



FACULTY OF MINING TECHNOLOGY

CURRICULUM

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

Adopted at a session of the Academic Council at the University of Mining and Geology "St. Ivan Rilski":

Minutes № 15 / 02.04.2015

HEAD OF DEPARTMENT OF UNDERGROUND MINING OF MINERALS: _____

(Prof. Dr. D. Anasasov)

DEAN: _____

(Prof. Dr. I. Koprev)

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER
COURSE OF STUDY: UNDERGROUND MINING OF MINERALS

VOCATIONAL QUALIFICATION: MINING ENGINEER IN UNDERGROUND MINING OF MINERALS

FORM OF STUDY: FULL-TIME

DURATION OF STUDY : 1,5 YEARS

Durartion of semesters: first and second - 15 weeks

Year	Semester	№	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	212120	Applied Geomechanics	Exam	45	30	75	7	
		2	112129	Mining Geology	Exam	30	15	45	4	
		3	212121	Contemporary Technologies in Underground Development of Mineral Resources (Ore Mining)	Exam	45	30	75	7	
		4	212122	Course project: Contemporary Technologies in Underground Development of Mineral Resources (Ore Mining)	CA		15	15	1	
		5	212128	Specialised Software for Solving Mining and Technical Problems	Exam	30	45	75	7	
		6	412112	Mining Law	Exam	30	15	45	4	
	First Semester					4+2	180	150	330	30
	Second	1	212123	Contemporary Technologies in Underground Development of Mineral Resources (Coal Mining)	Exam	45	30	75	7	
		2	212124	Course project: Contemporary Technologies in Underground Development of Mineral Resources (Coal Mining)	Exam		15	15	1	
		3	212125	Assessment of Mineral Deposits	Exam	30	30	60	6	
		4	262116	Systems for Mine Ventilation and Cooling	Exam	30	15	45	5	
		5	262117	Mine Safety	CA	30	15	45	5	
		6	212129	Contemporary blasting Technologies - Industrial Blasting Agents and Industrial Means of Blasting	Exam	30	30	60	6	
	Second Semester					6+1	165	135	300	30
	Overall for the first year:					10+3	345	285	630	60
	Second	Third	1	212133	Technology of Combined Mining of Ore Deposits	Exam	30	30	60	3
			2	212126	Design of Underground Mines	Exam	60	30	90	5
			3	212127	Course project: Design of Underground Mines	CA		15	15	1
4			212132	Ecological Issues, Closing-Down, and Reclamation in Underground Development of Mineral Resources	Exam	45	15	60	3	
5			212133	<i>Pre-diploma practice 4 days (60 teach. hrs.)</i>	Exam			120	3	
Third semester:					4+2	135	90	345	15	
Master's Thesis Preparation and Defense									15	
OVERALL FOR THE COURSE OF STUDY:					14+5	480	375	975	90	

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:	975 teach. hrs.
Academic load::	855 teach. hrs.
lectures:	480 teach. hrs.
seminars:	375 teach. hrs.
Extracurricular load (practical training):	120 teach. hrs.
Number of exams per course of study:	14
Items of continuous assessment:	3