



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:	MANAGEMENT OF THE GAS INFRASTRUCTURE
EDUCATIONAL AND QUALIFICATION DEGREE	MASTER
PROFESIONAL QUALIFICATION	ENGINEER OF GAS INFRASTRUCTURE
FORM OF STUDY	FULL-TIME
DURATION OF STUDY	1.5 YEAR

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

DECAN:
Assoc. Prof. Boris Valchev

Sofia, 2021

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE "MASTER"

COURSE OF STUDY: "MANAGEMENT OF THE GAS INFRASTRUCTURE"

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

FORM OF STUDY: FULL-TIME

DURATION OF STUDY: 1,5 YEARS

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 teaching hours by type of seminar			Overall academic load per semester	Credits acc. to ECTS	
						L	S	S	Lab	PS			
First	First	1	162149	Fundamentals in Gas Exploration and Production	E	2	2	30			60	5	
		2	112142	Properties of Natural Gases and Gaseous Fuels	E	1	2		30		45	3	
		3	162150	Equipment and Technology for the Transport and Distribution of Natural Gas	E	2	3	45			75	6	
		4	162151	Design of Gas Supply Systems	E	3	3	45			75	8	
		5	162152	Course project in Design of Gas Supply Systems			1	15			30		
		6	162153	Use of Gaseous Fuels	E	2	2		30		60	4	
		7	162145	Information Management Systems in Gas Supply	E	2	2	30			60	4	
		8	371300	Physical Education and Sports - OPTIONAL	CA		2*			30*	30*	30*	1*
	Overall for the first semester					6	12	15	165	60		405	30
	Second	9	162154	Reservation of Gas Consumption	E	2	3	30	15		75	6	
		10	162155	Technical Diagnostics and Maintenance of Gas Pipelines and Distribution Systems	E	3	3	30	15		90	7	
		11	162156	Risk Management in Gas Supply	E	2	2	30			60	4	
		12	162157	Rules, Standards, and Codes for the Management of Gas Infrastructure	E	2	3	45			75	6	
		13		Economy and management of the gas company	CA	1	2	30			45	3	
		14	172149	Ecological and Technological Safety and Environmental Impact	CA	2	2	30			60	4	
15		371300	Physical Education and Sports - OPTIONAL	CA		2*		30*	30*	30*	30*	1*	
Overall for the second semester					4+2	12	15	195	30		405	30	
Overall for the first year					10+2	24	30	360	90		810	60	
Second	Third	16	162161	Pre-diploma practice - 15 days						90			
				Development and defence of the diploma paper								15	
OVERALL FOR THE FULL COURSE OF STUDY					10+2	24	30	360	90		900	75	

The credits over 75 are from the course "Sport" and they are marked with (*)

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:	900 h
Academic load:	810 h
lectures:	360 h
seminars:	450 h
- seminars:	360 h
- laboratory seminars:	90 h
- practical seminars:	0 h

Extracurricular load (practical training):	90 h
Number of exams:	10
Items of continuous assessment:	2