



FACULTY OF MINING TECHNOLOGY

CURRICULUM

VOCATIONAL FIELD	5.13. GENERAL ENGINEERING
COURSE OF STUDY	SAFETY ENGINEERING
EDUCATIONAL AND QUALIFICATION DEGREE	MASTER
VOCATIONAL QUALIFICATION	SAFETY ENGINEER
FORM OF STUDY	FULL-TIME
DURATION OF STUDY:	1.5 YEAR (3 Semester)

Adopted at a session of the Academic Concil of the University of mining and Geology
"St. Ivan Rilski:
Minutes № / 2021 r.

HEAD OF DEPARTMENT "MV and TS":

DEAN of FMT :

/ Assoc.Prof. Zahari Dinchev/

/ Prof. D.Sc. Valeri Mitkov /

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER
 COURSE OF STUDY: "SAFETY ENGINEERING"
 VOCATIONAL FIELD: 5.13 GENERAL ENGINEERING

FORM OF STUDY: FULL-TIME

DURATION OF STUDY: 1.5 YEAR (3 Semester)

Duration of each semester: 15 weeks

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Teaching hours (weekly)		Overall academic load per semester	Credits acc. to ECTS	
						L	S			
First	First	1	262106	Industrial safety – part I	E	4	2	90	7	
		2	262107	Industrial ventilation and dust control	E	3	2	75	6	
		3	262108	Industrial Hygiene and Occupational Diseases	E	3	2	75	6	
		4	262109	Computer Methods in Safety -Module A	CA	1	1	30	3	
		5	262110	Introduction to scientific data analysis – Module A	CA	1	1	30	3	
		<i>Overall for the first semester</i>					3+2	12	8	300
	Second	6	262106	Industrial safety – part II	CA	3	3	90	7	
		7	262112	Fire safety and rescue service	E	3	3	90	7	
		8	272147	Human resource management	CA	1	1	30	3	
		9	262109	Computer Methods in Safety -Module B	CA	1	1	30	3	
		10	262110	Introduction to scientific data analysis – Module B	CA	1	1	30	3	
		11		Elective course unit	E	2	1	45	4	
			272248	Project management						
			232225	Geotechnical safety						
		1	262126	<i>Practical training (Study of working conditions in an industrial enterprise) - 5 days (30 academical hours)</i>	CA			30	2	
	<i>Overall for the second semester</i>					3+4	11	10	345	29
	Overall for the first academical year:					6+6	23	18	645	54
	Second	Third	12	262122	Industrial risk assessment and safety management	E	2	3	75	7
			13	262110	Introduction to scientific data analysis – Module C	E	1	2	45	3
14			262131	Ergonomics and operational behaviour	E	2	1	45	4	
15			262133	Risks of industrial pollution of the environment	CA	1	2	45	3	
16				Elective course unit	CA	2	1	45	4	
			262214	Ventilation and air conditioning systems control						
			262217	Mining safety						
2			262124	<i>Pre-diploma practice, 5 days (30 academical hours)</i>	CA			30	2	
<i>Overall for the third semester:</i>					3+3	8	9	285	23	
Development and defence of Master thesis									15	
OVERALL FOR THE FULL COURSE OF STUDY					9+9	31	27	930	92	

Abbreviations: E - examination; 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:	930 hours
Academic load:	870 hours
lectures:	465 hours
seminars:	405 hours
Extracurricular load (practical training):	60 hours
Number of exams:	8
Items of continuous assessment:	9