

Vice-rector for research and academic affairs
Olexandr HOLOVYK

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

V.N. Karazin Kharkiv National University

EDUCATIONAL PLAN

Training of scientific educators Program Pure Mathematics (the English language of instruction)

(level of higher education)

Level of high education	second (Master of Science)	Area of knowledge	E Nature sciences, Mathematics and Statistics
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E7 Mathematics

ematics

Form of education
full-time

TIME-TABLE OF EDUCATIONAL PROCESS on 2026/2028 school years

[illegible]

II. TOTAL DAYS FROM THE TIME BUDGET, weeks

Year	Theoretical studies	Examinations and tests	Trainings	Certification examination	Thesis preparation	Vacations	Total
1	32	7				13	52
2	28	5	9 (no study leave		4	4	39
3							
4							
5							
6							
Total	60	12	9		4	17	91

LEGEND:

T - theoretical studies

C - examinations

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III - training

K - vacations

// - certification examination

Д - thesis preparation and d

TRAININGS

TRAININGS		
Title of training	Term	Weeks
Thesis scientific research training (no study leave granted)	4	9/6cr
CERTIFICATION		
Certification examination	Master's thesis	Term
	Master's thesis defence	4

III. PLAN OF EDUCATIONAL PROCESS																														
Code	COURSES	Terms distribution				Amount of ECTS- credits	Amount of academic hours					Distribution of class hours per week in academic years and terms																		
		Four-level evaluation scale	Two-level evaluation scale	Tests	Individual tests		Total class hours	Class hours including:				Self-preparation	Terms																	
								Lectures	Laboratory examinations	Practical classes	Seminars		Amount of weeks per term																	
													1	2	3	4	5	6	7	8	9	10	11	12						
													16	16	16	12														
I. COMPULSORY COMPONENTS																														
OK01	Basics of research work		1					3	90	32	32		0		58	2														
OK02	Algebra II	1		1	1			6	180	64	32		32		116	4														
OK03	Functional analysis II	1		1	1			6	180	64	32		32		116	4														
OK04	Partial differential equations	1		1	1			6	180	64	32		32		116	4														
OK05	Differential geometry of manifolds	1		1	1			6	180	64	32		32		116	4														
OK06	Modern Theory of Optimal Control	2		1				6	180	64	32		32		116	4														
OK07	Probability theory II	2		1	1			6	180	48	32		16		132	3														
OK08	Master's seminar		2,3,4					15	450	120				120	330	3	3	2												
OK09	Term scientific research work		1,2,3			3		9	270						270															
OK10	Thesis scientific research training (no study leave granted)		4					6	180						180															
OK11	Thesis preparation	4						9	270						270															
Total for the compulsory components		7	8	6	5	3	78		2340	520	224		176	120	1820	18	10	3	2											

2. ELECTIVE COMPONENTS

2.1. Elective professional (special subject) educational components

[illegible]

Approved by the Scientific Council of V.N. Karazin Kharkiv National University minutes № 9 dd. 25.05. 2026

Acting Dean of School of Mathematics and Computer Science
(signature, surname and initials)

Guarantor of the program
(signature, surname and initials)

program Tamara FASTOVSKA
(signature, surname and initials)