

University of Mining and Geology "St. Ivan Rilski"

THE FACULTY OF GEO-EXPLORATION

Curriculum

VOCATIONAL FIELD 4.4. EARTH SCIENCES

COURSE OF STUDIES ENVIRONMENTAL RISK ASSESSMENT AND SUSTAINABLE

DEVELOPMENT

MASTER'S DEGREE

VOCATIONAL QUALIFICATION MASTER ECOLOGIST

FORM OF STUDY PART-TIME

DURATION OF STUDY A YEAR AND A HALF (THREE SEMESTERS)

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

HEAD OF DEPARTMENT OF *ENGINEERING GEOECOLOGY* :

(Assoc. Prof. An. Angelov, Ph.D.)

DEAN:

(Assoc. Prof. B. Valchev, Ph.D.)

Sofia, 2021

CURRICULUM

EDUCATIONAL QUALIFICATION DEGREE "MASTER" SPECIALTY "ENVIRONMENTAL RISK ASSESSMENT AND SUSTAINABLE DEVELOPMENT" PROFESSIONAL FIELD 4.4 "EARTH SCIENCES"

FORM OF TRAINING: distance learning DURATION OF STUDY: 1.5 YEARS Duration of the semester: 15 weeks

Duration of the semester. 13 weeks												
Year	Semester	No	Discipline code	Full name of the course (course projects, internships)	Form of control	Weekly hours		Hours by type of exercise			Classroom employment	Credits
					Form of	L	Е	SE	LE	PE	Class	Ore
First	First	1	172127	Environmental chemistry	Е	15	23	8	15		38	5
		2	172170	Environmental risk assessment	Е	15	15	7	8		30	5
		3	172168	Ecotoxicology	Е	22	23	15	8		45	5
		4	172164	Environmental procedures and permit regimes	Е	15	15	15			30	5
		5	172135	Atmosphere and environment	Е	15	15	15			30	5
		6		Elective course from:	Е	15	15					
			142216	Geophysical methods in ecology		15	15	7	8		30	5
			172231	Radioecology		15	15					
		Total for the first semester			6	97	106	67	39		203	30
		7	272154	Sustainable Development	Е	15	15	15			30	4
	Second	8	172169	Waste management	Е	15	23	15	8		38	5
		9	172167	Soil quality management	Е	15	23	15	8		38	6
		10	172158	Biosensors and bioindicators	Е	15	23	8	15		38	5
		11	172166	Water quality management	Е	15	23	8	15		38	5
		12		Elective course from:	Е							
			122244	Geoecological modeling in GIS	CS	7	23	23			30	5
			172236	Management of damaged terrains and landscapes from mining activities	Е	15	15	7	8			
				Total for the second semester	5+1	90	122	68	54		212	30
				Total for the first year	11+1	187	228	135	93		415	60
Second	Third	Undergraduate internship and defense of Diploma Thesis 15 days x 6 ho							nours		45	15
	Total for the second year										45	15
	TOTAL FOR THE ENTIRE TRAINING COURSE				11+1	187	228	135	93		460	75
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Signs: E -exam, CS- current assessment, L - lectures, LE - laboratory exercises, SE- seminar exercises, PE - practical exercises

Parameters of the learning process:

Total hours for the training course: 460

Classroom employment: 460

> 187 Lectures: 228 Exercieses:

135 - seminar 93

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- laboratory

Extracurricular activities (study practices):

11 Number of exams for the training course:

Number of current ratings: