

Table 3. Study program: Metallurgical Engineering

Scheduling of subjects by semesters and years of study for Doctoral study program of Metallurgical Engineering

Number	Code	Subject name	Semester	Status of the subject	Other classes		ECTS
					Lectures	Study research work	
FIRST YEAR							
1.	ДИМ1МНИР ДИМ1ПМ	Subject of elective block 1. 1.1. <i>Methodology of the scientific-research activities</i> 1.2. <i>Project management</i>	1	Elective	6	4	15
2.	ДМИ1ПП ДМИ1ХЕП ДМИ1ФМ4	Subject of elective block 2. 2.1. <i>Pyrometallurgical processes</i> 2.2. <i>Hydro and electrometallurgical processes</i> 2.3. <i>Physical metallurgy 4</i>	1	Elective	6	4	15
3.	ДМИ1МТ2 ДМИ1МР ДМИ1ФЧПМ ДМИ1МПМ	Subject of elective block 3. 3.1. <i>Metallurgical thermodynamics 2</i> 3.2. <i>Metallurgical reactors</i> 3.3. <i>Physics of strength and plasticity of metals</i> 3.4. <i>Mechanical behavior of metals</i>	2	Elective	6	4	15
4.	ДМИ1МК ДМИ1СММ ДМИ1СМКМ	Subject of elective block 4. 4.1. <i>Metallurgical kinetics</i> 4.2. <i>Modern metal materials</i> 4.3. <i>Modern methods of materials characterization</i>	2	Elective	6	4	15
Total					24	16	60
Total classes of active teaching in the year of study					40		
SECOND YEAR							
5.	ДМИ2ФП2 ДМИ2СПЛМЛ ДМИ2СММК	Subject of elective block 5. 5.1. <i>Transport phenomena 2</i> 5.2. <i>Contemporary procedures in modeling and casting technology</i> 5.3. <i>Sintered metallic materials and composites</i>	3	Elective	6	4	15
		Doctoral dissertation –					

6.	ДМИ2ДДТ	defining theme	3	Obligatory		10	15
7.	ДМИ2ДДСИР1	Doctoral dissertation – research work 1	4	Obligatory		20	30
					Total	6	34
					Total classes of active teaching in the year of study		40
8.	ДМИ3ДДСИР2	Doctoral dissertation – research work 2	5	Obligatory		20	30
9.	ДМИ3ДДСИР3	Doctoral dissertation – research work 3	6	Obligatory		20	10
					Total classes of active teaching in the year of study		40
					Total classes of active teaching in all years of study		120
10.	ДМИ3ДДИОДД	Doctoral dissertation – realization and defense of thesis	6	Obligatory			20
					Total ECTS points in all years of study		180