



FACULTY OF MINING ELECTROMECHANICS

CURRICULUM

<u>VOCATIONAL FIELD:</u>	5.8. EXPLORATION, MINING, AND PROCESSING OF MINERALS
<u>COURSE OF STUDY:</u>	MACHINES, APPARATA, AND FACILITIES FOR INDUSTRIAL AND MUNICIPAL/DOMESTIC GASIFICATION
<u>EDUCATIONAL AND QUALIFICATION DEGREE:</u>	MASTER
<u>VOCATIONAL QUALIFICATION:</u>	ENGINEER IN GAS EQUIPMENT AND TECHNOLOGIES
<u>FORM OF STUDY:</u>	PART-TIME
<u>DURATION OF STUDY:</u>	1,5 YEARS

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

Minutes № / 2021

HEAD OF DEPARTMENT OF
TECHNICAL MECHANICS AND MACHINE SCIENCES:

(Assoc. Prof. Dr. Ev. Kraychev)

DEAN:

(Assoc. Prof. Dr. K. Dzhustrov)

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER

COURSE OF STUDY: Machines, Apparata, and Facilities for Industrial and Municipal/Domestic Gasification

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

FORM OF STUDY: PART-TIME

DURATION OF STUDY: 1,5 YEARS

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 teaching hours by type of seminar			Overall academic load per semester	Credits acc. to ECTS	
						L	S	S	Lab	P			
First	First	1	352120	Machines, Apparata, and Facilities for Industrial and Domestic Gasification	И	23	23	13	10		46	6	
		2	352121	Gas Measurement and Gas Regulation Equipment	И	23	15	15			38	5	
		3	112106	Petroleum Geology	И	23	15	7	8		38	5	
		4	352124	Elements of Installations and Apparata	И	15	15	15			30	4	
		5	322109	Electrical Equipment in Explosion-Risk Production	И	15	23		23		38	5	
		6	352119	Heat- and Mass-Exchange Processes and Apparatus	И	23	23	13	10		46	6	
	Overall for the first semester					6+0	122	114	63	51		236	31
	Second	7	312143	Hydro- and Pneumatic Components for Control and Automation	И	15	15	15			30	5	
		8	162135	Design of Systems for Transport of Oil and Gas Along Main Pipelines	И	23	23	15	8		46	7	
		9	322111	Renewable Sources of Energy	И	15	23	23			38	6	
		10	312164	Computer Modelling of Mechanical Systems	И	15	23		23		38	5	
		11	362151	Computer Methods in Engineering	И	15	23		23		38	5	
Overall for the second semester					5+0	83	107	53	54		190	28	
	12	352123	Pre-diploma production practical training	CA						20	1		
Second	Third	Development and defence of the diploma paper										15	
OVERALL FOR THE FULL COURSE OF STUDY					11+1	205	221	116	105		446	75	

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:	446
Academic load:	426
lectures:	205
seminars:	221
- seminars	116
- laboratory seminars	105
Extracurricular load (practical training):	20
Number of exams:	11
Items of continuous assessment:	1