

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

CURRICULUM

(Enrolment 2020)

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by Academic Council	Level	PhD		Form of study	full-time
Igor Sikorsky Kyiv Polytechnic Institute (meeting protocol № from 2020)	Speciality	184 Mining	· 	Qualification	(full-time, part-time) Philosophy Doctor
Head of Academic Council	Educational ar	nd Scientific program		Study duration	4 years
Mykhaylo ILCHENKO		Geoengine	ering	Base level	Master degree
	Graduation De	Geoengn	Energy Management	Educational compone	ent 40 ECTS Credits
		Schedule	of study		

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I. Educational component

S	Summar	ry table of	time bu	dget (We	eeks)
YEAR	Learning period	Examination	Internship	Holiday	Total
Í	28	5		9	42
II	26	5	2	9	42

	Plan of Ec	lucatio	nal pro	cess											
		Dist	ributio seme)	n for te sters)	erms	v	Number of hours								
Φ			S	ask	test	Credits		Lect	ures/prad lessons		λ				
Code	Educational components	Exams	Final tests	Individual task	Module te	ECTS C	Total	Lectures	Practical	Laboratory	Self-study				
1	2	3	4	5	6	7	8	9	10	11	12				
	1. Norma	tive co	mpor	nents											
	1.1. Gene	ral tra	ining	cycle											
301	Philosophical principles of scientific activity	2	1	2	1	6	180	31	49		100				
302	Foreign language for scientific activity	2	1	1	1	6	180		75		105				
	1.2. Vocational training cycle														
303	Geomechanical Processes in Rock Ranges	3			3	6	180	26	39		115				

304	Mathematical Modelling of Geomechanical Processes		3,4	3		6	180	31	44		105	
ПО1	Organization of scientific and innovative activities		2	2	2	4	120	36	18		66	
ПО2	Teaching practice		3			2	60					
	TOTAL of NORMATIVE educational components	3	6	4	4	30	900	124	225		551	
2. Elective components												
	2. Electiv	ve cor	npone	ents								
B1	2. Electiv Educational component 1 F	e cor	npone 4	ents 4		5	150	36	18		96	
B1 B2		e cor	npone 4 4	ents 4 4		5 5	150 150	36 36	18 18		96 96	
	Educational component 1 F		4 4 2	4 4 2		5 5 10						

	II. Scientific component	
YEAR	The content of the graduate student's scientific work	Forms of control (Reporting)
1st year	Choosing and justification the topic of your own scientific research, defining the content, deadlines and scope of scientific work; selection and substantiation of the methodology for conducting one's own scientific research, the implementation of inspection and analysis of existing views and approaches that have developed in modern science in the chosen direction. Ttraining and publication of at least 1 article (usually a review article) in scientific journals (domestic or foreign) on the research topic; participation in scientific and practical conferences (seminars) with the publication of abstracts.	Approval of the individual work plan of the graduate student at the academic council of the institute / faculty, reporting on the progress of the individual plan of the graduate student twice a year
2nd year	Conducting, under the guidance of a scientific supervisor, one's own scientific research, which involves solving research problems by applying a complex of theoretical and empirical methods	Report on the progress of the individual plan of the graduate student twice a year
3rd year	Analysis and generalization of the obtained results of own scientific research; substantiation of the scientific novelty of the results obtained, their theoretical and / or practical significance.	Report on the progress of the individual plan of the graduate student twice a year
4th year	Registration of scientific achievements of a graduate student in the form of a dissertation, summing up the completeness of coverage of the results of the dissertation in scientific articles according to the current requirements. Implementation of the results obtained and obtaining supporting documents. Submission of documents for preliminary examination of the dissertation. Preparation of a scientific report for graduation certification (protection of the dissertation).	Report on the progress of the individual plan of the graduate student twice a year. Providing an opinion on scientific novelty, theoretical and practical significance of the results of the dissertation.

Head of the Scientific an	nd Methodical Board of Speciality	/ <u>Kravets V. G.</u> /
Head of the Department	/ Kruchkov A.I. /	
Dean of the Faculty	/ Denisuk S.P./	