



WORKING CURRICULUM

of the educational program for 2021-2022 academic year admission
Educational program 7M07218 - "Geology and exploration of solid mineral deposits"
Group of Educational programs M121 - "Geology"

Full-time study

Study duration: 1,5 years

Academic degree: master of engineering and technologies

year of study	Code	Name of course	Component	Academic credits	Total hours	audience volume, lec/ lab/ pr	SIW (including SIWT) in hours	Prerequisites	Code	Name of course	Component	Academic credits	Total hours	audience volume, lec/ lab/ pr	SIW (including SIWT) in hours	Prerequisites
1 semester								2 semester								
1	LNG211	Foreign language (professional)	BD IC	5	150	0/0/3	105		GEO223	Methods of lithological research	PD OC	5	150	2/0/1	105	
	MNG725	Management	BD IC	3	90	1/0/1	60		GEO212	Geochemistry of radioactive elements	PD OC	5	150	2/0/1	105	
	HUM208	Management Psychology	BD IC	3	90	1/0/1	60		GEO220	Metallogeny and ore formations of Kazakhstan	PD OC	5	150	2/0/1	105	
	GEO209	Geological modeling of mineral deposits	BD OC	5	150	2/0/1	105		GEO208	The geological structure of ore fields and deposits	PD OC	5	150	2/0/1	105	
	GEO485	Genesis of the main industrial deposits			150	2/0/1	105	GEO231	Basics of petrology	150			2/0/1	105		
	GEO218	Mineral deposits of Kazakhstan	PD OC	5	150	2/0/1	105		GEO306	Petrochemistry	PD OC	5	150	2/0/1	105	
	GEO246	Ecological geology			150	2/0/1	105	GEO240	Regional geology of the UIC	150			2/0/1	105		
	GEO283	Actual problems of stratigraphy			150	2/0/1	105	GEO214	Advanced well logging	150			2/0/1	105		
	GEO709	Geotectonics with geodynamics basics	PD OC	5	150	2/0/1	105		GEO211	GIS uranium deposits	PD OC	5	150	2/0/1	105	
	GEO227	Mineralogy of radioactive and rare earth elements			150	2/0/1	105	GEO483	Actual problems of modern subsurface	150			2/0/1	105		
GEO714	Geology of uranium deposits	150			2/0/1	105	GEO210	Geological support of subsoil use	150	2/0/1			105			
								GEO212	Geochemistry of radioactive elements			150	2/0/1	105		
								AAP220	Master's student experimental research work, including internship and master's project implementation	MSERW	4					
	In total			26				In total			29					
3 semester																
2	AAP252	Work placement	PD OC	10												
	AAP221	Master's student experimental research work, including internship and master's project implementation	MSERW	14												
	ECA206	Registration and defense of the master's thesis	FA	12												
	In total			36												


Decision of the Academic Board of KazNRTU after K. Satbayev. Protocol No. 3 of 25 06 2021

Decision of the Academic Board of the Institute GPML Protocol No. 5 of 24 12 2020

Vice-Rector for Academic Affairs  B. Zhautikov

Director of the Institute  A. Syzdykov

Head of the Department  A. Bekbotayeva

Representative of Specialty council  A. Zhunusov

Number of credits for the whole period of study	
Cycles of disciplines	Credits
The cycle of general education	0
A cycle of basic disciplines (BD IC, BD OC)	21
A cycle of profile disciplines (PD IC, PS OC)	40
All on the theoretical classes:	61
MSERW	18
Registration and defense of the master's thesis	12
In total	91