



**SATBAYEV
UNIVERSITY**



CURRICULUM
of Educational Program on enrollment for 2023-2024 spring academic year

Educational program 8D07104 - "Oil and gas and ore Geophysics"
Group of educational programs D109 - "Oil and ore Geophysics"

Form of study: full-time

Duration of study: 3 year

Academic degree: Doctor of Philosophy PhD

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		
								1 semester	2 semester	3 semester	4 semester	5 semester	6 semester
CYCLE OF BASIC DISCIPLINES (BD)													
M-1. Module of basic training (university component)													
MET322	Scientific research methods	BD UC	5	150	2/0/1	105	E		5				
LNG305	Academic writing	BD UC	5	150	0/0/3	105	E		5				
component of choice													
GPH324	Systematic approach to the study of oil and gas reservious	BD CCHBD CCH	5	150	2/0/1	105	E		5				
GPH301	3D static (geological) modeling and hydrocarbon deposits/reserves evaluation based on integrated interpretation of geological and geophysical data												
GPH302	Geological section prediction and mineral deposits reserves evaluation												
CYCLE OF PROFILE DISCIPLINES (PD)													
M-2. Module of professional activity (component of choice)													
GPH325	A systems concept to forecasting and typing of solid mineral deposits	PD, CCH	5	150	2/0/1	105	E		5				
GPH304	Theoretical background for interpretation of potential fields												
GPH305	Theory and practice of analysis of possible geophysical fields and geological modeling.												
GPH326	Field-geophysical control over the development of hydrocarbon deposits	PD, CCH	5	150	2/0/1	105	E		5				
GPH315	Integrated geological and geophysical research for the purpose of prospecting and exploration of unconventional reservoirs												
GPH322	Simulation of geological environments on geophysical												
M-3. Practice-oriented module													
AAP350	Pedagogical practice	BD UC	10						10				
AAP355	Research practice	PD UC	10							10			
M-4. Experimental research module													
AAP336	Research work of a doctoral candidate, including internships and completion of a doctoral dissertation	RWDS UC	5						5				
AAP347	Research work of a doctoral candidate, including internships and completion of a doctoral dissertation	RWDS UC	40						20	20			

AAP356	Research work of a doctoral candidate, including internships and completion of a doctoral dissertation	RWDS UC	60									30	30		
AAP348	Research work of a doctoral candidate, including internships and completion of a doctoral dissertation	RWDS UC	18											18	
M-5. Module of final attestation															
ECA303	Writing and defending a doctoral dissertation	FA	12											12	
Total based on UNIVERSITY:										30	30	30	30	30	30
										60		60		60	

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		20	5	25	
PD	Cycle of profile disciplines		10	10	20	
	<i>Total for theoretical training:</i>	<i>0</i>	<i>30</i>	<i>15</i>	<i>45</i>	
	RWDS				<i>123</i>	
FA	Final attestation		12		12	
	TOTAL:		12	30	15	180

Decision of the Academic Council of Kazntu named after K.Satpayev. Protocol № 3 " 27 " 10 2022 y.

Decision of the Educational and Methodological Council of Kazntu named after K.Satpayev. Protocol № 2 " 21 " 10 2022 y.

Decision of the Academic Council of the Institute _____, Protocol № 2 " 14 " 10 2022 y.

Vice-Rector for Academic Affairs

B.A. Zhaufikov

Institute Director

A.H. Syzdykov

Department Head of Geophysics and Seismology

B.T. Ratov

Specialty Council representative from employers

D.M. Khitrov