



Approved by:
 Rector of Satbayev University
 Beyssembetov I.K.

WORKING CURRICULUM
 Educational program - 7M07203 - "Mining Engineering"
 enrolment for 2020- 2021 academic year M116- "Mining Engineering"
 Full-time study Term of study: 2 year Academic degree: Master of Engineering and Technology (profile direction)

year of study	Code	Name of course	Component	Credits	lecture/ laboratory/ practice/sis	Prerequisites	Code	Name of course	Component	Credits	lecture/ laboratory/ practice/sis	Prerequisites
1 semester						2 semester						
1	LNG202	Foreign language (professional)	BD IC	6	0/0/3/3		AAP244	Pedagogical practice	BD IC	4	0/0/2/2	
	MIN283	Subsoil Code and rights regimes in subsoil use	PS IC	4	1/0/1/2		HUM201	History and philosophy of science	BD IC	4	1/0/1/2	
	HUM204	Management psychology	BD IC	4	1/0/1/2		HUM207	Higher school pedagogy	BD IC	4	1/0/1/2	
	MIN258	Innovative methods of drilling and blasting operations	BD OC	6	2/0/1/3		MIN260	Geotechnological processes in the development of mineral deposits	BD OC	6	2/0/1/3	
	MIN278	Technology of integrated development of underground space				MIN280	Process regulations and mining planning					
	MIN268	Digital technology in mining SMART Mine	PS IC	6	1/0/2/3		MIN261	Rational technology of vertical mining	BD OC	6	2/0/1/3	
	AAP242	Master's student scientific research, including an internship and a master's thesis.	MSSR	6		MIN271	Innovative methods of securing mining and underground structures					
							MIN259	Continuous Career Design Methodology	PS IC	6	2/0/1/3	
						AAP242	Master's student scientific research, including an internship and a master's thesis.	MSSR	6			
		In total:		32			In total:		36			
3 semester						4 semester						
2	MIN273	Design of underground mines	PS OC	6	2/0/1/3		AAP242	Master's student scientific research, including an internship and a master's thesis.	MSSR	6		
	MIN211	Methodology for the construction of underground structures										
	MIN253	Metro Underground Construction Technology	PS OC	6	2/0/1/3		AAP236	Research scientific training	PS	7		
	MIN285	Modernization of the processes of horizontal and inclined mine workings										
	MIN286	Highly safe mining operations in deep quarries	PS OC	6	2/0/1/3		ECA205	Registration and defense of the master's thesis (RaDMT)	FA	12		
	MIN287	Intensification of reclamation of lands disturbed by open-pit mining										
	MIN295	Technology of laying-of the developed space	PS OC	6	2/0/1/3							
	MIN296	Rational technologies for development of placer deposits										
	MIN284	Resource Saving Integrated Mineral Resources	PS OC	6	2/0/1/3							
	MIN294	Methods of coal mining in sections										
AAP242	Master's student scientific research, including an internship and a master's thesis.	MSSR	6									
							In total:		25			
		In total:		36								

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)	40
A cycle of principal subjects (PS IC, PS OC)	53
All on the theoretical classes:	93
MSSR	24
Registration and defense of the master's thesis (RaDMT)	12
In total	129

Decision of the Academic Board of Satbayev University. Protocol No. 14 of "25" 06 2020
 Decision of the Academic Board of the Institute of Geology, Oil and mining Protocol No. 9 of "22" 05 2020.

Vice-Rector for Science and Educational Affairs D.K. Naurzybaeva
 Chairman of the academic planning Committee K.B. Tulegenova
 Director of the Institute of Geology, Oil and mining K.B. Rysbekov
 Head of the Department "Mining" S.K. Moldabaiev