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



Rector of KazyRTU named after K. Sätpaeva Begentaev M.M.

202/y

19-2020 academia vace

MODULAR EDUCATIONAL PROGRAM for admission for the 2019-2020 academic y Educational program 7M07203 - "Mining Engineering"

Group of educational programs M116 - "Mining Engineering"

	Discipline	udy: daytime Study duration: 2 years Name of disciplines	_	Cycle	Credits	Total			ing Science	
	Code	Name of disciplines	semester	Cycle	Credits	hours	classroom volume lx / lab / pr	ISW (including ISWT) in hours	form of control.	Competencie
_				ng module	ee o kanaa ay	2 ⁿ 10.10	v = 19°° = ∞ 0	6 5 7 - 2 - 10		
	LNG205	Foreign language (professional)	ersity c	BD IC	5	150	0/0/3	105	E	
	HUM201	History and philosophy of science	1	BD IC	4	90	1/0/1	60	E E	no
-	HUM205	Higher education pedagogy	1	BD IC	4	90	1/0/1	60		no
	HUM204	Psychology of management	1	BD IC	4	90			E	no
_	110101204	Required Comp	onont /				1/0/1	60	Е	no
10.5	MIN250	Innovative methods of drilling and blasting	I							MIN442
_	MIN278	Technology of integrated development of underground space	1	BD OC	5	150	2/0/1	105	E	MIN101
_		Geotechnological processes in the development of mineral				1.00				
	MIN260	deposits	2	BD OC	5	150	2/0/1	105		MIN101
-	MIN280	Process regulations and mining planning	1 4	BDOC	3	130	2/0/1	105	E	1 (1) (1)
	MIN259	Continuous Career Design Methodology	+						 	MIN101
	IVIIIVZJY		2	BD OC	5	150	2/0/1	105	E	MIN101
	MIN271	Innovative methods of securing mining and underground structures		BDOC]	130	2/0/1	103	E	MIN101
			ofile tr	aining mod	الله					
		Required Co				nice				
	MAT232	Mathematical modeling of engineering problems (Python MatLab)	1	PD RC	5	90	1/0/1	60	Е	MIN101
	MIN268	Digital technology in mining SMART Mine	1	PD RC	5	150	1/0/2	105	Е	MIN101
-	MIN281	The development of the construction of shafts								MIN448
	MIN282	Mining fastenings in the construction of underground structures	2	PD OC	4	90	1/0/1	60	Е	MIN448
-	MIN283	Subsoil Code and rights regimes in subsoil use	-							MIN101
	MIN284	Resource Saving Integrated Mineral Resources	2	PD RC	4	90	1/0/1	60	E	
	MIN253	Technology of construction of metropolitan	_							MIN101
	WIIINZSS		3	PD OC	5	150	2/0/1	105		MIN448
	MIN285	Modernization of the processes of horizontal and inclined mine workings	,	FDOC	3	150	2/0/1	105	Е	MIN448
+	MIN273	Design of underground mines	3	PD OC	5	150	2/0/1	105	Е	MIN101
4	MIN211	Methodology of designing of underground construction		1200		150	2/0/1	103	L	MIN448
	MIN286	Highly safe mining operations in deep quarries			~					MIN101
	MIN287	Intensification of reclamation of lands disturbed by open-pit mining	3	PD OC	4	90	1/0/1	60	Е	MIN101
-	MIN290	Technology of laying-of the develped space	3	PD OC	4	90	1/0/1	60	Е	MIN448
4	MIN289	Mining management	,	1000	1	90	1/0/1	00	E	MIN101
	MIN296	Rational technologies for development of placer deposits	3	PD OC	4	90	1/0/1	60	Е	MIN101
	MIN288	Mining Production Analytics		1500	7	20	1/0/1	00	ь	MIN101
4		Pra		riented mo						
+	AAP228	Pedagogical practice	1	BD IC	3				Report	
+	AAP233	Research practice	1 4	PD OC	9 dula				Report	
+	AAP226	Research work of a master's student	2	NIRM	dule 7				Danort	
+							2.0		Report	
_		Research work of a master's student	3	NIRM	8	16			Report	
_	AAP226	Research work of a master's student	4	NIRM	9	21	18 1911 1	THE STATE OF THE S	Report	
4				ication mo		F1				- 1
+	ECA202			d compone						
	ECA203	Registration and defense of a master's thesis	4	IA	12				Defense of	
- 1					- 1				dissertations	

 The number of credits for the entire period of study

 Discipline cycles
 Credits

 Cycle of basic disciplines (BD IC, BD OC)
 35

 Cycle of majors (PD OC, PS OC)
 49

 Total theoretical training:
 84

 MSSR
 24

 Registration and defense of a master's thesis
 12

 TOTAL:
 120

The decision of the Academic Council of KazNRTU named after K. Satpaeva. Protocol No. 20 of " Ub 20 of y Decision of the Academic Council of the Institute Protocol No. 5 of " Ub 20 of y.

Vice-Rector for Academic Affairs

Director of the Institute

Head of the Department

Representative of the Specialty Council from employers

B.A. Zhautikov

K.B.Rysbekov

S.K.Moldabaev

N.S.Buktukov