

CURRICULUM
MASTER'S DEGREE IN HYDROGEOLOGY

Year	Semester	№	Course unit code	Full name of the course unit (course projects, practical trainings)	Form of control	Teaching hours/week		Total	Credits	
						L	S			
First	I	1	152120	Underground hydrodynamics (selected chapters)	Exam	3	3	6	6.2	
		2	112121	GIS in hydrogeology	Exam	3	2	5	5.2	
		3	152121	Mineral waters and hydrogeothermics	Exam	2	2	4	4.2	
		4	152122	Karst hydrogeology	Exam	2	1	3	3.2	
		5	152123	Groundwater intakes	Exam	2	2	4	4.2	
	Total for the 1st semester						12	10	22	23
	II	6	152124	Rockmass properties	Exam	3	3	6	6.9	
		7	152125	Isotope hydrogeology	Exam	2	1	3	3,5	
		8	152126	Fluid extraction of geothermal energy and mineral deposits	Exam	2	3	5	5.8	
		9	152127	Hydrogeological monitoring	Exam	2	3	5	5.8	
Total for the 2nd semester						9	12	21	22	
Total for the 1st year						21	22	43	45	
AAdditional courses for students from other courses of study and higher schools (UMG, SU, UACG and others.)*										
Second	A. REQUIRED									
		10	151103	Groundwater dynamics	Exam	4	4	8	9,0	
		11	151105	Groundwater prospecting	Exam	3	4	7	7,0	
		12	151101	General geology	Exam	4	3	6	9,0	
		13	151111	Groundwater protection	Exam	3	3	6	5,0	
		14	151110	Groundwater in Bulgaria	Exam	3	2	6	4,2	
	B. ELECTIVE									
		15	292213	Hydrochemistry - selected chapters (for students with engineering background)	Exam	3	2	5	5,5	
		16	232206	Hydraulics - selected chapters (for students with geological background)	Exam	3	2	6	6,4	
	III	Pre-diploma practice - 21 days								
		Diploma Thesis, Seminar and Defence of the Diploma thesis - 15 weeks								
	Credits for defence of the thesis									15
	Total credits for the full course of study									60

NOTICE: Every semester consists 15 weeks.

(*) - Education in individual plan