



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

THE FACULTY OF GEO-EXPLORATION

C U R R I C U L U M

VOCATIONAL FIELD:	5.8 "EXPLORATION, MINING, AND PROCESSING OF MINERALS"
COURSE OF STUDY:	GASSUPLY
EDUCATIONAL AND QUALIFICATION DEGREE	MASTER
PROFESIONAL QUALIFICATION	ENGINEER OF GASIFICATION
FORM OF STUDY	PART-TIME
DURATION OF STUDY	2 YEARS

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

Minutes №

Head of Department of "DPTOG":.....
Assoc. Prof. Rumen Kulev

DEAN:
Assoc. Prof. Boris Valchev

Sofia, 2021

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE "MASTER"

COURSE OF STUDY: "GASSUPPLY"

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

FORM OF STUDY: PART-TIME

DURATION OF STUDY: 2 YEARS

Duration of each semester: 30 days

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	PS			
First	First	1	112154	Properties of Natural Gases and Gaseous Fuels	E	15	15		15		30	4	
		2	162142	Equipment and Technology in Gas Production	E	15	23	23			38	6	
		3	162143	Over- and Underground Gas Storage	E	15	23	23			38	6	
		4	162144	Design and Construction of Gas Supply Systems	E	22	23	23			45	7	
	Overall for the first semester					4	67	84	69	15		151	23
	Second	Elective courses:	5	162259	Diagnostics and Non-Destructive Control of Gas Pipeline Systems and Installations	E	8	15		15		23	3
			152234	Engineering Geology in the Construction of Pipeline Systems									
		6	162145	Information Management Systems in Gas Supply	E	15	15	15			30	4	
		7	162158	Heating, Ventilation, and Air-Conditioning (HVAC)	E	15	23	15	8		38	6	
		8	162146	Operation and Repair of Gas Supply Systems	И	15	23	23			38	5	
		Overall for the second semester					4	53	76	53	23		129
	Overall for the first year					8	120	160	122	38		280	41
	Second	Third	9	162136	Industrial and Municipal/Domestic Gasification	E	15	23	15	8		38	6
10			162147	Gas Metering and Regulating Equipment	E	15	23	23			38	5	
11				Economy and management of the gas company	CA	8	15	15			23	4	
12			162148	Legislation in Gas Supply	E	15	15	15			30	4	
Overall for the third semester					3+1	53	76	68	8		129	19	
Fourth		13	162161	Pre-diploma practice - 9 days							45		
				Development and defence of the diploma paper								15	
Overall for the second year					3+1	53	76	68	8		174	34	
OVERALL FOR THE FULL COURSE OF STUDY					11+1	173	236	190	46		454	75	

Abbreviations: E - examination; CA -continuous assessment; L - lectures; Lab - laboratory seminars; S -seminars; P - practical seminars; CP – course project.

Parameters of the Curriculum:

Overall teaching hours for the full course:	454 h
Academic load:	409 h
lectures:	173 h
seminars:	236 h
- seminars:	190 h
- laboratory seminars:	46 h
- practical seminars:	0 h
Extracurricular load (practical training):	45 h

Number of exams:	11
Items of continuous assessment:	1