Course of Study Materials Science (Study Cohort w15)

Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP

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

Legend:

Core qualification Compulsory

Core qualification Elective

Specialisation Compulsory

Focus Compulsory

Thesis Compulsory

Interdisciplinary complement

Compulsory

Compulsory

LP	Semester 1	Form H	rs/wk	Semester 2 Foi	m Hrs/wk	Semester 3 Form	Hrs/wk	Semester 4 Fo	orm Hrs/wk
1	Multiphase Materials			Phenomena and Methods in Materials Science		Advanced Functional Materials		Master Thesis	
2	Structure and Properties of Composites Applied Computational Methods for Material Science	VL POL		Phase equilibria and transformations	L 2 L 2	Advanced Functional Materials VL	2		
5									
6									
7	Materials Physics and Atomistic Materials Modeling			Advanced Laboratory Materials Sciences		Project work on Modern Issues in the Materials Sciences			
8	Materials Physics Atomistic Materials Modeling	VL VL	1 2	Advanced Laboratory Materials Sciences	R 6				
9	Atomistic Materials Moderning	٧L	_						
11									
13	Lecture: Multiscale Materials			Mechanical Properties					
14	Multiscale Materials	VL	6	Mechanical Behaviour of Brittle Materials					
15				Dislocation Theory of Plasticity V	L 2				
16									
17									
18									
19	Design with Polymers and Composites			Manufacturing with Polymers and Composites - From Molecul		Examination of Materials, Structural Condition and Damages			
20	Design with Polymers and Composites Joining of Polymer-Metal Lightweight Structures	VL VL			L 2)L 2	Examination of Materials, Structural Condition and VL Damages	4		
21	Joining of Polymer-Metal Lightweight Structures		1	From Molecule to Composites Fait FC	<i>I</i> L 2	_	1		
22						Damages			
23									
24									
25	Ceramics and Polymers								
26	Ceramics Technology		2						
27	Structure and Properties of Polymers	VL	2						
28									
29									
30									
	Business & Management (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.