



**UNIVERSITY OF MINING AND GEOLOGY "ST. IVAN RILSKI"
SOFIA**

FACULTY OF MINING TECHNOLOGY

CURRICULUM

VOCATIONAL FIELD:	5.8 EXPLORATION, MINING AND PROCESSING OF MINERAL RESOURCES
COURSE OF STUDY:	WASTE MANAGEMENT
EDUCATIONAL AND QUALIFICATION DEGREE:	MASTER
VOCATIONAL QUALIFICATION:	ENGINEER IN WASTE MANAGEMENT
FORM OF STUDY:	FULL - TIME
DURATION OF STUDY:	ONE AND A HALF YEARS (THREE SEMESTERS)

Adopted at a session of the Academic Council at the University of Mining and Geology "St. Ivan
Rilski":
Minutes № 15 / 26.11. 2018

HEAD OF MINERAL PROCESSING AND RECYCLING DEPARTMENT: _____
(Assoc. Prof. DSc. I. Grigorova)

DEAN: _____
(Prof. Dr. I. Koprev)

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER

COURSE OF STUDY: "WASTE MANAGEMENT"

VOCATIONAL QUALIFICATION: ENGINEER IN WASTE MANAGEMENT

FORM OF STUDY: FULL-TIME

DURATION OF STUDY : 1,5 YEARS

Duration of semesters: 15 weeks

Year	Semester	No	Course unit code	Full name of the course unit (course projects, practical trainings)	Form of control	Teaching hours		Overall teaching hours per semester	Credits		
						L	S				
First	First	1	172125	Ecology and Environmental Impact Assessment	Exam	30	15	45	4		
		2	272129	Management and Marketing	Exam	30	15	45	4		
		3	242135	Waste Management Legislation	Exam	45	30	75	4		
		4	242122	Mining Wastes Management	Exam	45	30	75	6		
		5	242136	Hazardous and Radioactive Waste Management	Exam	45	30	75	6		
		6	242137	Municipal Solid Waste Management	Exam	45	30	75	6		
	First Semester					6	240	150	390	30	
	Second	Second	7	242138	Waste Management Ecological Risk Assessment	Exam	45	30	75	4	
			8	242140	Solid Waste Processing Installations Design	Exam	30	45	75	6	
			9	242124	Modelling and Optimization	Exam	45	30	75	6	
			10	242139	Building Industry Waste Management	Exam	45	30	75	6	
			11	242155	Course Project: Solid Waste Processing Installations Design	CA		45	45	4	
			12		Optional:	Exam	45	30	75	4	
				242241	Polluted Water and Air Purification						
				242242	Soil Purification						
				242243	Biodegradable Waste Management						
			Second Semester					5+1	210	210	420
	Overall for the first year:					11+1	450	360	810	60	
Second	Third		13	242149	Pre-diploma practice 15 days (90 teach. hrs.)	CA		90	90	3	
				Master's Thesis Preparation and Defense					15		
		Third semester:						90	90	18	
OVERALL FOR THE COURSE OF STUDY:					11+2	450	450	900	78		

Abbreviations: CA -continuous assessment, L - lectures, Lab - laboratory seminars S -seminars, P - practical seminars

Parameters of the Curriculum

Overall teaching hours for the full course of study:	900 teach. hrs.
Academic load::	810 teach. hrs.
lectures:	450 teach. hrs.
seminars:	450 teach. hrs.
Extracurricular load (practical training:	90 teach. hrs.
Number of exams per course of study:	11
Items of continuous assessment:	2