

**MINISTRY OF PUBLIC HEALTH OF UKRAINE**

**KHARKIV NATIONAL MEDICAL UNIVERSITY**

The department of social science

Academic year 2021/2022

**SYLLABUS OF THE EDUCATIONAL COMPONENT**

**«MEDICAL KHARKIV IN PERSONALITIES»**

Elective educational component

Form of education: full-time education

Branch of knowledge 22 «Health Care»

Specialization 222 General Medicine

Educational and professional program «Medicine»

Second (Master) level of higher education

First year

Syllabus of study discipline  
approved at meeting of the  
Department of Social Sciences  
of the KhNMU

Protocol of  
“30” August 2021 № 7

Approved by the methodic commission  
KNMU on the problem of general and  
pre-professional training

Protocol of  
“31” August 2021 № 7

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Professional interests, links to the teacher's profile (on the website of the university, department, in the Moodle system, etc.): history, culturology

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Consultations according to the schedule posted on the information stand of the department and in the cathedral directory in the MOODLE system (<http://distance.knmu.edu.ua/course/view.php?id=107>)

Location:

Ave. Nauki, 4, Kharkiv, Kharkiv National Medical University, Main Building, 3rd floor, Department of Social Sciences

## INTRODUCTION

The syllabus of the discipline "Medical Kharkiv in personalities" is compiled in accordance with the educational professional program (hereinafter - EPP) "Medicine" and the Standard of Higher Education of Ukraine (hereinafter - the Standard), the second (master's) level, field of knowledge 22 "Health care", specialization 222 "General Medicine"

**Course description.** The subject "Medical Kharkiv in Personalities" is taught for specialists of the second (Master) level, branch of knowledge 22 «Health Care», specialization – 222 "General Medicine", who study in the 6th year.

The subject is taught in the spring semester of the 2020/2021 academic year.

The total number of the course's hours is 120 (4 credits): 10 hours are allocated for lectures, 10 hours for practical classes, 100 hours for the students' self-study. The course is structured into 4 topics.

"Medical Kharkiv in Personalities" is an elective course that reveals issues about the original sources of Ukrainian medical thought that is always personalized. That is why it is especially important today to turn to medical personnel – biographies of doctors, scientists, teachers of the past and outline of their views. It is well known that the scientific biography and creative work of any person, educator, doctor, scientist is not only a reflection of personal education, experience, views, but also are reflections of certain social circles and historical period.

**The subject of study.** The subject of study of the discipline "Medical Kharkiv in personalities" is the study of biographies of doctors, scientists, teachers of the past and systematic coverage of their views. It is well known that the scientific biography and creative work of any figure, educator, doctor, scientist is not only an adherent of his scientific reflections, views, but also evidence of worldviews, life concepts, which are a unique reflection of social processes of the historical era.

**Interdisciplinary connections.** The study of the discipline is associated with the mastery of disciplines taught in the I-VI years: "History and culture of Ukraine", "Philosophy", " Study of Culture", "Ethnography", "Political Science", "Medical Studies", "Ethics", "Religious Studies", "Medicine and Politics". " Medical Kharkiv in personalities " is objectively integrated with the disciplines "Medicine and Art Culture", "Medical Subculture", "Fundamentals of Christian Ethics and Morality", "Fundamentals of Economic Theories" and others.

**Prerequisites.** The study of the discipline involves prior mastering of subjects that give a basic idea of society: "History and Culture of Ukraine", "Medical Local Lore", "Philosophy", "Sociology".

**Postrequisites.** "Medical Kharkiv in personalities " is objectively integrated with disciplines that provide further training of medical students: "History of the Modern World", "Philosophy", " Study of Culture", "Ethnography", "Political Science", "Medical Local Lore", "Ethics", "Religious Studies", "History of Health Care in Kharkiv", "Medicine and Politics". " Medical Kharkiv in personalities " is objectively integrated with the disciplines "Medicine and Art Culture", "Medical Subculture", "Fundamentals of Christian Ethics and Morality", "Fundamentals of Economic Theories".

## **1. The purpose and objectives of the course**

1.1. The purpose of studying the discipline is to form in-doctor students in-depth knowledge of physicians, scientists who have worked and are working in Kharkov and form the basis of the medical elite of the city.

1.2. The main objectives of the discipline are to ensure that students acquire the competencies defined in accordance with the requirements of the standard.

1.3. Competences and learning outcomes, the formation of which is facilitated by the discipline (relationship with the normative content of training of higher education, formulated in terms of learning outcomes in the EPP and Standard).

1.3.1. The study of the discipline provides students with the acquisition of competencies:

Integral:

ability to solve typical and complex specialized tasks and practical problems in professional activities in the field of health care, or in the learning process, which involves research and / or innovation and is characterized by complexity and uncertainty of conditions and requirements.

General:

GC1 – Capacity for abstract thinking, analysis and synthesis; ability to study and be modernly trained

GC2 – Capacity for using knowledge in practical situations

GC4 – Capacity for adapting and acting in a new situation

GC5 – Capacities for making sound judgements and for working in a team; skills of interpersonal interaction

GC6 – Capacity for communicating in the state language both in the oral and written forms; Capacity for communicating in a foreign language

GC7 – Skills of using informative and communicative technologies

GC9 – Capacity for acting in the socially responsible and conscious way

Professional:

PC1 – Skills of questioning

PC15 – Capacity for carrying out epidemiological and medical-statistical studies of the health of population; processing of state, social, economic and medical information

PC16 – Capacity for assessing effects of environmental, socioeconomic and biological determinants on the state of human health in individuals, families and populations.

PC17 – Capacity for analyzing the activity of a doctor, unit, health care institution, and for taking measures in order to provide quality and safety of medical aid and increase the efficacy of using medical resources

1.3.2. The study of the discipline provides students with the acquisition of the following program results of training:

Knowledge and understanding:

PRT 1 – to have general and special fundamental and profession-oriented knowledge, abilities, skills and competences required for carrying out typical professional tasks, which are associated with activity in the medical field in a particular position

Use of knowledge and understanding:

PRT 4 – to collect information about the patient

PRT 5 – to evaluate results of questioning, physical examination, data of laboratory and instrumental methods of examination

Formation of judgements:

PRT 20 – to apply the acquired knowledge about the current system of health care for optimization of one’s own professional activity and participation in performing practical tasks in the field

PRT 21 – to adhere to the ethical code of the doctor, which ensures the formation of a specialist with appropriate personal qualities

1.3.3. The study of the discipline provides students with the following social skills (Soft skills): communication skills, leadership, responsibility, ability to work in critical conditions, resolve conflicts, work in a team, manage their time, make decisions independently, think critically.

## 2. INFORMATION SCOPE OF THE COURSE

Name of indicators	Field of knowledge, specialization, educational and qualification level	Characteristics of the discipline	
		full-time education	evening form of study (absent)
Number of credits - 4	Branch of knowledge: 22 "Health care"	Elective	
The total number of hours is 120	Specialization: 222 "Medicine"	<b>The year of preparation:</b>	
		6 <sup>th</sup>	-
		<b>Semester</b>	

		1 <sup>st</sup> , 2 <sup>nd</sup>	-
		<b>Lectures</b>	
		10 hours	-
		<b>Practical, seminar</b>	
		10 hours	-
		<b>Laboratory</b>	
		-	-
		<b>Individual work</b>	
		100 hours	-
		<b>Individual tasks:</b>	
		-	
		<b>Type of control: current, credit</b>	
Hours for full-time study: classrooms - 20 individual student work - 100	Educational and qualification level: II master's level EPP "Medicine"		

## 2.1 Description of the discipline

### 2.2.1 Lectures

№	Topic title	Quantity of hours	Types of lectures
1	Topic 1. Kharkiv doctors – representatives of medical science during the imperial period (early XVIII – 1916)	4	Introductory, review, problem, binary
2	Topic 2. Personalities of Kharkiv physicians from the 1920s to 1945	2	Review, problem, binary
3	Topic 3. Kharkiv physicians of in the post-war Soviet period (1945–1991)	2	Review, problem, binary
4	Topic 4. The Kharkiv medical circles in the time of independence	2	Review, problem, binary
	Total	10	

### 2.2.2 Seminars

№	Topic title	Quantity of hours	Teaching methods	Forms of control
1	Topic 1. Kharkiv doctors – representatives of medical science during the imperial period (early XVIII – 1916)	4	problem-based learning, business games, brainstorming, group work, developmental learning,	Oral interview, test survey in the MOODLE system
2	Topic 2. Personalities of Kharkiv physicians from	2	multilevel	

	the 1920s to 1945		learning, heuristic conversations, discussions and debates, presentation method, project-based learning method, organization of excursions to museums and exhibitions	
3	Topic 3. Kharkiv physicians of in the post-war Soviet period (1945–1991)	2		
4	Topic 4. The Kharkiv medical circles in the time of independence	2		
	<b>Total</b>	10		

### 2.2.3 Practical classes are not provided

### 2.2.4. Laboratory classes are not provided

### 2.2.5. Individual work

№ 3/II	Topic title	Quantity of hours	Teaching methods	Forms of control
1	Topic 1. Kharkiv doctors – representatives of medical science during the imperial period (early XVIII – 1916)	20	problem-based learning, group work, multilevel learning, presentation method, project learning method	Oral interview, test survey in the MOODLE system, participation in scientific conferences
2	Topic 2. Personalities of Kharkiv physicians from the 1920s to 1945	20		
3	Topic 3. Kharkiv physicians of in the post-war Soviet period (1945–1991)	30		
4	Topic 4. The Kharkiv medical circles in the time of independence	30		
	<b>Total</b>	<b>100</b>		

Teaching methods. During lectures and practical lessons it is recommended to use such pedagogical methods: problematic education, business games, «brain storm», work in groups, developing education, multilevel training (taking into account the abilities of different students), heuristic conversations, debates and discussions, preparing report-presentations, method of project training (preparing



by student the independent research project), excursions to museums and exhibitions.

Methods of control (only those used in teaching the discipline are given):

Current control. During the current control methods of individual and face-to-face interviews, written testing, writing creative works (essays, reviews, reviews, own statements), microphone method, problem solving, work with sources and scientific literature, watching movies with further discussion are used, work in groups, verification tests.

Final control is carried out at the last lesson in the form of the final lesson, which includes control of all types of training provided by the curriculum. According to the results of educational activities, a test is set on a two-point scale "credited" - "not credited". A grade on a traditional scale is also given.

### 3. EVALUATION CRITERIA

3.1. Evaluation of the success of students' education is carried out on the basis of "Instructions for evaluating the educational activities of higher education students in KhNMU" (Table 2).

Table 2

Recalculation of the average score for current activities in a multi-point scale (for disciplines ending with a credit)

4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale
5	200	4.22-4,23	169	3.45-3,46	138
4.97-4,99	199	4.19-4,21	168	3.42-3,44	137
4.95-4,96	198	4.17-4,18	167	3.4-3,41	136
4.92-4,94	197	4.14-4,16	166	3.37-3,39	135
4.9-4,91	196	4.12-4,13	165	3.35-3,36	134
4.87-4,89	195	4.09-4,11	164	3.32-3,34	133
4.85-4,86	194	4.07-4,08	163	3.3-3,31	132
4.82-4,84	193	4.04-4,06	162	3.27-3,29	131
4.8-4,81	192	4.02-4,03	161	3.25-3,26	130
4.77-4,79	191	3.99-4,01	160	3.22-3,24	129
4.75-4,76	190	3.97-3,98	159	3.2-3,21	128
4.72-4,74	189	3.94-3,96	158	3.17-3,19	127
4.7-4,71	188	3.92-3,93	157	3.15-3,16	126
4.67-4,69	187	3.89-3,91	156	3.12-3,14	125
4.65-4,66	186	3.87-3,88	155	3.1-3,11	124

4.62-4,64	185	3.84-3,86	154	3.07-3,09	123
4.6-4,61	184	3.82-3,83	153	3.05-3,06	122
4.57-4,59	183	3.79-3,81	152	3.02-3,04	121
4.54-4,56	182	3.77-3,78	151	3-3,01	120
4.52-4,53	181	3.74-3,76	150	Less than 3	Not sufficient
4.5-4,51	180	3.72-3,73	149		
4.47-4,49	179	3.7-3,71	148		
4.45-4,46	178	3.67-3,69	147		
4.42-4,44	177	3.65-3,66	146		
4.4-4,41	176	3.62-3,64	145		
4.37-4,39	175	3.6-3,61	144		
4.35-4,36	174	3.57-3,59	143		
4.32-4,34	173	3.55-3,56	142		
4.3-4,31	172	3.52-3,54	141		
4,27-4,29	171	3.5-3,51	140		
4.24-4,26	170	3.47-3,49	139		

The maximum amount of points for the course is 200 points, the minimum acceptable for credit - 120 points.

### 3.2. Test questions:

1. Kharkiv physicians – representatives of medical science during the imperial period (end of the XVIII – 1916 p.).
2. Personalities of Kharkiv physicians from the 1920s to 1945.
3. Kharkiv physicians in the postwar period (1945–1991).
4. The medical elite of Kharkiv since independence.
5. Choose the personality from the given topics and make a presentation about it.

### 3.3. Test questions for seminars

#### Topic 1

1. Staffing of the medical and sanitary branches of the Kharkiv health care before the Great Reforms of the 1860–1870s.
2. Medical staff in the imperial Kharkiv after the Great reforms.
3. The Imperial Kharkiv University as a center of medical education.
4. The Women's Medical Institute as the alternative educational center in the imperial Kharkiv.
5. Origin, formation and main representatives of medical scientific schools. A. Podrez, V. Frankovsky, V. Grube, V. Danilevsky, D. Lambl, I. Zarubin, I. Lazarevych, I. Obolensky, I. Platonov, L. Hirschman, N. Trinkler, P. Shatilov etc.

## **Topic 2**

1. Social status and work conditions of physicians.
2. Kharkiv Medical Institute.
3. Anatomical school: Volodymyr Vorobyov and Rafail Sinelnikov.
4. Orthopedic and traumatology school and the contribution of Mykhailo Sitenko.
5. Pioneer of transplantology – Yurii Voronyi.
6. Prominent Ukrainian pathophysiologist Daniil Alpern.
7. Solomon Kantorovich is the founder of social hygiene.
8. Origin and formation of forensic medicine by Mykola Bocarius. The Institute of Forensic Medical Examinations.
9. The contribution of Ivan Platonov to psychiatry.
10. The Stalinist repressions against the Kharkiv physicians.
11. Kharkiv surgical school.
12. Kharkiv physicians during the Second World War.

## **Topic 3**

1. The Kharkiv Medical Institute in 1945–1991. The most famous scientific schools and their achievements.
2. V. Kogan-Yasny and his contribution to endocrinology.
3. O. Geimanovich. The Kharkiv period of activity O. Shalimov.
4. V. Topuzov is a representative of the surgical school.
5. V. Shapoval and the development of urology in Kharkiv.
6. The scientific school by Lyubov Mala and the Institute of Therapy.
7. The obstetrics and Gynecology School in Kharkiv. V. Grishchenko and his heritage.
8. V. Zaytsev as an organizer of ambulances in Kharkiv.
9. O. Palladin as the founder of the national school of biochemists.

## **Topic 4**

1. From KhMI to KhNMU: evolution of the higher medical education.
2. Basic scientific schools at the present stage of development.
3. The outstanding representatives of the Kharkiv National Medical University.

4. The contribution of A. Tsyhanenko to microbiology.
5. The contribution of O. Hrechanina to the medical genetics.
6. Kharkiv surgeons of V. Boyko, V. Лупальцов, M. Pylypenko, O. Bilovol.
7. The Kharkiv obstetrics school.
8. Development of the military medicine.

#### **4. DISCIPLINE POLICY**

##### Discipline requirements

Written assignments and homework must be submitted in time. In case of questions students can contact the teacher personally or by e-mail which the teacher will provide in the first practical lesson.

During the lecture students are recommended to compose the lesson's summary and keep a sufficient level of silence. It is welcomed to pose the questions to a lecturer.

It is important to follow next rules:

- respect to colleagues;
- tolerance toward others and experience of people;
- receptivity and impartiality;
- ability to respect the person even in a case of disagreement with its thoughts;
- thorough reasoning of own opinion and courage to change it under the influence of counter arguments;
- self-expression when the person avoids the unnecessary generalizations, describes own feelings and forms expectations relying on own thoughts and emotions;
- obligatory work with the recommended sources of information.

The creative approach in its different forms is welcomed. In particular it is a participation in scientific conferences.

##### Attendance and behaviour

The students are expected to attend all lectures and practical lessons. In a case of skipping the class it is necessary to work off it according to the department's schedule.

Actions that are allowed during lessons:

- Leave the classroom for a short time in case of necessities and with a permission of teacher;
- To take a photos of presentations;
- To take active part in a course of the lesson.

Prohibited:

- Eating (except people whose special medical situation requires the opposite – in that case the medical confirmation is needed);
- Smoking, consuming of alcohol;

- Rude behaviour, expression of obscenities and offend someone's dignity;
- Gambling;
- To damage the university equipment;
- To make a noise or listen a music in classrooms or corridors during the lessons.

#### Using of electronic gadgets

Using of electronic gadgets during studying is allowed without restriction except those cases when it may interfere with the ways of objective assessment of students' knowledge.

#### Policy for people with the special educational needs

The studying is carried out taking into account the requirements of modern Ukrainian legislation in relation to persons with special educational needs and is regulated by the university.

#### Recommendations for successful mastering the discipline

In the process of preparation for practical classes students should study the recommended literature. Active participation during the discussion in the classroom is welcome, students should be ready to understand the material in detail, ask questions, express their point of view, discuss.

#### Incentives and penalties

According to the "Instructions for the evaluation of educational activities in the European credit-transfer system of the educational process in the KhNMU" students can increase the grade for the module by performing individual tasks (making the reports, participation in scientific conferences, competitions, preparation of reviews, etc.) in case of success gives 10 points as an incentive.

#### Safety precautions

The first lesson includes an explanation of the basic principles of labour protection. Every student should know the location of nearest evacuation exit, the fire extinguisher, how to use it, etc.

#### Procedure for informing about changes in the syllabus

The possible changes in the syllabus will be announced on the department page of the of the official website of KhNMU, in the department's directory in Moodle, and at the dean-office

## **5. ACADEMIC INTEGRITY**

One of the elements of academic culture that the university instills is the student's understanding of the inadmissibility of any borrowing without proper references. Given this, the main task of teachers is to form students' skills of independent work, interest in learning and socially significant values. The first sessions will provide information on what to consider plagiarism and how to properly conduct a research search.

## **6. Recommended literature**

## Basic

1. Treasury of Kharkiv medicine. Personalities: Reference book. Kharkiv : KhNMU, 2015.
2. Ilin V. Prosopography of Kharkiv Medical Institute in 1945–1991 Inter Collegas, 2019, Vol. 6, № 2, p. 64–67.
3. The prominent Kharkiv physicians. Medical Subculture. URL: <http://31.128.79.157:8083/mod/book/view.php?id=11610>

## Supplementary sources

1. Robak I. Yu., Alkov V. A. Topical ideas of V. V. Favre in the field of public health (on the 100th anniversary of professor's death). *Public health in Ukraine – modern challenges and developing prospects : abstract book international public health conference*, Warszawa : ALUNA Publishing House, 2020, p. 1074.
2. Robak I., Demochko H., Alkov V. The last dean (celebrating professor J. R. Pensky's 160th anniversary). *Universum Historiae et Archeologiae*, 2020, Vol. 3, n. 1, p. 93–102.
3. Robak I. Yu., Alkov V. A. History of one family within the history of Europe: the Robaks genus through the lens of family stories. *Modernization of educational system: world trends and national peculiarities : III International scientific conference*, February 21th, 2020. Kaunas : Baltija Publishing, 2020, p. 40–43.
4. History of Medicine: methodical instructions for students to the practical lesson on the topic “History of Kharkiv National Medical University” for the preparation of students in specialties 222 “General Medicine”, 221 “Dentistry” / Compiled by V. Ognev, O. Semenenko, N. Martynenko O. Myakyna. Kharkiv : KhNMU, 2018. 16 p.
5. Edouard Matevossian, Hans Kern, Norbert Huser, Dietrich Doll and oth. Surgeon Yurii Voronoy (1895–1961) – a pioneer in the history of clinical transplantation: in Memoriam at the 75th Anniversary of the First Human Kidney Transplantation. *Transplant International. European Society for Organ Transplantation*, 2009, p. 1132–1139. URL: <https://onlinelibrary.wiley.com/doi/full/10.1111/j.1432-2277.2009.00986.x>

## 7. INFORMATION RESOURCES

1. Link to the discipline in MOODLE:
  - English language: <http://distance.knmu.edu.ua/course/view.php?id=5>

