



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

FACULTY OF MINING TECHNOLOGY

CURRICULUM

VOCATIONAL FIELD:	5.13. GENERAL ENGINEERING
COURSE OF STUDY:	MANAGEMENT OF RESOURCES AND PRODUCTION SYSTEMS
EDUCATIONAL AND QUALIFICATION DEGREE:	BACHELOR
VOCATIONAL QUALIFICATION:	ENGINEER AND MANAGER
FORM OF STUDY:	FULL-TIME
DURATION OF STUDY:	FOUR YEARS

**Adopted at a session of the Academic Council at the University of Mining and Geology "St. Ivan
Minutes № 11 / 10.07.2017**

HEAD OF DEPARTMENT OF ECONOMICS AND MANAGEMENT: _____
(Prof. Dr. V. Velev)

DEAN: _____
(Prof. Dr. I. Koprev)

SOFIA, 2017

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: BACHELOR
COURSE OF STUDY: MANAGEMENT OF RESOURCES AND PRODUCTION SYSTEMS
VOCATIONAL FIELD: 5.13. GENERAL ENGINEERING

FORM OF STUDY: FULL-TIME

DURATION OF STUDY: 4years

Duration of each semester: 14 weeks; the eighth semester lasts 10 weeks

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Teaching hours (weekly)		Teaching hours per type of seminars (per semester)			Overall teaching hours per semester	Credits	
						L	S	S	Lab	P			
FIRST	First	1	361101	Higher Mathematics, Part I (Linear Algebra and Analytical Geometry)	Exam	2	3	42			70	6	
		2	291101	General Chemistry	Exam	2	2		28		56	5	
		3	371107	Computer Networks and Communications	Exam	2	2		28		56	5	
		4	121120	Production Technologies, Part I - Prospecting and Exploration of Mineral Deposits	Exam	3	1	14			56	8	
		5	271147	Practical Training - 5 days	CA						30	2	
		6	421100	Foreign Language - Optional	CA		3	42			42	3	
			431100	Physical Education and Sports - 2 teach.hrs. per week			2			28	28	1	
	First semester:					4+2	9	13	98	56	28	338	30
	Second	7	361102	Higher Mathematics, Part II (Mathematical Analysis of the Function of One Variable)	Exam	2	3	42			70	6	
		8	271115	Economics	Exam	3	1	14			56	7	
		9	371134	CAD Systems	Exam	1	2		28		42	4	
		10	371172	Practical Training: CAD Systems	CA						0	2	
		11	211115	Production Technologies, Part II - Underground Mining of Mineral Deposits	Exam	3	1	14			56	7	
12		421100	Foreign Language - Optional	CA		3	42			42	3		
13		431100	Physical Education and Sports - 2 teach.hrs. per week	CA		2			28	28	1		
Second semester:					4+3	9	12	112	28	28	294	30	
Overall for the first year:					8+5	18	25	210	84	56	632	60	
SECOND	Third	14	361104	Higher Mathematics, Part III (Multivariate Analysis, Differential Equations, and Mathematical Statistics)	Exam	3	3	42			84	6	
		15	221118	Production Technologies, Part III - Opencast Mining of Mineral Deposits	Exam	3	1	14			56	5	
		16	271107	Economics of the Enterprise	Exam	4	2	28			84	6	
		17	371114	Quantitative Methods in Management	Exam	2	2	28			56	5	
		18	181101	Physics	Exam	2	1		14		42	4	
		19	421100	Foreign Language - Optional	CA		3	42			42	3	
		20	431100	Physical Education and Sports - 2 teach.hrs. per week			2			28	28	1	
	Third semester:					5+1	14	14	154	14	28	392	30
	Fourth	21	251141	Geodesy and Mine Surveying	Exam	2	2		18	10	56	5	
		22	341103	Electrical Engineering and Electronics	Exam	2	2		28		56	5	
		23	271160	Fundamentals of Management	Exam	3	1	14			56	7	
		24	271141	Practical training in a mining enterprise for non-ore minerals, 5 days	CA						30	2	
		25	271111	Finances of the Enterprise	Exam	4	2	28			84	7	
26		271133	Course project in Economics and Finances	CA		2	28			28	3		
27		431143	Physical Education and Sports - 2 teach.hrs. per week	CA		2			28	28	1		
Fourth semester:					4+3	11	11	70	46	38	338	30	
Overall for the second year:					9+4	25	25	224	60	66	730	60	

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Teaching hours (weekly)		Teaching hours per type of seminars (per semester)			Overall teaching hours per semester	Credits
						L	S	S	Lab	P		
THIRD	Fifth	28	241102	Production Technologies, Part IV - Mineral Processing and Recycling	Exam	3	1		14		56	6
		29	371124	Management Information Systems	Exam	2	2		28		56	5
		30	271121	Fundamentals of Accounting	Exam	3	2	28			70	7
		31	271116	Management of the Industrial Enterprise	Exam	3	2	28			70	7
		32	271118	Quality Control	Exam	3	2	28			70	6
	Fifth semester:					5	14	9	76	42	322	31
	Sixth	34	271134	Course project in Management of the Industrial Enterprise	CA		2	28			28	3
		35	271163	Project Management	Exam	3	2	28			70	8
		36	271120	Economic Activity Analysis	Exam	3	2	28			70	8
		37	271125	Civil and Commercial Law	Exam	3	1	14			56	8
			271135	Practical training in a mining enterprise for ore minerals, 5 days	CA						30	2
	Sixth semester:					3+2	9	7	98		254	29
	Overall for the third year:					8+2	23	16	174	42	576	60
	FOURTH	Seventh	38	271153	Entrepreneurship Knowledge	Exam	3	2	14			70
39			271123	Business Planning and Control	Exam	2	2	14			56	5
40			271163	Course project in Business Planning and Control	CA		1	14			14	2
41			271104	Human Resource Management	Exam	3	2	28			70	7
			271161	Fundamentals of Marketing	Exam	3	1	14			56	5
				Optional:	Exam	3	1	14			56	5
			271274	Technological Renovation and Social Dynamics								
			271214	Economic Assessment of Natural Resources								
Seventh semester:					5+1	14	9	98		322	30	
Eighth		42	271124	Business Communications	Exam	2	1	10			30	4
		43	271162	Economic Assessment of the Impact on the Environment	Exam	3	2	20			50	6
		44	261102	Technical Safety	Exam	3	3	30			60	6
		45		Optional:	Exam	2	1	10			30	4
			271242	Legislative Background to the Use of Nature								
		271230	Banking									
Eighth semester:					4	10	7	70		170	20	
State exam											10	
Overall for the fourth year:					9+1	24	16	168		492	60	
OVERALL FOR THE COURSE OF STUDY:					34+12	90	82	776	186	122	2430	240

Abbreviations:

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:	2430 teach. hrs.
Academic load:	2340 teach. hrs.
lectures:	1220 teach. hrs.
seminars:	1120 teach. hrs.
Extracurricular load (practical training):	90 teach. hrs.
Number of exams per course of study:	34
Items of continuous assessment:	12