Vice-President Oteksandy HOLOVKO	MINISTRY OF EDUCATION AND SCIENCE OF UKRAIN (proprietor)
Training of Master of Science	V.N. Karazin Kharkiv National University (university) EDUCATIONAL PLAN for 2024-2026 area of knowledge 11 Mathematics and statistics
speciality (level or higher education)	(code and title of area of knowledge) 111 Mathematics (code and title of speciality)
according to educational-research program specialization	Pure mathematics (the English language of instruction) (code and title of program)
*** * ********************************	(code and title of specialization)

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

Form of education full-time

(full-time, by correspondence, distance)

I. TIME-TABLE OF EDUCATIONAL PROCESS

	ptemb	CF		Oct	ober		_	N	oven	ber			Dec	ember			Janu	iary			Febr	uary				Marc	h			A	pril				May			1	Ji	ine			- 0	uly		T		Augu	iet	
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Year	Theoretical studies	Examinations and tests	Trainings	Certification examination	Thesis preparation	Vacations	Total
1	32	6				14	52
2	28	- 5	-				

4

5

6

Total

60

11

T - theoretical studies C - examinations ∏ - training K - vacations

// - certification examination

Д - thesis preparation and defence

LEGEND:

T/C- tests

18

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Term	Weeks
4	6/7cr
	Term 4

CERTIFICATION

Certification examination	Master's thesis	Term
	Master's thesis	4

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Code	COURSES AND RESEARCH WORKS	Four-level evaluation	alua	sts	ons	hic		Amount of ECTS-	Total	Fotal class hours		y		10	Self-preparation				Amo	ount	of we	eks pe	er terr	n	
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2	Ukrainian as a foreign language		1,2	2	3		Ш	6	180	64			64	_	116	2	2							\perp	
3	Partial differential equations (I)	1		1				6	180	64	32		32		116	4									\perp
4	Algebra II	1		1				6	180	64	32		32		116	4							\perp		
5	Differential geometry of manifolds	1		1				6	180	48	32		16		132	3									
6	Functional analysis II	1		1				6	180	48	32		16		132	3									
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1	Complex analysis II	2		1	-	-		5		(354.0)	-				(Marie)	-	4	_	_	\vdash		+	+	1	
2	Optimization and control theory	2		1	_	-		5	150	64	32	-	32		86	\vdash	<u> </u>	-		\vdash		-	+	+	_
3	Master's seminar		2,3,4					19	570	144				144	426	-	2	4	4			_	_	\perp	
4	Term scientific research work		2,3				2	6	180						180							4	\perp		
5	Thesis scientific research training (no study leave granted)		4					7	210						210										
6	Thesis preparation	4						5	150						150						-				
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	Total compulsory components	7	9	8	3	=	2	80	2400	592	224	NEWLY	224	144	1808	18	12	4	4						

2. ELECTIVE COMPONENTS

2.1 Cycle of professional training

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	unt of four-level scale marks 15												4	4	3	4					_
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8	Course Π-7	4		1	4	120	48	24		24		72				4					
7	Course П-7	4		1	4	120	48	24		24		72				4					
6	Course II-6	4		1	4	120	48	24		24		72				4					
5	Course Π-5	3		1	6	180	64	32		32		116			4						
4	Course Π-4	3		1	6	180	64	32		32		116			4						\top
3	Course II-3	3		1	6	180	64	32		32		116			4						
2	Course Π-2	2		1	5	150	48	32		16		102		3							
1	Course ∏-1	2		1	5	150	48	32		16		102		3							

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	80
Elective components	40
Trainings	7
Thesis preparation	5
Research part	37
Total amount of ECTS-credits	120

Approved by the Scientific Council of V.N. Karazin Kharkiv National University minutes № 10 dd. 27. 65,2024

> Dean of School of mathematics and Computer Sciences (signature, surname and initials)

Zholtkevych G.M.

Guarantor of the program Tamara FASTOVSKA