

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER

COURSE OF STUDY: SOLID AND LIQUID WASTE MANAGEMENT

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

VOCATIONAL QUALIFICATION: ENGINEER IN SOLID AND LIQUID WASTE MANAGEMENT

FORM OF STUDY: PART-TIME

DURATION OF STUDY: 2 YEARS (four semesters)

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Overall teaching hours by type of seminar		Overall academic load per semester	Credits acc. to ECTS	
						L	S			
First	First	1	242123	Domestic/Municipal and Building Waste Management	E	30	25	55	7	
		2	242121	Management of Mining Wastes	E	30	25	55	7	
		3	272143	Introduction to the Principles of the Circular Economy	E	15	10	25	4	
		4	242122	Hazardous and Radioactive Waste Management	E	30	25	55	7	
	Overall for the first semester					4	105	85	190	25
	Second	5	242125	Design of Installations for Solid Waste Processing	E	25	30	55	7	
		6	242126	Course project in Design of Facilities for Solid Waste Processing	CA		30	30	5	
		7	242127	Chemical and Physico-Chemical Methods for Liquid Waste Management	E	30	25	55	6	
		8	242124	Ecological Risk Assessment in Waste Management	E	30	25	55	6	
		Overall for the second semester					3+1	85	110	195
Overall for the first year					7+1	190	195	385	49	
Second	Third	9	242128	Domestic/Municipal and Industrial Waste Water Treatment	E	30	25	55	7	
		10	242129	Technologies for the Treatment of Waste Water from the Mining Industry and the Metallurgy	E	30	25	55	7	
		11	242130	Technological Design and Exploitation of Water Treatment Facilities	E	30	25	55	6	
		12	242131	Course project in Design of Waste Water Treatment Plants	CA		30	30	5	
	Overall for the third semester					3+1	90	105	195	25
	Fourth	13	242132	Pre-diploma practice	CA		90	90	3	
					Development and defence of the diploma paper				15	
	Overall for the fourth semester					0+1		90	90	18
Overall for the second year					3+2	90	195	285	43	
OVERALL FOR THE FULL COURSE OF STUDY					10+3	280	390	670	92	

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

Parameters of the Curriculum:

Overall teaching hours for the full course of study: **670**
 Academic load: **630**
 lectures: **310**
 seminars: **390**
 Extracurricular load (practical training): **90**
 Number of exams: **10**
 Items of continuous assessment: **3**