MINISTRY OF PUBLIC HEALTH OF UKRAINE

KHARKIV NATIONAL MEDICAL UNIVERSITY

Faculty The VI Faculty for International Students of KhNMU Education and Research Institute for Foreign Nationals

Department of Social Sciences

Branch of knowledge 22 «Health Care»

Specialization 222 General Medicine

Educational program (degree program) second (Master) level of higher education

## SYLLABUS OF THE COURSE

«MEDICAL KHARKIV IN PERSONALITIES»

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| Syllabus of study discipline  Approved at meeting of the  Department of Social Sciences  of the KhNMU  Protocol of  “\_\_” \_\_\_\_ 2021 \_№  Head of Department  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Robak І. Ю. (signature) (surname and initials)  “\_\_” \_\_\_\_\_ \_ 2021 |  | Approved by the methodic commission KNMU  on the problem of general and pre-professional training    Protocol of  “\_\_” \_\_\_\_\_ 2021 \_\_№  chairman  \_\_\_\_\_\_\_\_\_\_\_\_ \_ Vovk O. Yu.\_  (signature) (surname and initials)  “\_\_” \_\_\_\_\_\_\_\_ 2021 |
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**The name of study discipline Medical Kharkiv in Personalities**

**The developer:** Vadym Ilin

**The information about developer who teaches the course**

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| --- | --- |
| Name | Associate professor, PhD  Vadym Ilin |
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| Schedule | According to the time-table of the educational department |
| Consultations | According to the schedule at the department information stand |
| Location | 4 Nauky Avenue, Kharkiv, Kharkiv National Medical University, main building, 3 floor, Department of Social Sciences |

**The 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.

**The general course characteristic**

"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.

**Role of the course in the system of specialists’ training**

The study and analysis of medical personnel allows to comprehend the historical image of the medical process of Kharkiv and Ukraine as a whole. Consideration and comparison of biographies, professional deeds, nature of social ties in medical circles in the context of the historical time is a valuable tool for research and reconstruction of Kharkiv medical heritage.

Therefore, there is an opportunity to systematize, analyse and generalize historical and medical research on medical personnel in order to identify methodological approaches, leading trends and forms to present the scientific biographies of physicians.

**The purpose and objectives of the course**

***The aim:*** to form in-depth knowledge about scientists who worked and work in Kharkiv and form basis of the city’s medical establishment.

***Tasks:*** According to the requirements of the standard, the discipline must ensure that students acquire the following ***competencies***:

*general competencies:*

* 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;
* GC8 – Certitude and persistence concerning set tasks and assumed responsibilities;
* GC9 – Capacity for acting in the socially responsible and conscious way.

*professional competencies:*

* 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.

Applicants for the higher education during the studying acquire cognitive and communication skills, develop leadership skills, learn to take responsibility and work in extraordinary conditions, resolve pedagogical situations and conflicts, are able to work in a team, manage their time, think logically and systematically, have creative approaches to solve the problem.

**Discipline status and format**

***Discipline status.*** The subject «Medical Kharkiv in Personalities» belongs to the elective courses.

***Discipline format.*** The format of discipline is ***mixed*** – its teaching is carried as a combination of classroom and online studying.

**Methods of studying**

The following study methods are used during the practical lessons: problem studying, the project method, work in groups, debates, making of individual reports with presentations, tests, writing of essays and reviews, visiting the museums.

* ***By the source of information***: verbal – explanation, narration; visual – presentations; practical – independent work;
* ***By the logic of the information delivery and perception***: analysis, synthesis, induction and deduction, practical mastering, situation modelling;
* ***By the nature of students’ thinking***: reproductive, problem-oriented thinking.

**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>
6. Розенфельд Макс. История медицины в лицах [History of medicine in faces (with subtitles)]. URL: <https://www.youtube.com/watch?v=mmK5j_GeXWs&list=PLlMioi7m6-DMLqT8aNuLOianuBcLKc33O>

**Prerequisites and co-requisites of the discipline**

**Prerequisites*.*** The course study requires the preliminary mastering of subjects which give a basic idea about society: “History and culture of Ukraine”, “History of Medicine”, “Philosophy”, “Medical local studies”.

**Co-requisites.** «Medical Kharkiv in Persons» has integral connection with a course “Medical subculture”.

**Program study results:**

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;

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;

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.

**The course structure**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Titles of topics | Number of hours | | | | | |
| The form of study (full-time) | | | | | |
| Total | Including | | | | |
| Lec. | Pact. | Lab | Ind. | Self |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Topic 1. Kharkiv doctors – representatives of medical science during the imperial period (early XVIII – 1916) | 6 | - | 6 | - | - | 40 |
| Topic 2. Personalities of Kharkiv physicians from the 1920s to 1945 | 4 | - | 4 | - | - | 20 |
| Topic 3. Kharkiv physicians of in the post-war Soviet period (1945–1991) | 6 | - | 6 | - | - | 20 |
| Topic 4. The Kharkiv medical circles in the time of independence | 4 | - | 4 | - | - | 20 |
| Totally for the course | 20 | - | 20 | - | - | 100 |

**Topics of lectures**

No lectures

**Topics of practices**

|  |  |  |
| --- | --- | --- |
| The order number | Titles of topics | Number of hours |
| 1 | Topic 1. Kharkiv doctors – representatives of medical science during the imperial period (early XVIII – 1916) | 6 |
| 2 | Topic 2. Personalities of Kharkiv physicians from the 1920s to 1945 | 4 |
| 3 | Topic 3. Kharkiv physicians of in the post-war Soviet period (1945–1991) | 6 |
| 4 | Topic 4. The Kharkiv medical circles in the time of independence | 4 |
| Totally for the course | | 20 |

**Self-study**

|  |  |  |
| --- | --- | --- |
| The order number | Titles of topics | Number of hours |
| 1 | Topic 1. Kharkiv doctors – representatives of medical science during the imperial period (early XVIII – 1916) | 40 |
| 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) | 20 |
| 4 | Topic 4. The Kharkiv medical circles in the time of independence | 20 |
|  | Totally for the course | 100 |

**Course values**

**Requirements**

Written assignments and homework must be submitted on time. I 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;
* susceptibility 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**

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

**Politics of academic integrity**

The plagiarism is unaccepted in the Kharkiv National Medical University. In turn the students are expected to master the recommended literature and original sources during preparation of assignments doing the references. The students are explained how to correctly cite the sources in the text, make references and describe them, how to search information.

**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

**Evaluation system and requirements**

**Types of control.** Assessment of students is carried out in accordance with the "Instructions for assessing the educational activities of students in the European credit transfer system for the organization of the educational process in the KhNMU."

The current educational activity of students is controlled by the teacher of the academic group. After the mastering each topic the teacher marks student using a 4-point (national) system. As a result of the semester the teacher automatically receives the average grade for the current educational activity with the help of the electronic register.

**Methods of control.** The current control includes following methods: individual and frontal questioning, blitz-questioning, solving situational tasks, tests, work in groups, written assignments, presentations of individual reports.

**Forms of control.** The final control is carried out at the last lesson, might include all forms of current control and provided by the study program of the discipline. According to the results of study activities, a credit of a two-point scale ("credit" - "non credit") is given.

The average grade for the current activity is converted to the multipoint scale for the courses which studying is finished with a credit.

**Conversion of the average score for current activity into a multipoint scale.**

The evaluation of the study activity is carried out according to general and professional competencies and converted into the multipoint scale.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |  |  |

**Terms of admission to the final control.** The students should get the mark for each practical lesson and should not miss any class to obtain the final grade. The total number of rating points for the study in the semester is calculated as the sum of points obtained as a result of current control and points obtained as a result of the final semester control. The maximum amount of points for the course is 200, the minimum – 120 points.

**Conformity of marks in the multipoint, 4-point (national) and ECTS scales**

|  |  |  |
| --- | --- | --- |
| Score in a 200-point scale | Score in a 4-point scale | Score in a 2-point scale |
| 180–200 | Excellent | Credit |
| 160–179 | Good |
| 150–159 | Good |
| 130–149 | Satisfactory |
| 120–129 | Satisfactory |
| Less than 120 | Unsatisfactory | Non credit |

**Elimination of the academic debt (work off)**

The student works off the academic debt according to the schedule that is presented on the department’s information board. The student must independently and qualitatively study the topic and perform assignments to be able answer orally or in writing during the meeting with a teacher.

**Final questions**

**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, І. 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. О. 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, О. Bilovol.
7. The Kharkiv obstetrics school.
8. Development of the military medicine.

Tasks for self-studying

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.

**Rules for appealing the assessment**

If a student is dissatisfied with the results of the assessment of its academic activity and wishes to appeal the assessment, the student has the right to apply to the department staff or the dean of the relevant faculty to re-assess its knowledge. If the student's requirements are justified, the department / dean office creates a special commission for re-evaluation.