

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER
 COURSE OF STUDY: OIL AND GAS PRODUCTION, TRANSPORT AND STORAGE
 VOCATIONAL FIELD: 5.8. EXPLORATION, MINING, AND PROCESSING OF MINERALS

FORM OF STUDY: FULL-TIME
 DURATION OF STUDY: 1.5 year
 Duration of the semester: 15 weeks

Year	Semester	N	Course unit code	Full name of the course unit (course projects, practical trainings)	Form of control	Teaching hours (weekly)		Teaching hours per type of seminars			Total	Credits	
						L	S	S	Lab	P			
First	First	1	162119	Well Design (Oil and Gas Drilling)	E	3	3	3	-	-	90	8	
		2	262118	Numerical Methods in Drilling and Petroleum Engineering	E	2	2	2	-	-	60	5	
		3	162122	Oil & Gas Well Production System Design	E	3	2	2	-	-	75	6	
		4 ^A	112239	Reservoir Geology and Rock properties & Reservoir Fluids	E	2	2	2	-	-	60	5	
		4 ^B	352232	Thermal and Mass exchange processes and equipment	E	2	2	2	-	-	60	5	
		5	162123	Process engineering/surface facilities	E	3	2	2	-	-	75	6	
	Overall for the 1st semester:					5	13	11	11	-	-	360	30
	Second	6	162124	Computer application in drilling and petroleum engineering	TO	-	4	-	4	-	60	6	
		7	162127	Oil and Gas Storage	E	3	3	3	-	-	90	8	
		8	162128	Oil and Gas Pipeline System Design	E	3	3	3	-	-	90	8	
9		162129	Gas Supply Engineering	E	2	4	4	-	-	90	8		
Overall for the 2nd semester:					3+1	8	14	10	4	-	330	30	
Overall for the first year:					8+1	21	25	21	4	-	690	60	
Second	Third	10	162130	Pipeline Services & Exploration	E	3	3	3	-	-	90	8	
		11	172174	Health, Safety and Environment Protection	CA	2	1	1	-	-	45	3,5	
		12	272144	Concession, Licence and Patent Legislation	CA	2	1	1	-	-	45	3,5	
		13	162146	Diploma Thesis Field Practice - 30 days	-	-	-	-	-	180*	180*	-	
	Overall for the 3rd semester:					1+2	7	5	5	-	180*	360 /180+180*	15
Diploma thesis preparation and defense:					-	-	-	-	-	-	-	15	
Overall for the second year:					1+2	7	5	5	-	180*	360 /180+180*	30	
OVERALL FOR THE FULL COURSE OF STUDY:					9+3	28	30	26	4	180*	1050 /870+180*	90	
						420	630/450+180*						

PARAMETERS OF THE CURRICULUM

Overall teaching hours: 1050/870+180*, as follows:

Lectures - 420 h.

Seminars - 450 h.

- Seminars - 390 h.

- Lab practice - 60 h.

Assessment - 180* h.

- Diploma thesis practice - 180* h (30 days x 6 h.)

Abbreviations: E - exam; CA - continuous assessment; L - lectures; S - seminars; Lab - lab practice; S - seminar, CP - course project.