

**Table 2.** Scheduling of subjects by semesters and years of study for Master's study program of Metallurgical Engineering

Number	Code	Subject name	Semester	Status of the subject	Classes of active teaching				Other classes	ECTS
					Lectures	Exercises	Study research work	Other forms of teaching		
<b>FIRST YEAR</b>										
1.	ММИ1ФМЗ	<b>Physical metallurgy 3</b>	1	Obligatory	3	1		2		8
2.	ММИ1КМ	<b>Materials characterization</b>	1	Obligatory	3	1		2		8
3.	ММИ1ТМ ММИ1ТС ММИ1КФТ	<b>Subject of elective block 1.</b> <b>3.1. Thermodynamics of materials</b> <b>3.2. Sintering theory</b> <b>3.3. Kinetics of phase transformations</b>	1	Elective	2	1		1		6
4.	ММИ1ФП1 ММИ1ССПМ ММИ1ФР	<b>Subject of elective block 2.</b> <b>4.1. Transport phenomena 1</b> <b>4.2. Structure and properties of precious metals</b> <b>4.3. Phase equilibria</b>	1	Elective	3	2		1		8
5.	ММИ1КПДЖП ММИ1МЛОМ ММИ1МЛГЧ ММИ1ПРПМ	<b>Subject of elective block 3.</b> <b>5.1. Conti procedures for obtaining wire and profiles</b> <b>5.2. Metallurgy of non-ferrous alloys</b> <b>5.3. Metallurgy of cast iron and steel</b> <b>5.4. Processing of rare and precious metals</b>	2	Elective	3	1		2		8
6.	ММИ1ТОИМР	<b>Theoretical basics for creating a master's thesis</b>	2	Obligatory	2	2	11			8
<b>Total classes</b>					16	8	11	8		46
<b>Total classes of active teaching in the year of study</b>					43				2	
7.	ММИ1СП	<b>Professional</b>	2	Obligatory					6	6

		<b>practice</b>		ry		
<b>8.</b>	ММИИМР	<b>Master work</b>	2	Obligato ry	-	8
<b>Total ECTS</b>						60