

## CURRICULUM

### EDUCATIONAL AND QUALIFICATION DEGREE: MASTER

**COURSE OF STUDY: MANAGEMENT OF THE MINING AND PROCESSING OF MINERALS AND COAL**

**VOCATIONAL FIELD: 5.8 EXPLORATION, MINING, AND PROCESSING OF MINERALS**

**VOCATIONAL QUALIFICATION: ENGINEER IN MANAGEMENT OF THE MINING AND PROCESSING OF MINERALS AND COAL**

FORM OF STUDY: FULL-TIME

DURATION OF STUDY: 1.5 YEARS (three semesters)

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Teaching hours		Overall academic load per semester	Credits acc. to ECTS	
						L	S			
First	First	1	272143	Introduction to the Principles of the Circular Economy	E	30	15	45	4	
		2	242121	Management of Mining Wastes	E	60	45	105	7	
		3	212132	Investment Process and Methods for Investment Project Assessment	E	45	30	75	6	
		4	242133	Technologies for Polymetallic Ore Processing	E	60	45	105	7	
		5	242134	Engineering practices in the Processing of Minerals and Solid Fuel	E	60	45	105	7	
		6	242135	Course project in Design of Facilities for Mineral Processing	CA		60	60	5	
	<b>Overall for the first semester</b>					<b>5+1</b>	<b>255</b>	<b>240</b>	<b>495</b>	<b>36</b>
	Second	7	212179	Quality Control of Minerals and Coal in Opencast and Underground Mining	E	60	45	105	7	
		8	242136	Technologies for the Processing of Industrial Minerals and Rocks	E	60	45	105	7	
		9	242137	Technological Evaluation of Minerals	CA		60	60	6	
		10	282109	Physico-Chemical Fundamentals of the Floatation Process	E	45	30	75	6	
		11	242138	Sustainable Technologies for Solid Fuel Processing	E	60	45	105	7	
12		242139	Course project in Design of Facilities for the Processing of Coal, Industrial Minerals, and Rocks	CA		60	60	5		
<b>Overall for the second semester</b>					<b>4+2</b>	<b>225</b>	<b>255</b>	<b>465</b>	<b>36</b>	
<b>Overall for the first year</b>					<b>9+3</b>	<b>480</b>	<b>495</b>	<b>960</b>	<b>72</b>	
Second	Third	13	242132	Pre-diploma practice	CA		90	90	3	
		Development and defence of the diploma paper								15
		<b>Overall for the third semester:</b>					<b>0+1</b>		<b>90</b>	<b>90</b>
<b>OVERALL FOR THE FULL COURSE OF STUDY</b>					<b>9+4</b>	<b>480</b>	<b>585</b>	<b>1050</b>	<b>90</b>	

Abbreviations: E - examination; CA - continuous assessment; L - lectures; S - seminars;

#### Parameters of the Curriculum:

Overall teaching hours for the full course of study:	<b>1050</b>
Academic load:	<b>960</b>
lectures:	<b>480</b>
seminars:	<b>480</b>
Extracurricular load (practical training):	<b>90</b>
Number of exams:	<b>9</b>
Items of continuous assessment:	<b>4</b>