"Approved" President

Master of Science

(level of higher education)

according to educational-research program

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

(proprietor)

V.N. Karazin Kharkiv National University

(university)

EDUCATIONAL PLAN for 2019-2021

area of knowledge 11 Mathematics and statistics (code and title of area of knowledge)

111 Mathematics

(code and title of speciality) Pure mathematics (the English language of instruction) (code and title of program)

specialization_

Training of

speciality

(code and title of specialization)

Form of education full-time

(full-time, by correspondence, distance)

I. TIME-TABLE OF EDUCATIONAL PROCESS

υr	Se	epten	nber		0	ctobe	r		No	ovem	ıber			Dece	ember			Januar	y		Fe	bruary March			Aj	pril				May				Jun	e			Ju	ıly			А	ugust							
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Level of higher education

the second (Master of Sience) level

Apprenticeship – 1 year 9 months on the basis of bachelor's degree Educational qualification: master in mathematics, pure mathematics

		Terms	distribut	tion	ts		А	mount o	of academ	ic hours			Distrib	ution of o	class hou ter	ırs per w ms	eek in ye	ears and
	0	le			edi			C	lass hours	8			1 year	2 year	3 year	4 year	5 year	6 year
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1. COMPULSORY COMPONENTS

11	Cycle of general training	

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1	Global problems of contemporaneity		3					3	90		32			58			2					
2	Ukrainian as a foreign language	3	1,2	2	3			6	180			96		88	2	2	2					
	Total cycle 1.1			2	3			9	270		32	96		146	2	2	4	0				
				1.2	Cy	cle o	f pr	ofessio	onal tra	ining											 	
1	Algebra II	1		1				6	180	64	64			116	4							
2	Functional analysis II	1		1				6	180	64	64			116	4							
3	Differential geometry of manifolds	1		1				6	180	64	64			116	4							
4	Partial differential equations I	1		1				6	180	64	64			116	4					\square		
5	Complex analysis II	2		1				6	180	64	64			116		4						
6	Optimization and control theory	2		1				6	180	64	64			116		4				ŢĮ		
7	Master's seminar		3,4					12	360	56			56	304			2	2				
8	Term scientific research work		1,2,3				3	12	360					360								
9	Thesis scientific research training (no study leave granted)		4					8	240					240								
10	Thesis preparation	4						8	240					240								
	Total cycle 1.2			6	2	0	3	76	2280	440	384	0	56	1840	16	8	2	2				
	Total compulsory components			8	2	0	3	85	2550	440	416	96	56	1986	18	10	6	2				

2. ELECTIVE COMPONENTS

			2.	.1 C	Cycle	e of	genera	al train	ing								 	 	
	Total cycle 2.1																		
			2.2	Сус	cle of	f pr	rofessio	onal tra	ining										
1	Course П-1	2	1				6	180	64	64		116	4		Т	Τ			
2	Course П-2	2	1				6	180	64	64		116	4		Т	Τ			
3	Course II-3	3	1				5	150	64	64		86	1	4		T			

5	Course II-5	5	1		5	150	0-	0-			00		1	4					
4	Course П-4	3	1		5	150	64	64			86			4					
5	Course П-5	3	1		5	150	64	64			86			4					
6	Course П-6	4	1		4	120	48	48			72				4				
7	Course П-7	4	1		4	120	48	48			72				4				
	Total cycle 2.2		7		35	1050	416	416	0		634	0	8	12	8				
	Total elective components		7		35	1050	416	416	0		634	0	8	12	8				
Total					120	3600	856	832	96	56	2620	18	18	18	3 10				
Total p	er week											18	18	18	3 10				
Amour	nt of four-level scale marks											4	4	4	3				
Amour	nt of two-level scale marks											2	2	3	2				
Amour	nt of tests											5	5	4	2				
Amour	nt of term research works											1	1	1					

Note:

Four-level evaluation scale: marks "excellent", "good", "satisfactory", "unsatisfactory" Two-level evaluation scale: marks "passed", "not passed"

SUMMARY

Title	Amount of ECTS- credits
Compulsory components	85
Elective components	35
Trainings	8
Thesis preparation	8
Research part	40
Total amount of ECTS-credits	120

Approved by the Scientific Council of V.N. Karazin Kharkiv National University minutes № 12 dd. November 26, 2018

Zholtkevych G.M.

(signature, surname and initials)