INTERNATIONAL HIGHER SCHOOL OF MEDICINE

Department of Public Health

SYLLABUS

HISTORY OF MEDICINE

2027- 2027 academic year
for students of medical faculty
1rd year 2 semester 1-6 groups
1 credits (30h, including 18 class hours, 12 hours of independent study)

Lecturer: **Dr. Elena Ten**, MD, PhD
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Venue: Zoom

Practical classes:
Dr. Elena Ten, MD, PhD
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Venue: str. Intergelpo 1F Dean office. floor 5th room 511

The Syllabus is considered
at the meeting of the department of Public Health
Protocol № 1 dated 27 August 2026

Head of the department_____K.O. Dzhusupov

Course objectives To reveal the common patterns of the historical development of medicine from ancient times to the present day. To explore the relationship between medical science and practice worldwide. To illustrate the development of key aspects of medical ethics in different periods and countries. To understand the essence and social significance of one's future profession and to demonstrate a sustained interest in it.

After study of the discipline the student must have:

Knowledge: Basic laws and trends in the development of the world historical process. Prominent figures in medicine and pharmacy, outstanding medical discoveries, the influence of humanistic ideas on medicine.

Fundamental concepts and regularities of historical development; functions and methods of historical research. Social, ethnic, religious, and cultural characteristics of representatives of various social communitie

Skills: Competently and independently analyze and evaluate the social situation and carry out activities taking into account the results of this analysis. Study scientific medical information, omestic and foreign experience on the research topic.

Apply historical methods and research functions in evaluating attitudes toward historical heritage.

Work in a team, taking into account the social, ethnic, religious, and cultural characteristics of representatives of different social communities in the process of professional interaction within the team, tolerantly perceiving these differences.

Attitude: Ability in presenting an independent point of view, analysis, and logical reasoning, public speaking, moral-ethical argumentation, conducting discussions and roundtable sessions, adherence to the principles of medical deontology and medical ethics. Ability for make historical research; the ability to use historical knowledge for evaluating historical heritage and traditions. Adherence to ethical norms related to social, ethnic, religious, and cultural differences in the process of working within a team.

Pre-requisites:Before this course it is recommended to complete the courses of School course in history, Medical biology, Chemistry (general and bioorganic).

Post-requisits: Microbiology, General Hygiene, General Surgery, Epidemiology, Infectious diseases

THEMATIC PLAN OF LECTURES

№	The lecture topic	Time	Dates
1	Introduction to the course	2	9.09.26
2	Medicine in Medieval time, Renaissance	2	10.09.26
3	Revolution in medicine XIX – early XX century	2	11.09.26
4	The modern medicine and challenges	2	14.09.26
	Total	**8**	

THEMATIC PLAN OF PRACTICAL CLASSES

№	Theme of practical class	Time	Dates
1	Medicine in Primitive Societies, the Ancient World, and Ancient Eastern Countries.	2	18.09.26-25.09.26
2	Medicine in the Middle Ages and the Renaissance.	2	2.10.26- 9.10.26
3	Analysis of Medical Discoveries from the 19th to the early 20th Century.	2	16.10.26.- 23.10.2026

4	Contemporary Challenges and Ethical Issues. International Collaboration in Healthcare.	2	30.10.26-6.11.2026
5	Unit	2	13.11.26.-20.11.26
	Total	**10**	

THEMATIC PLAN OF INDEPENDENT WORK OF STUDENTS

№	Theme of independent work	Hours	Date
1.	Medicine in Primitive Societies, the Ancient World, and Ancient Eastern Countries.	2	18.09.26-25.09.26
2.	Medicine in the Middle Ages and the Renaissance (History of epidemics, main discoveries, famous physicians and medical scientists)	2	2.10.26- 9.10.26
3.	Analysis of Medical Discoveries from the 19th to the early 20th Century.	2	16.10.26.- 23.10.2026
4.	Contemporary Challenges and Ethical Issues. International Collaboration in Healthcare.	2	30.10.26- 6.11.2026

Recommended reading for the discipline:

#1. Basic

1. Magner, L.N., & Kim, O. (2017). A History of Medicine (3rd ed.). CRC Press. https://doi.org/10.1201/9781315113814
2. Savas, Serdar B & World Health Organization. Regional Office for Europe. (1998).
3. Health care reform in central Asia : managing the change : MANAS National Programme on Health Care Reforms 2000-2006 / by B. Serdar Savas. Copenhagen : WHO Regional Office for Europe
2. Savas, Serdar B & World Health Organization. Regional Office for Europe. (1998). Health care reform in central Asia : managing the change : MANAS National Programme on Health Care Reforms 2000-2006 / by B. Serdar Savas. Copenhagen : WHO Regional Office for Europe

2.Additional

1. Mukherjee, Siddhartha. "The Emperor of All Maladies: A Biography of Cancer." Scribner, 2010.
2. Nuland, Sherwin B. "Doctors: The Biography of Medicine." Vintage, 1995.
3. Conrad, Peter. The Medicalization of Society: On the Transformation of Human Conditions into Treatable Disorders. Johns Hopkins University Press, 2007.
4. Michael Bliss. The Making of Modern Medicine: Turning Points in the Treatment of Disease. 2009. Quercus. https://worldcat.org/title/587209667
5. Roy Porter. The Greatest Benefit to Mankind: A Medical History of Humanity".1997. W.W. Norton & Company. https://worldcat.org/title/985345835
6. Paul Strathern. A Brief History of Medicine". 2009. Pegasus Books. https://worldcat.org/title/60930790
7. Robert B. Baker, Laurence B. McCullough, and Ezekiel J. Emanuel. The Cambridge World History of Medical Ethics. 2009. Cambridge University Press. https://worldcat.org/title/819158956

Grading policy and procedures for all types of work

1. The assessment of student academic achievements in all types of assessments (ongoing performance evaluation and midterm certification) is conducted using a point-rating system.
2. During the course of studying the discipline, a student accumulates points based on corresponding parameters (per unit):

3. Ongoing performance - 40 points
4. Individual Assignment - 20 points
5. Midterm Assessment (final knowledge evaluation) - 40 points
6. Maximum score - 100 (40+20+40)
7. For violations of the policy of conduct, the overall discipline score is reduced by a maximum of 10 points.

Grading system for student's achievements

Criteria for grading a discipline				
Maximum score	Intervals			
	«unsatisfactory»	«satisfactory»	«good»	«excellent»
Current control - 40	0-23	24-30	31-35	36-40
Interval Criteria	Does not answer the questions asked or responds off-topic.	Answers questions incompletely; does not understand the essence of the material read.	Answers questions incompletely but fully understands the essence of the material read.	Fully answers questions, completely reveals the essence of the material.
Independent work – 20	0-11	12-15	16-17	18-20
Interval Criteria	can not independently work with scientific, educational, reference literature; cannot solve test tasks and situational problems	The content of the assignment partially corresponds to the stated topic; includes some ready-made slides from the internet.	The content of the presentation corresponds to the stated topic; it is clear, concise, and logically presented; the assignment does not have a list of references.	The content of the presentation corresponds to the stated topic; it is clear, concise, and logically presented; the presentation is prepared and delivered within the time limit and is easy to understand.
Control work (module)- 40	0-23	24-30	31-35	36-40
Interval Criteria	Test results correspond to 0 - 59% correct answers out of the total number of questions	Testing corresponds to the results of 60 - 75% of correct answers from the total number of questions	Testing corresponds to the results of 76-89% of correct answers from the total number of questions	Testing corresponds to the results of 90-100% of correct answers from the total number of questions

Conduct Policy: (lateness, absence, behavior in the auditorium, late submission of work).

- Punctuality and completion of tasks.
- Mandatory attendance of classes.
- Attending class in a clean medical uniform.
- Eliminating conversations on a cell phone in the classroom.
- Active participation in the learning process.
- Doing homework on time.
- Academic detention at the time specified by the teacher.

For violations of the Conduct Policy, the total points for discipline might be reduced to 1-10 points.

Academic Ethics Policy.

- Be tolerant, respect the opinions of others.
- Formulate objections in the correct form.
- Constructively support feedback in all classes.
- Plagiarism and other forms of dishonest work are unacceptable. Plagiarism includes the following: the absence of references when using printed and electronic materials, quotes, thoughts and works of other authors or students.
- Prompting and cheating during tests, exams, classes is unacceptable as well as passing an exam for another student, unauthorized copying of materials.

For violations of the Academic Ethics Policy, the total points for the discipline may be reduced to 1-10 points.

Guidelines for the lessons of the discipline

Key questions covered in lesson 1.

1. The purposes and problems of history of medicine as a science.
2. What related subjects are a part of a science. On what the primitive medicine was based. How you explain laws of historical development of medicine.
3. Medicine of the Mesopotamia. Code of Hammurabi. Concept of medicine in Egypt. 4. 450 - 300 cc:
4. Greeks and Romans. Hippocrates. Times of the Homer and ancient myths

Recommended reading for the lesson:

1. Magner, L.N., & Kim, O. (2017). A History of Medicine (3rd ed.). CRC Press. https://doi.org/10.1201/9781315113814
2. Roy Porter. The Greatest Benefit to Mankind: A Medical History of Humanity".1997. W.W. Norton & Company. https://worldcat.org/title/985345835

Key questions for lesson 2

1.Healing and medicine of the periods early (V-X centuries) and Developed (XI-XV centuries) the Middle Ages.
2. The scholastic period of religious medieval philosophy. The period of the Early Middle Ages (V - X centuries). The period of the Late Middle Ages (XI-XV centuries). An epoch of the Renaissance (1500-1750).
3. Religion and Medicine. Illnesses of Middle Ages.
4. Middle Ages Medicine Representatives.
5. Medicine in Renaissance

Recommended reading for the lesson:

1. Magner, L.N., & Kim, O. (2017). A History of Medicine (3rd ed.). CRC Press. https://doi.org/10.1201/9781315113814
2. Roy Porter. The Greatest Benefit to Mankind: A Medical History of Humanity".1997. W.W. Norton & Company. https://worldcat.org/title/985345835

Key questions for lesson 3

1. Main discoveries in the medicine in the 20th century. Genetics. Surgery. Contagious illnesses treatment.
2. Immunization problems. Application of Radioactivity in medicine.
3. Heart Illnesses. Hormonal therapy.

Recommended reading for the lesson:

1. Magner, L.N., & Kim, O. (2017). A History of Medicine (3rd ed.). CRC Press. https://doi.org/10.1201/9781315113814

2. Roy Porter. The Greatest Benefit to Mankind: A Medical History of Humanity".1997. W.W. Norton & Company. https://worldcat.org/title/985345835

Key questions for lesson 4

1. Genetically treatment. Methods of Diagnosis.
2. Personal Medicine. New Technical decisions.
3. Nanotechnology in Medicine. Perspective methods of diagnosis.
4. Genetic engineering technologies

Recommended reading for the lesson:

1. Magner, L.N., & Kim, O. (2017). A History of Medicine (3rd ed.). CRC Press. https://doi.org/10.1201/9781315113814

2. Roy Porter. The Greatest Benefit to Mankind: A Medical History of Humanity".1997. W.W. Norton & Company. https://worldcat.org/title/985345835

Methodological instructions for the implementation of independent work on the discipline

Writing assignments must be presented in the following format, 12-font, and double-spaced.

Projects and presentations must be completed or turned in on the assigned due date. No late assignments will be accepted. If you know in advance that you will have to miss a class in which an assignment is due, you may plan with the instructors to turn the assignment in early.

Assignments for Working off missed class are mandatory (max – 20 for class activity only, an excused absence is still an absence): Prepare the abstract or Power Point presentation on the topic of missed classes and answer the questions

Requirements for the implementation of the abstract:

- To be submitted in electronic and printed form / 2 slide on page and short notes,
- To be typed in Times New Roman 12, 1.5 interval / avoid long texts in slides of the ppt.
- Can be hand written
- The first page / slide should contain the full name of the student, group, semester, the name of the abstract, the data of teacher, the filing date of the abstract.
- Contain parts: introduction, main part, findings / conclusions, list of references, resource.
- The total essay 6 - 7 pages.