

CURRICULUM

EDUCATIONAL AND QUALIFICATION DEGREE: MASTER
 COURSE OF STUDY: PETROLEUM ENGINEERING
 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	Nr.	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	Pr			
First	First	1	162119	Well Design (Oil and Gas Drilling)	E	3	3	3	-	-	90	8	
		2	162120	Borehole Design (Core Drilling)	E	3	3	3	-	-	90	8	
		3	162122	Oil & Gas Well Production System Design	E	3	2	2	-	-	75	6	
		4	162123	Process engineering/surface facilities	E	3	2	2	-	-	75	6	
		5	162121	Advanced Drilling Technologies	E	2	2	2	-	-	60	5	
	Overall for the 1st semester:					5	14	12	12	-	-	390	33
	Second	6	162124	Computer application in drilling and petroleum engineering	CA	-	4	-	4	-	-	60	6
		7	162127	Oil and Gas Storage	E	3	3	3	-	-	90	8	
		8	142142	Well logging	E	3	3	3	-	-	90	8	
		9	162126	Directional and Horizontal Drilling	E	3	3	3	-	-	90	8	
Overall for the 2nd semester:					3+1	9	13	9	4	-	330	30	
Overall for the first year:					8+1	23	25	21	4	-	720	63	
Second	Third	10 ^A	162225	Geothermal drilling	E	3	3	3	-	-	90	8	
		10 ^B	292209	Fundamentals of Petroleum Refining	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	5/2	0/3	180*	360 /180+180*	15
	Diploma thesis preparation and defense:					-	-	-	-	-	-	-	15
Overall for the second year:					1+2	7	5	5/2	0/3	180*	360 /180+180*	30	
OVERALL FOR THE FULL COURSE OF STUDY:					9+3	30 450	30	26/23 630/450+180*	4/7	180*	1080 /900+180*	93	

PARAMETERS OF THE CURRICULUM

Overall teaching hours: 1080/900+180*, as follows:

- Lectures - 450 hrs.
- Seminars - 450 hrs.
 - Seminars – 390/345 hrs.
 - Lab practice – 60/105 hrs.
- Assessment - 180* hrs.
 - Diploma thesis practice - 180* hrs (30 days x 6 hrs.)

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