

CURRICULUM
EDUCATIONAL AND QUALIFICATION DEGREE: MASTER
COURSE OF STUDY: UNDERGROUND CONSTRUCTION
VOCATIONAL FIELD: 5.7. ARCHITECTURE, CONSTRUCTION, AND GEODESY

FORM OF STUDY: FULL-TIME

DURATION OF STUDY: 1,5 YEARS

Duration of the semester: 15 weeks

Duration of the third semester: 13 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		Overall academic load per semester	Credits acc. to ECTS	
						L	S	L	S			
First	First	1	232132	Finite Element Method in Construction Work	E	3	3	45	45	90	7	
		2	232111	Building Structures	E	2	3	30	45	75	6	
		3	232112	Course project: Building Structures	CA		1		15	15	2	
		4	232135	Geotechnics	E	3	1	45	15	60	5	
		5	232133	Dynamics and Resistance of Underground Facilities	E	3	2	45	30	75	6	
		6	232136	Engineering Software	E	1	2	15	30	45	4	
	Overall for the first semester					5+1	12	12	180	180	360	30
	Second	7	232137	Technology for Constructing Underground	E	3	1	45	15	60	5	
		8	232138	Constructions for Underground Facilities	E	4	3	60	45	105	8	
		9	232139	Special Methods for Underground Construction	E	3	1	45	15	60	5	
		10	232140	Blasting Production Processes	E	3	3	45	45	90	7	
11		232134	Hydro-Insulating Materials for Underground Facilities	E	2	2	30	30	60	5		
Overall for the second semester					5	15	10	225	150	375	30	
Overall for the first year					10+1	27	22	405	330	735	60	
Second	Third - 13 weeks	12	232150	Underground Urban Construction	E	4	4	52	52	104	8	
		13	232151	Course project: Underground Urban Construction	CA		1		13	13	2	
		14	232141	Waste Disposal Sites and Soil Remediation	E	3	3	39	39	78	6	
		15	232142	Conservation, Closing Down, and Recultivation of Mines and Underground Facilities	E	3	3	39	39	78	6	
		16	232152	Pre-diploma practice - 10 days	CA					60	2	
		Overall for the third semester					3+2	10	11	130	143	333
	Development and defence of the diploma paper											15
Overall for the second year					3+2	7	11	130	143	333	39	
OVERALL FOR THE FULL COURSE OF STUDY					13+3	34	33	535	473	1068	99	

Abbreviations: E - examination; CA -continuous assessment; L - lectures; S -seminars

Parameters of the Curriculum:

Overall teaching hours for the full course of study: 1068

Academic load: 1008

lectures: 535

seminars: 473

Extracurricular load (practical training): 60

Number of exams: 13

Items of continuous assessment: 3