



MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN
KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY named after K.SATPAEV



APPROVED
Chairman of the Management Board
Rectory of Kazntu named after K.Satpayev
M.M. Begentaev
2022 y.

CURRICULUM
of Educational Program on enrollment for 2022-2023 academic year
Educational program 7M07220 - "Petroleum 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		
								1 course	2 course	3 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 sedimentogenesis and organic geochemistry (university component)										
GEO263	Analysis of sedimentary basins	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	
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. Module of Geological exploration and resource assessment										
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	
GEO294	Reservoir filtration properties of reservoirs and enhanced oil recovery	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	
M-4. Practice-oriented module										
AAP253	Production practice	PD, UC	5						5	
M-5. 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-6. 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

Cycle code	Cycles of disciplines	Credits			Total
		university component (UC)	component of choice (CCH)		
BD	Cycle of basic disciplines		9		15
PD	Cycle of profile disciplines	45			45
	<i>Total for theoretical training:</i>	0	9		60
	ERWM				18
	FA	12			12
	TOTAL:	12	9		90

Decision of the Academic Council of Kazntu named after K.Satpayev. Protocol № 15 от 18 " 04 " 2022 y.

Decision of the Educational and Methodological Council of Kazntu named after K.Satpayev. Protocol № 9 от "26" 04 2022 y.

Decision of the Academic Council of the Institute _____, Protocol № 4 от "30" 12 2021 y.

Vice-Rector for Academic Affairs

Director of Geology, petroleum and mining engineering Institute

Department Head of "Hydrogeology, engineering and petroleum geology"

Specialty Council from employers

Zhautikov B.A.

Syzdykov A.H.

Yensepbayev T.A.

Zholtaev G.Zh.