



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	PART-TIME
DURATION OF STUDY:	2 YEARS (4 Semester)

Adopted at a session of the Academic Concil of the University of mining and Geology

"St. Ivan Rilski:

Minuts № / 2021 r.

HEAD OF DEPARTMENT "MV and TS":

DEAN of FMT :

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/ Assoc.Prof. Zahari Dinchev/

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/ 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: PART-TIME

DURATION OF STUDY: 2 YEARS (4 Semester)

Duration of each semester: 3 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	И	30	15	45	7	
		2	262108	Industrial Hygiene and Occupational Diseases	И	22	15	37	6	
		3	262109	Computer Methods in Safety -Module A	ТО	8	8	16	3	
		4	262110	Introduction to scientific data analysis – Module A	ТО	8	8	16	3	
		5	272147	Human resource management	ТО	8	7	15	3	
	<i>Overall for the first semester</i>					2+3	76	53	129	22
	SECOND	6	262106	Industrial safety – part II	И	22	23	45	7	
		7	262107	Industrial ventilation and dust control	И	22	15	37	6	
		8	262109	Computer Methods in Safety -Module B	ТО	8	8	16	3	
		9	262110	Introduction to scientific data analysis – Module B	ТО	8	8	16	3	
		10		Elective course unit	И	15	8	23	4	
			272248	Project management						
			232225	Geotechnical safety						
		1	262126	Practical training ( (Study of working conditions in an industrial enterprise) - 5 days (30 academical hours)	ТО			30	2	
	<i>Overall for the second semester</i>					3+3	75	62	167	25
<i>Overall for the first academical year:</i>					5+6	151	115	296	47	
SECOND	THIRD	11	262112	Fire safety and rescue service	И	22	22	44	7	
		12	262131	Ergonomics and operational behaviour	И	15	8	23	4	
		13	262110	Introduction to scientific data analysis – Module C	И	8	15	23	3	
		14		Elective course unit	ТО	15	8	23	4	
			262214	Ventilation and air conditioning systems control						
			262217	Mining safety						
	<i>Overall for the third semester:</i>					3+1	60	53	113	18
	FORTH	15	262122	Industrial risk assessment and safety management	И	15	22	37	7	
		16	262133	Risks of industrial pollution of the environment	ТО	8	15	23	3	
		2	262124	Pre-diploma practice, 5 days (30 academical hours)	ТО			30	2	
		<i>Overall for the forth semester:</i>					1+2	23	37	90
	<i>Overall for the second academical year:</i>					4+3	83	90	203	30
<i>Development and defence of Master thesis</i>									15	
<b>OVERALL FOR THE FULL COURSE OF STUDY</b>					<b>9+9</b>	<b>234</b>	<b>205</b>	<b>499</b>	<b>92</b>	

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: 499 часа

Academic load: 439 часа

lectures: 234 часа

seminars: 205 часа

Extracurricular load (practical training): 60 часа