



APPROVED
Chairman of the Management Board
of KazNU named after K.Satpayev
M.M. Begentaev
«28» 06 2021 y.

CURRICULUM
of Educational Program on enrollment for 2021-2022 academic year

Educational program 7M07220 - "Oil and gas geology"
Group of educational programs M121 - "Geology"

Form of study: full-time

Duration of study: 1,5 year

Academic degree: Master of Engineering and Technology

Discipline code	Name of disciplines	Cycle	Total amount in credits	Total hours	Classroom amount lec/lab/pr	SIS (including TSIS) in hours	Form of control	Allocation of face-to-face training based on courses and semesters		
								I course		2 course
								1 semester	2 semester	3 semester
CYCLE OF BASIC DISCIPLINES (BD)										
M-1. Module of basic training (university component)										
LNG212	English (professional)	BD UC	2	60	0/0/2	30	E	2		
MNG726	Management	BD UC	2	60	1/0/1	30	E	2		
HUM211	Management Psychology	BD UC	2	60	1/0/1	30	E	2		
Component of choice										
GEO751	Lithology of reservoir of oil and gas	BD CCH	4	120	2/0/1	75	E	4		
GEO752	Oil and gas hydrogeology									
GEO275	Oil and gas systems	BD CCH	5	150	2/0/1	105	E	5		
GEO704	Interpretation of geological and geophysical data for the purpose of estimating oil and gas reserves and resources									
CYCLE OF PROFILE DISCIPLINES (PD)										
M-2. Module of professional activity (university component)										
GEO263	Analysis of sedimentary basins	PD UC	5	150	2/0/1	105	E	5		
GEO294	Reservoir filtration properties of reservoirs and enhanced oil recovery	PD UC	5	150	2/0/1	105	E	5		
GEO746	Theoretical and methodological patterns of allocation of resources and hydrocarbon reserves on the shelf and water area	PD UC	5	150	2/0/1	105	E		5	
GEO291	Regional tectonics of oil and gas bearing areas	PD UC	5	150	2/0/1	105	E		5	
GEO295	Geo-modeling of flows and sources of oil and gas generation	PD UC	5	150	2/0/1	105	E		5	
GEO292	Forecasting and evaluation of oil and gas resources	PD UC	5	150	2/0/1	105	E		5	
GEO293	Methods of paleotectonic analysis	PD UC	5	150	2/0/1	105	E		5	
GEO745	Sedimentation and facies conditions during the formation of oil and gas complexes	PD UC	5	150	2/0/1	105	E	5		
M-3. Practice-oriented module										
AAP253	Production practice	PD, CCH	5						5	
M-4. Experimental research module										
AAP249	Experimental research work of a master's student, including internship and implementation of a master's project	ERWM UC	18							18
M-5. Module of final attestation										
ECA209	Registration and protection of the master's project (RaPMP)	FA	12							12
Total based on UNIVERSITY:								30	30	30
								60		30

Number of credits for the entire period of study				
Cycle code	Cycles of disciplines	Credits		
		university component (UC)	component of choice (CCH)	Total
BD	Cycle of basic disciplines	6	9	15
PD	Cycle of profile disciplines	10	35	45
	Total for theoretical training:	0	44	60
	ERWM			18
FA	Final attestation	12		12
	TOTAL:	12	44	90