examination of Materials, Structural Condition and Damages	Condition VL 3 UE 1	
5 6 7 8 9			Metallic and Hybrid Light-weight Ma Joining of Polymer-Metal Lightweight Structures Joining of Polymer-Metal Lightweight Structures Metallic Light-weight Materials	vL 2 PR 1 VL 2	
Business & Management (from catalogue)		logue) - 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.