Study programme: MATERIALS ENGINEERING

No.	Subject Name	Semester	Lecture	SRW	ECTS
1.	Methodology in Scientific Research	1	6	2	10
2.	Election Subject I*	1	4	2	10
3.	Election Subject II *	1	4	2	10
4.	Election Subject III **	1	4	2	10
5.	Election Subject IV **	2	4	2	10
6.	Study Research Work 1	2	-	8	5
7.	Preparation of the PhD Thesis 1	2	-	-	5
8.	Election Subject V **	3	4	2	10
9.	Election Subject VI **	3	4	2	10
10.	Study Research Work 2	3	-	8	5
11.	Preparation of the PhD Thesis 2	3	-	-	5
12.	Study Research Work 3	4	-	20	20
13.	Preparation of the PhD Thesis 3	4	-	-	10
14.	Study Research Work 4	5	-	20	10
15.	Preparation of the PhD Thesis 4	5	-	-	20
16.	Study Research Work 5	6	-	20	10
17.	Preparation and Defense of the PhD Thesis				20

* Election Subject I - II are from the list of Election Block 1 and/or Election Block 2
** Election Subject III - VI are from the list of Election Block 2

ELECTION BLOCK 1	ELECTION BLOCK 2
Advances in Biochemistry	Selected Chapters from Nanomaterials and Nanotechnology
Liquid Chromatography-Theory and Practice	Cement Chemistry
Chemistry of Free Radicals	Construction and Technical Ceramic
Chemistry of Coordination Compounds	Noncrystalline and Optical Materials
Analysis and Computational Modeling of Molecules	Electronic and Magnetic Materials
Organic Reactions During Technological Processes	Natural and Synthetic Zeolites
Natural and Synthetic Antioxidants	Macromolecular Synthesis
Advances in Instrumental Methods of Analysis	Polymer Nanocomposites
Advances in Colloid Chemistry	Polymer Networks and Gels
Protein and Biochemical Transformation	Organic Coatings
Interactions in Macromolecular Systems	Biocomposite Polymer Materials
Advances in Physical Chemistry	
Kinetics of Chemical Reaction	
Packaging and the Environment	
Environmental Microbiology	
Biology of Production Microorganisms	
Advances in Mechanical Operations	
Selected Chapters of Heat and Diffusion Operations	
Extraction Systems	
Probability and Statistics for Engineers	
Advances in Heat and Mass Transfer	
Advances in Enzymology	
Biochemistry of Microorganisms	
Liquid Chromatography of Biologically Active Compounds	