

**Table 5.1. Course schedule by semesters and years of study for second level of study program**

**Module 1: Exploitation of Mineral Deposits - EMD**

Number	Code	Subject name	Semester	Classes of active teaching			Other classes	ECTS
				L	E	LAB		
<b>THE FIRST YEAR</b>								
1.	MRI1MOP	Processes modeling and optimization	I	3	3	0	0	8
2.	MRI1SZRTDR	Standards, legislation and technical documentation in mining	I	3	2	0	0	6
3.	MRI1ISPO	Construction of special underground facilities	I	3	3	0	0	8
4.	MRI1EOK MRI1KM	Elective subject 1: <i>4.1. Quarrying and stone processing</i> <i>4.2. Controlled blasting</i>	I	2	2	0	0	8
5.	MRI1GGP MRI1SRZ MRIKRTPMRT	Elective subject 2: <i>5.1. Geoinformatics and geodata base</i> <i>5.2. Sanation and reclamation of land</i> <i>5.3. Process control in mineral and recycling technologies</i>	II	3	3	0	0	8
6.	MRI1TOIMP	Study research work on theoretical basis of the master thesis	II	2	2	0	0	6
7.	MRI1SP	Professional practice	II	0	0	0	10	6
8.	MRI1MR	Master thesis	II	0	0	0	6	10
Total hours of active lecturing				31			16	
Total ECTS points								60

**Module 2: Mineral Processing - MP**

Number	Code	Subject name	Semester	Classes of active teaching			Other classes	ECTS
				L	E	LAB		
<b>THE FIRST YEAR</b>								
1.	MRI1MOP	Processes modeling and optimization	I	3	3	0	0	8
2.	MRI1SZRTDR	Standards, legislation and technical documentation in mining	I	3	2	0	0	6
3.	MRI1TPFK	Theoretical principles of flotation concentration	I	3	1	1	0	8
4.	MRI1OPPMS MRI1SMK	Elective subject 1: <i>4.1. Mineral processing design</i> <i>4.2. Specific methods of flotation</i>	I	1	2	1	0	8
5.	MRI1GGP MRI1SRZ MRIKRTPMRT	Elective subject 2: <i>5.1. Geoinformatics and geodata base</i> <i>5.2. Sanation and reclamation of land</i> <i>5.3. Process control in mineral and recycling technologies</i>	II	3	3	0	0	8
6.	MRI1TOIMR	Study research work on theoretical basis of the master thesis	II	2	2	0	0	6
7.	MRI1SP	Professional practice	II	0	0	0	10	6
8.	MRI1MR	Master thesis	II	0	0	0	6	10
Total hours of active lecturing				30			16	
Total ECTS points								60

### **Module 3: Recycling Technologies and Sustainable Development - RTSD**

Number	Code	Subject name	Semester	Classes of active teaching			Other classes	ECTS
				L	E	LAB		
<b>THE FIRST YEAR</b>								
1.	MRI1MOP	Processes modeling and optimization	I	3	3	0	0	8
2.	MRI1SZRTDR	Standards, legislation and technical documentation in mining	I	3	2	0	0	6
3.	MRI1TPFK	Theoretical principles of flotation concentration	I	3	1	1	0	8
4.	MRI1PD MRI1UOO	Elective subject 1: <i>4.1. Landfill design</i> <i>4.2. Hazardous waste management</i>	I	2	0	2	0	8
5.	MRI1GGP MRI1SRZ MRIKRTPMR T	Elective subject 2: <i>5.1. Geoinformatics and geodata base</i> <i>5.2. Sanation and recultivation of land</i> <i>5.3. Process control in mineral and recycling technologies</i>	II	3	3	0	0	8
6.	MRI1TOIMR	Study research work on theoretical basis of the master thesis	II	2	2	0	0	6
7.	MRI1SP	Professional practice	II	0	0	0	10	6
8.	MRI1MR	Master thesis	II	0	0	0	6	10
Total hours of active lecturing				30			16	
Total ECTS points								60