"Signed"
Vice-President Oleksandr Holovko

"7" 06 2023р.

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
(name of central executive body, owner)

V. N. Karazin Kharkiv National University
(full name of higher education institution)

Higher education level

second master's degree

Duration of education – 6 years based on complete secondary education

Qualification: doctor

EDUCATION PLAN

Master training in the "22-Healthcare" field of study

in specialty 222 - Medicine

per "Medicine" education and professional programme

Mode os study full-time

I. EDUCATION PROCESS TIMELINE

Year	September				October				November					December				January					February				March				April				May					June				July					August				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	S	V	V	V	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	S	S	V	V	V	V	V	V	V	V	V
2	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	S	S	S	V	V	V	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	S	S	S	V	V	V	V	V	V	V	V	V
3	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	S	S	V	V	V	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	S	S	S	S	V	V	V	V	V	V	V	V	V
4	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	S	V	V	V	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	S	S	S	V	V	V	V	V	V	V	V	V
5	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	S	S	V	V	V	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	S	S	S	S	V	V	V	V	V	V	V	V	V
6	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	S	V	V	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T/P	T	//	//	//										

II. SUMMARY DAYS OF TIME BUDGET, weeks

Year	Theoretical education	Seccion and Credit	Internships	Attestation	Graduation project	Vacation	
1	37	3			-	12	52
2	34	6			-	12	52
3	34	6			-	12	52
4	36	4			-	12	52
5	35	5			-	12	52
6	36	1		3	-	2	42
Total	0	0		3		0	302

ABBREVIATIONS

T - theoretical education

S - Seccion

V - vacation

// - attestation exam

P-practical training

G - graduation project and its defence

PRACTICAL TRAINING

Name of Practical training	Semester	Weeks
Practical training as a physician	8	during the semester
Practical training as a physician	9	
Practical training as a physician	10	
Practical training as a physician	12	

ATTESTATION

Attestation exam	Semester
Unified State Qualification Exam, Stage 1	6
Unified State Qualification Exam, Stage 2	12

III. EDUCATION PROCESS PLAN

	SUBJECTS AND COURSEWORKS THAT ARE NOT A PART OF ANY PARTICULAR SUBJECT	Distribution per semester: Four-point grading system: exam	Four-point grading system: graded credit	Two-point grading system	supervisory work	Individual task: calculation and graphic work	Individual task: medical file amount	ECTS Credit Points	Hours: In total	Auditoric hours: In total	including: Lectures	including: laboratory	including: Curriculums	including: Practical works	Self work of students	Distribution of classroom hours per week across years and semesters: 1st year, Semester 1	1st year, Semester 2	2nd year, Semester 3	2nd year, Semester 4	3rd year, Semester 5	3rd year, Semester 6	4th year, Semester 7	4th year, Semester 8	5th year, Semester 9	5th year, Semester 10	6th year, Semester 11	6th year, Semester 12
																Weeks per semester: 19	18	17	17	18	16	19	17	18	16	20	16
	1. EP Mandatory Components																										
	1.1. General scientific (fundamental) disciplines																										
MC 1	Ukrainian Language (for professional purposes)			1(1)	1(1)	-	-	3	90	30	0		-	30	60	1,58											
MC 2	History of Ukraine and History of Ukrainian culture			1(1)	-	-	-	3	90	30	20		10		60	1,58											
MC 3	Foreign language			1(1)	-	-	-	3	90	50	0			50	40	2,63											
MC 4	Philosophy			1(1)		-	-	3	90	40	20		20		50	2,11											
MC 5	Foreign language (for professional purposes)		4(1)	3(1)	-	-	-	6	180	70	0		-	70	110			2,12	2,00								
MC 6	Latin and medical terminology		2(1)	1(1)	-	-	-	3	90	54	0		-	54	36	1,47	1,44										
MC 7	Medical biology	2(1)		1(1)	-	-	-	4	120	70	12		-	58	50	1,90	1,90										
MC 8	Medical informatics			4(1)	-	4(1)		3	90	50	6		-	44	40			1,88	1,06								
MC 9	Medical chemistry		2(1)	1(1)	-	-	-	3	90	52	12		-	40	38	1,37	1,44										
MC 10	Medical and biologic physics		2(1)	1(1)	-	-	-	3	90	54	10		-	44	36	1,37	1,56										
MC 11	Biologic and bio-organic chemistry	4(1)		2(1), 3(1)	-	-	-	8	240	144	20		-	124	96		2,22	3,29	2,82								
MC 12	Human anatomy	3(1)	1(1), 2(1)	-		-	-	14	420	250	30		-	220	170	4,74	6,00	3,05									
MC 13	Histology, cytology and embryology	3(1)	2(1)			-	-	9	270	160	40		-	120	110		6,00	3,06									
MC 14	Physiology	4(1)		3(1)		-	-	9	270	162	32		-	130	108			4,82	4,70								
MC 15	Microbiology, virology and immunology	5(1)		3(1), 4(1)		-	-	8	240	144	24		-	120	96			2,94	2,59	2,78							
	Total in cycle General scientific (fundamental) disciplines	**6**	**7**	**16**	**1**	**1**		**82**	**2460**	**1360**	**226**	**0**	**30**	**1104**	**1100**	**18,74**	**20,56**	**21,16**	**13,17**	**2,78**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	1.2 Professionally oriented (clinical) disciplines																										
MC 16	Life safety, fundamentals of bioethics and biosafety; occupational safety			4(1)	-	-	-	3	90	54	4		50		36			2,00	1,17								
MC 17	Pathomorphology	6(1)	-	5(1)	-	-	-	6	180	108	38		70		72					3,22	3,12						

MC 18	Pathophysiology	6(1)	-	5(1)	-	-	-	6	180	108	38		70		72					3,22	3,12						
MC 19	Pharmacology	6(1)	-	5(1)	5(1), 6(1)	-	-	6	180	100	30		70		80					3,11	2,75						
MC 20	Hygiene and ecology		6(1), 11(1)	5(1)	11(1)	-		7	210	126	16		110		84					2,10	2,13					2,70	
MC 21	Propaedeutics of internal medicine		6(1)			-	5(1), 6(1)	5	150	90	20		70		60					2,67	2,62						
MC 22	Propaedeutics of pediatrics		6(1)	5(1)		-	6(1)	5	150	90	20		70		60					2,67	2,62						
MC 23	General surgery		6(1)	5(1)	-	-	6(1)	5	150	90	20		70		60					2,67	2,62						
MC 24	Radiology		6(1)					3	90	54	10		44		36					1,66	1,50						
MC 25	Internal medicine including endocrinology		8(1)	7(1)		-	8(1)	8	240	144	14		130		96							4,35	3,61				
MC 26	Internal medicine including clinical pharmacology, clinical immunology and allergology, occupational diseases	10(1)	12(1)	11(1)		-	)(1), 12	23	690	414	28		386		276									5,97	5,65	6,50	5,38
MC 27	Pediatrics, and children's infectious diseases	10(1)	8(1), 12(1)	9(1), 11(1)	-	-	8(1), 10(1), 12(1)	16,0	480	288	14		274		192							2,00	2,00	1,62	1,54	4,50	4,50
MC 28	Surgery including pediatric surgery, neurosurgery, Emergency and urgent medical care	10(1)	8(1), 12(1)	11(1)		-	8(1), 10(1), 12(1)	20	600	360	20		340		240							2,00	2,00	4,33	4,11	4,00	4,00
MC 29	Obstetrics and gynecology, including medical genetics)	10(1)	8(1), 12(1)	9(1), 11(1)	-	-	8(1)	10	300	180	18		162		120								3,18	2,16	2,06	1,50	1,50
MC 30	Social medicine, public health	8(1)	12(1)	7(1)	-	-	-	7	210	120	20		100		90							2,22	2,22				2,50
MC 31	Neurology	8(1)		7(1)	-	-	-	4	120	72	10		62		48							2,00	2,00				
MC 32	Infectious diseases including epidemiology and principles of evidencr-based medicine, phthisiology	10(1)	9(1)		-	-		12	360	216	12		204		144									4,87	4,63	2,70	
MC 33	Clinical Anatomy and operative surgery		4(1)		-	-		3	90	40	10		30		50				2,35								
MC 34	Otorhinolaryngology		7(1)		-	-		3	90	40	6		34		50							2,10					
MC 35	Ophthalmology		8(1)		-	-		3	90	40	6		34		50								2,35				
MC 36	Physical rehabilitation, sports medicine		7(1)		-	-		3	90	40	6		34		50							2,10					
MC 37	Dermatology, venereology		7(1)		-	-		3	90	40	6		34		50							2,10					

MC 38	Psychiatry, narcology		8(1)	7(1)	-	-	-	3	90	54	6		48		36							1,50	1,50				
MC 39	Forensic medicine. Medical law of Ukraine		8(1)		-	-		3	90	40	6		34		50								2,35				
MC 40	Oncology and radiation medicine		9(1)		-	-		3	90	54	4		50		36									3,00			
MC 41	Traumatology and orthopedics		9(1)		-	-		3	90	50	10		40		40									2,77			
MC 42	Anesthesiology and intensive care		10(1)		-	-		3	90	50	10		40		40										3,12		
MC 43	Medical practice by speciality		10(1)		-	-		5	150	88	0		88		62									2,65	2,51		
MC 44	Urology		7(1)		-	-		3	90	40	6		34		50							2,10					
MC 45	General practice (family medicine)		11(1)		-	-		3	90	54	0		54		36											2,70	
	Total in cycle Professionally oriented (clinical) disciplines	**10**	***29***	***13***	***3***	***0***	***15***	**187**	**5610**	**3244**	**408**	**0**	**2836**	**0**	**2366**	**0,00**	**0,00**	**2,00**	**3,52**	**21,32**	**20,48**	**22,47**	**21,21**	**27,37**	**23,62**	**24,60**	**17,88**
	Total in cycle EP Mandatory Components	**16**	**36**	**29**	**4**	**1**	**15**	**269**	**8070**	**4604**	**634**	**0**	**2866**	**1104**	**3466**	**18,74**	**20,56**	**23,16**	**16,69**	**24,10**	**20,48**	**22,47**	**21,21**	**27,37**	**23,62**	**24,60**	**17,88**
2.EP Elective Blocks (Components)																											
2.1. General scientific (fundamental) disciplines																											
EB1	Psychology of communication			2(1)				3	90	30	0		30		60		1,67										
EB2	Conflict in a medical profession			2(1)				3	90	30	0		30		60		1,67										
EB3	Molecular biology of the cell			2(1)				3	90	30	0		30		60		1,67										
EB4	Fundamentals of molecular genetics			2(1)				3	90	30	0		30		60		1,67										
EB5	History of medicine			2(1)				3	90	30	0		30		60		1,67										
EB6	History of medicine			2(1)				3	90	30	0		30		60		1,67										
EB7	Fundamentals of embryology			2(1)				3	90	30	0		30		60		1,67										
EB8	Fundamentals of cytology			2(1)				3	90	30	0		30		60		1,67										
EB9	Fundamentals of professional career formation in medicine			2(1)				3	90	30	0		30		60		1,67										
EB10	Fundamentals of education in medicine			2(1)				3	90	30	0		30		60		1,67										
EB 11	Deontology in medicine			4(1)				3	90	30	0		30		60				1,76								
EB 12	Etiquette in society and medicine			4(1)				3	90	30	0		30		60				1,76								
EB 13	Basis of management in Health care system			4(1)				3	90	30	0		30		60				1,76								
EB 14	International systems of Health care organization			4(1)				3	90	30	0		30		60				1,76								
EB 15	Anatomical and physiological aspects of central and peripheral nervous system			4(1)				3	90	30	0		30		60				1,76								

EB 16	Anatomical and physiological aspects of cardiovascular system			4(1)				3	90	30	0		30		60				1,76								
EB 17	Foreign language of professional purposes		3(1), 7(1), 10(1)					10	300	170	0		170		130			2,94				3,68			3,13		
EB 18	Diagnostic imaging techniques and Laboratory tests			4(1)				3	90	30	0		30		60				1,76								
EB 19	Human microelement diseases			4(1)				3	90	30	0		30		60				1,76								
EB 20	Telemedicine			4(1)				3	90	30	0		30		60				1,76								
EB 21	Logic, formal logic			4(1)				3	90	30	0		30		60				1,76								
EB 22	Basis of planning of preventive programm			6(1)				3	90	30	0		30		60						1,87						
EB 23	Product examination			6(1)				3	90	30	0		30		60						1,87						
EB 24	Preventive nutrition			6(1)				3	90	30	0		30		60						1,87						
EB 25	Psychology of addictive (dependent) behavior			6(1)	-	-	-	3	90	30	0		30		60						1,87						
EB 26	Medical psychology			6(1)	-	-	-	3	90	30	0		30		60						1,87						
EB 27	Fundamentals of personified therapy			6(1)	-	-	-	3	90	30	0		30		60						1,87						
EB 28	Pharmacogenetics			6(1)	-	-	-	3	90	30	0		30		60						1,87						
EB 29	Phytotherapy			6(1)	-	-	-	3	90	30	0		30		60						1,87						
EB 30	Modern aspects of the using of alternative methods of treatment in medical practice			6(1)	-	-	-	3	90	30	0		30		60						1,87						
EB 31	Fundamentals of sexology and sexopathology			6(1)	-	-	-	3	90	30	0		30		60						1,87						
EB 32	Medical terminology and translation			6(1)	-	-	-	3	90	30	0		30		60						1,87						
EB 33	Basis of nutrition			6(1)	-	-	-	3	90	30	0		30		60						1,87						
	Total in cycle General scientific (fundamental) disciplines	**0**	**0**	**13**	**0**	**0**	**0**	**39**	**1170**	**390**	**0**		**390**		**780**	**0**	**8,35**	**0**	**7,04**	**0**	**7,48**	**0**	**0**	**0**	**0**	**0**	**0**
2.2 Professionally oriented (clinical) disciplines																											
EB 80.1	Elective Block Military medical training. Training of health care reserve officers. Specialty "Medicine"		3(1), 7(1), 10(1)					10	300	170	0		170		130			2,94				3,68			3,13		

EB 80.2	Elective Block Military medical training. Military medical training including Medicine of emergency situations, Battlefield medicine, Military hygiene and epidemiology		3(1), 7(1), 10(1)					10	300	170	0		170		130			2,94				3,68			3,13		
EB 81.1	Elective Block Patient care (practice). Patient care in internal medicine		4(1)		-	-		5	150	36	0		36		114				2,12									
EB 81.2	Elective Block Patient care (practice). Care for patients in pediatrics		4(1)		-	-		5	150	36	0		36		114				2,12									
EB 81.3	Elective Block Patient care (practice). Patient care in surgery		4(1)		-	-		5	150	36	0		36		114				2,12									
EB 82.1	Elective Block Nursing practice. Nursing practice in Internal medicine		5(1)		-	-		5	150	36	0		30		114					2								
EB 82.2	Elective Block Nursing practice.Nursing practice in pediatrics		5(1)		-	-		5	150	36	0		30		114					2								
EB 82.3	Elective Block Nursing practice.Nursing practice in surgery		5(1)		-	-		5	150	36	0		30		114					2								
EB 34	Basics of electrocardiography			6(1)	-	-	-	3	90	30	0		30		60						1,87							
EB 35	Evidence-based medicine –The basis of a modern physician's practice			6(1)	-	-	-	3	90	30	0		30		60						1,87							
EB 36	Cardiovascular surgery			8(1)				3	90	30	0		30		60								1,8					
EB 37	Plastic and reconstructive surgery			8(1)				3	90	30	0		30		60								1,8					
EB 38	Topical issues of disinfection and sterilization			8(1)				3	90	30	0		30		60								1,8					
EB 39	Topical issues of cerebrovascular diseases			8(1)				3	90	30	0		30		60								1,8					
EB 83.1	Elective Block Medical practice by speciality. Medical practice by speciality internal medicine		8(1), 9(1), 12(1)		-	-		16	480	132	0		132		348								2,12	2			3,76
EB 83.2	Elective Block Medical practice by speciality. Medical practice by speciality Surgery		8(1), 9(1), 12(1)		-	-		16	480	132	0		132		348								2,12	2			3,76

EB 83.3	Elective Block Medical practice by speciality. Medical practice by speciality Pediatrics		8(1), 9(1), 12(1)		-	-		16	480	132	0		132		348								2,12	2			3,76
EB 83.4	Elective Block Medical practice by speciality. Medical practice by speciality Obstetrics and Gynecology		8(1), 9(1), 12(1)		-	-		16	480	132	0		132		348								2,12	2			3,76
EB 40	Medical officers legal status in health care			8(1)				3	90	30	0		30		60								1,8				
EB 41	Methods of visualization in instrumental investigation of internal organ diseases			8(1)				3	90	30	0		30		60								1,8				
EB 42	Clinical electrocardiography and functional diagnosis of internal organ diseases			8(1)				3	90	30	0		30		60								1,8				
EB 43	Basics of laboratory diagnostics for diseases of internal organs			8(1)				3	90	30	0		30		60								1,8				
EB 44	Basics of diet therapy and rational nutrition			8(1)				3	90	30	0		30		60								1,8				
EB 45	Methods of genetic diagnosis			8(1)				3	90	30	0		30		60								1,8				
EB 46	Food genetics (nutrigenetics)			8(1)				3	90	30	0		30		60								1,8				
EB47	Topical issues of child rheumatology			10(1)				4	120	30	0		30		90										1,88		
EB 48	Modern functional and laboratory diagnosis in pediatrics			10(1)				4	120	30	0		30		90										1,88		
EB 49	Modern physico-chemical technologies in oncology. Reconstructive-recoverable oncosurgery			10(1)				4	120	30	0		30		90										1,88		
EB 50	Intratissue radiotherapy for cancer of prostate, pancreas gland and brain tumor. Radiosurgical technology in oncology			10(1)				4	120	30	0		30		90										1,88		
EB 51	Clinical pathology			10(1)				4	120	30	0		30		90										1,88		
EB 52	Substance use disorder			10(1)				4	120	30	0		30		90										1,88		
EB 53	Emergency neurology			10(1)				4	120	30	0		30		90										1,88		
EB 54	Fundamentals of dentistry			10(1)				4	120	30	0		30		90										1,88		

EB 55	Fundamentals of vertebrology			10(1)				4	120	30	0		30		90										1,88		
EB 56	Topical issues in Cardiology			10(1)				4	120	30	0		30		90										1,88		
EB 57	Basic and advanced life support			10(1)				4	120	30	0		30		90										1,88		
EB 58	Emergency conditions: the first aid at the scene of events			10(1)				4	120	30	0		30		90										1,88		
EB 59	Invasive cardiology			10(1)				4	120	30	0		30		90										1,88		
EB 60	Electrophysiology and clinical arrhythmology			10(1)				4	120	30	0		30		90										1,88		
EB 61	Main ultrasonic diagnosis in clinical medicine			12(1)				3	90	30	0		30		60											1,50	
EB 62	Endoscopic technologies in medicine			12(1)				3	90	30	0		30		60												1,88
EB 63	Clinical parasitology and tropical medicine			11(1)				3	90	30	0		30		60												1,88
EB 64	HIV infection topical issues			11(1)				3	90	30	0		30		60											1,5	
EB 65	Childish infectious diseases. Emergency conditions			11(1)	-	-		3	90	30	0		30		60											1,5	
EB 66	Modern view on childish treatable infections			12(1)	-	-		3	90	30	0		30		60												1,88
EB 67	Topical issues of childish endocrinology			12(1)	-	-		3	90	30	0		30		60												1,88
EB 68	Vaccination standarts in pediatrics			12(1)	-	-		3	90	30	0		30		60												1,88
EB 69	Immunization and immunotherapy			11(1)				3	90	30	0		30		60											1,50	
EB 70	Innovations in allergiology			12(1)				3	90	30	0		30		60												1,88
EB 71	Geriatrics and hospice medicine			12(1)	-	-		3	90	30	0		30		60												1,88
EB 72	Palliative care			12(1)	-	-		3	90	30	0		30		60												1,88
EB 73	Adult basic and advanced life support			12(1)	-	-		3	90	30	0		30		60												1,88
EB 74	Paediatric basic and advanced life support			12(1)	-	-		3	90	30	0		30		60												1,88
EB 75	Modern extremely dangerous infections			12(1)	-	-		3	90	30	0		30		60												1,88
EB 76	Modern aspects of comorbid pathology in the clinic of internal medicine			12(1)	-	-		3	90	30	0		30		60												1,88
EB 77	Modern diagnostic approaches in the clinic of internal medicine			12(1)	-	-		3	90	30	0		30		60												1,88

EB 78	Reflexology			12(1)	-	-		3	90	30	0		30		60												1,88
EB 79	Features of occupational diseases in health care and other fields			12(1)	-	-		3	90	30	0		30		60												1,88
	Total in cycle Professionally oriented (clinical) disciplines	0	7	7	0	0	0	52	1560	524	0		524		1036	0	0	2,94	2,12	2	0	3,68	3,88	2	5,01	1,5	7,52
Total in cycle of elective disciplines		0	7	20	0	0	0	91	2730	914	0		914		1816	0	8,35	2,94	9,16	2	7,48	3,68	3,88	2	5,01	1,5	7,52
Total amount								360,0	10800,0	5518,0	634,0		3780,0	1104,0	5282,0	18,74	28,91	26,10	25,85	26,10	27,96	26,15	25,09	29,37	28,63	26,10	25,40
Hour amount for a week																18,74	28,91	26,10	25,85	26,10	27,96	26,15	25,09	29,37	28,63	26,10	25,40
Mark amount for a four-point grading system - exam																	1	2	2	1	3		2		5		
Mark amount for a four-point grading system - graded credit																1	5	1	3	1	5	5	8	4	3	1	6
Mark amount for a two-point grading system																8	6	5	7	6	4	4	1	2	1	5	4
Test amount																1				1	1					1	
Medical file amount																				1	3		4		3		4
Calculated-graphical tests amount																			1								

summary

Назва	Credits amount ECTS
Compulsary disciplines including practices	270
Elective disciplines	91
Total	359

Confirmed by the Academic Council of university protocol 9 № _____ date 29 May 2023 .

Dean of medical faculty — Tetiana LIADOVA

Guarantor of educational program — Natalia SHEVCHENKO