



WORKING CURRICULUM

Education program "Oil and gas geology 7M07207"
 Group of Educational Programs "Geology M121"
 enrolment for 2021 - 2022 academic year

Form of study: daytime

Term of study: 2 years

Academic degree: Master of engineering science

year of study	Code	Name of course	Component	Academic credits	Total hours	lecture/laboratory/practice/MSIW	SIS (including SIST), in hours	Prerequisites	Code	Name of course	Component	Academic credits	Total hours	lecture/laboratory/practice/IWS	SIS (including SIST), in hours	Prerequisites
1	1 semester								2 semester							
	LNG210	Foreign language (professional)	BD IC	5	150	0/0/3	105		AAP244	Pedagogical practice	BD IC	4				
	HUM208	Management psychology	BD IC	3	90	1/0/1	60		HUM210	History and philosophy of science	BD IC	4	120	1/0/1	90	
	GEO299	Petroleum hydrogeology	BD OC	5	150	2/0/1	105		HUM209	Higher school pedagogy	BD IC	4	120	1/0/1	90	
	GEO704	Interpretation of geological and geophysical data for the purpose of estimating oil and gas reserves and resources	BD OC	5	150	2/0/1	105		GEO743	Lithology of reservoir of oil and gas	BD OC	5	150	2/0/1	105	
	GEO287	Organic Geochemistry and Paleobiomarkers	PS IC	5	120	1/0/1	90		GEO263	Analysis of sedimentary basins	PS IC	5	150	2/0/1	105	
	GEO742	Aerospace methods in the search for oil and gas fields	PS IC	5	120	1/0/1	90		GEO703	Paleo-temperature regimes of the subsoil, the genesis and migration of hydrocarbons	PS OC	5	150	2/0/1	105	
	AAP242	Master's student scientific research, including an internship and a master's thesis.	MSSR	6					AAP242	Master's student scientific research, including an internship and a master's thesis.	MSSR	6				
	In total			34					In total			33				
2	3 semester								4 semester							
	GEO292	Forecasting and estimation of oil and gas resources	PS OC	5	150	2/0/1	105		AAP236	Research scientific training	PS	7				
	GEO701	Geostatistics in field geological research	PS OC	5	150	2/0/1	105		ECA205	Registration and defense of the master's thesis (RaDMT)	FA	12				
	GEO744	Regional and local modeling of the evolution of sedimentary basins	PS OC	5	150	2/0/1	105									
	GEO745	Sedimentation and facies conditions during the formation of oil and gas complexes	PS OC	5	150	2/0/1	105									
	GEO746	Theoretical and methodological patterns of allocation of resources and hydrocarbon reserves on the shelf and water area	PS OC	5	150	2/0/1	105									
AAP242	Master's student scientific research, including an internship and a master's thesis.	MSSR	6					AAP242	Master's student scientific research, including an internship and a master's thesis.	MSSR	6					
	In total			31					In total			25				

Number of credits for the whole period of study	
Cycles of disciplines	Credits
A cycle of basic disciplines (BD IC, BD OC)	35
A cycle of principal subjects (PS IC, PS OC)	52
All on the theoretical classes:	87
MSSR	24
Registration and defense of the master's thesis (RaDMT)	12
In total	123

Decision of the Academic Board of Satbayev University. Protocol No. 3 of " 25 " 06 2021

Decision of the Academic Board of the Institute Protocol No. 5 of " 28 " 12 2021.

Vice-rector for Academic Affairs Zhautilkov B.A.

Director of the Institute Syzdykov A.K.

Head of the Department Yensepbayev T.A.