Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA NAMED AFTER
PATRICE LUMUMBA
RUDN University

Institute of Medicine

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

History of Medicine

course title

Recommended by the Didactic Council for the Education Field of:

31.05.03 Dentistry

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Dentistry

higher education programme profile/specialisation title

2023-2024

1. COURSE GOAL(s)

The goal of the course "**History of Medicine**" is to equip students with the knowledge of history, appropriateness and logic development of healing, medicine, medical activities and Public Health from Early being of mankind till our days in different civilizations in context of the World History; to demonstrate an interaction of national and international factors in development of medical knowledge and practice in different parts of the World; to acquaint students with the key advances and discoveries in different fields of Medicine, Surgery, Dentistry, Public Health, and their pioneers; to show the peculiarities of Medical ethics in different civilizations in different times.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "**History of Medicine**" is aimed at the development of the following competences /competences in part GC–1, 5, GPC–1.

Table 2.1. List of competences that students acquire through the course study

Competence code	Competence descriptor	Competence formation indicators (within this course)
GC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy	GC-1.2. Assessing in a critical way the reliability of information sources, working with contradictory information from different sources
GC-5	Being able to analyse and take into account cultural diversity in the process of intercultural communication	GC-5.1. Understanding communication rules, traditions and norms of foreign countries
GPC-1	Being able to implement moral and legal norms, ethical and deontological principals in professional activity	GPC-1.2. Being able to present professional information in the process of intercultural interaction observing the principles of ethics and deontology

3. THE COURSE in THE HIGHER EDUCATION PROGRAMME STRUCTURE

The course '**History of Medicine**' refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
GC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy	Philosophy, Main Bio-medical sciences (Anatomy, Biology and Genetics, Histology and Embryology, Microbiology, Physiology), Latin	Every following clinical subject: Internal Diseases, Surgery, Traumatology, Dentistry, Obstetrics and Gynaecology, Infectious diseases and Epidemiology, etc.
GC-5	Being able to analyse and take into account cultural diversity in the process of intercultural communication	World History, National History, Philosophy, Latin	Every following clinical subject: Internal Diseases, Surgery, Traumatology, Dentistry, Obstetrics and Gynaecology, Infectious diseases and Epidemiology, etc.
GPC-1	Being able to implement moral and legal norms, ethical and deontological principals in professional activity	Philosophy, Main Bio-medical sciences (Anatomy, Biology and Genetics, Histology and Embryology, Microbiology, Physiology), Latin	Every following clinical subject: Internal Diseases, Surgery, Traumatology, Dentistry, Obstetrics and Gynaecology, Infectious diseases and Epidemiology, etc.

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course '**History of Medicine**' is 2 credits (72 academic hours).

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (__**full-time training**__)**

Type of academic activities	Total academic hours	Semesters/training modules
		IV
Contact academic hours	49	49
Including:		
Lectures (LC)	32	32
Lab work (LW)		
Seminars (workshops/tutorials) (S)	17	17
Self-studies	19	*19*
Evaluation and assessment (exam/passing/failing grade)	*4*	*4*

Type of academic activities		Total academic hours	Semesters/training modules
			IV
Course workload	academic hours	72	72
	credits	2	2

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Introduction. Early kinds of healing	**Topic 1** 1.0. Introduction. 1.1. Formation of human society, and early kinds of healing 1.2. Healing during the maturity of prehistoric society 1.3. Healing during the decline of prehistoric society 1.4. Folk medicine	LC, S
Healing and Medicine in Ancient East civilizations	**Topic 2** 2.1. Common characteristics of healing and Medicine in Ancient civilizations 2.2. Healing and Medicine in Ancient Mesopotamia (Sumer, Babylonia, Assyria) 2.3. Healing and Medicine in Ancient Egypt	LC, S
	Topic 3 3.1. Healing and Medicine in Ancient India 3.2. Healing and Medicine in Ancient China	LC, S
Healing and Medicine in Ancient Mediterranean countries	**Topic 4** LC, S	LC,S
	Topic 5 5.1. Healing and Medicine in Ancient Rome	LC, S
Medieval Medicine (V–XV centuries)	**Topic 6** 6.1. Medicine in the Byzantine Empire 6.2. Medicine in the Caliphates (VII–X centuries) 6.3. Medicine in Middle and Central Asia (X–XV centuries)	LC, S

	Topic 7 7.1. Medicine in Medieval Western Europe (V–XV centuries) 7.2. Medicine in Medieval Rus (IX–XV centuries)	LC, S
Medicine in Early Modern Time (XV – early XVII century)	Topic 8 8.1. Renaissance Medicine in Western Europe	LC, S
	Topic 9 9.1 Medicine in the Americas before and after the conquest (Mayas, Aztecs, Incas) 9.2. Medicine in the Russia State (XV–XVII centuries)	LC, S
Bio-medical Sciences in Modern Time (mid XVII–XIX century)	Topic 10 10.1 The greatest discoveries in natural sciences 10.2. Biology and Genetics 10.3. Anatomy 10.4. Histology and Embryology 10.5. Pathology 10.6. Microbiology	LC, S
	Topic 11 11.1. Physiology and Experimental Medicine	LC, S
Clinical Medicine in Modern Time (mid XVII–XIX century)	Topic 12 12.1. Internal Medicine. The first physical methods for clinical examination. Medical education in Russia 12.2. The Russian medicine and education in XVIII–XIX centuries 12.3. Infectious diseases and Epidemics	LC, S
	Topic 13 13.1. Problems and progress of Surgery in Modern Time. 13.2. History of Nursing	LC, S
Medicine and Public Health in the XX century. History of Medical Ethics	Topic 14 14.1. History of Nobel Prizes. The Nobel prizes in Physiology or Medicine 14.2. Medicine and Public Health in Russia in the late XIX – XX century 14.3. International co-operation in Public Health and Medicine (International Red Cross; World Health Organization; World Physicians against the Nuclear War)	LC, S

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)

	A set of specialized furniture:	*Technical equipment*:
Lecture	All necessary equipment for lecture presentations.	– projector TOSHIBA X200, – notebook ASUS F9E Core 2 DUO T5750, – Internet. *Programme Support*: – Microsoft products (OC, including MS Office/ Office 365, Teams, Skype)
Seminar	A set of specialized furniture: wall-expositions devoted to different periods of the World History of Medicine and RUDN history, show-cases holding literature recommended for students, books on the history of RUDN, other displays on the World History of Medicine.	*Technical equipment*: – HP Presario SG3531RU DualCore, – monitor Benq FP95G 19, – projector Epson EB-X03LCD 2700Lm, – screen 4302. *Information and expositions*: – pictures and portraits of famous scientists; – books on the World History of Medicine; – the World map; – Information decks in Russian and English.
Self-studies	Halls at the first, the second and the third levels of the Medical Institute building; Scientific Library at the main University building.	

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Sorokina T.S. History of medicine: in 2 volumes - Textbook for students. higher honey. textbook establishments. - 14th ed., stereotype. (marked by the Ministry of Education of the Russian Federation). - M.: Publishing Center "Academy", 2021. - 288 and 352 p. (in Russian).
2. Sorokina T.S. Educational and methodological complex of the discipline "History of Medicine" in the specialty 31.05.01. "Dentistry". – M.: RUDN University, 2018. – 80 p. (in Russian).
    Additional readings:

1. *Balalykin D.A*. The History of Russian Surgery: Selected Pages. M. LLC Publishing house "Practical medicine". 2017. 288 p.
2. *Bynum W*. The History of Medicine. A very Short Introduction. Oxford. 2008. 170 p.
3. *Ellis, Harold*. A History of Surgery. London:Greenwich Medical Media Ltd; 2002. 264 p.

4. *Ermolayev A.V., Sorokina, T.S.* On the History of discovery of bacteriophages // History of Medicine. 2018. №1. C. 78-84.
5. *Pashkov K.A.* Dental Science and Dentistry in Russia. Riga; 2013. 247 p.
6. *Porter, Roy.* The Greatest Benefit to Mankind: A medical history of humanity from Antiquity to the Present. London: Fontana Press; 1999. 833 p.
7. *Sorokina T.S.* Russian nursing in the Crimean War // The Journal of the Royal Society of Physicians of London. — 1995. Vol. 29. No 1. P. 57–63.
8. *Sorokina T.S.* Nursing in the Russian-Turkish wars (1853–1856, 1877–1878) // Proceedings: 38th International Congress on the History of Medicine. In three vol. Vol. 2. Ankara, 2004. P. 1025–1028.
9. *Sorokina T.S.* Zemstvo physician – a prototype of modern General Practitioner // 40th International Congress on the History of Medicine. August 26-30, 2006. PROCEEDINGS. V. 1. – Budapest, 2006. P. 215-218.
10. *Sorokina T.S.* Hypoxia: from the first historical documents to prevention and treatment // Journal "Analecta Historico Medica". Año VI. № 1. 2008. P. 179–190.
11. *Sorokina T.S.* The Great Russian Surgeon Nikolay Ivanovich Pirogov (1810–1881) (bicentenary of his Birthday) // Vesalius: Acta Internationalia Historiae Medicinae. 2011. Vol. XVII. №1. P. 10–15.
12. *Sorokina T.S.* A Victory over the Plague in Moscow 1770–1772. In: Vesalius: Acta Internationalia Historiae Medicinae. June, 2013. XIX (1): 11–18.
13. *Sorokina T.* Eugeny Tareyev (1895-1986), a founding pioneer of Nephrology in Russia, and Europe. Journal of Nephrology. November-December 2013; 26:22:60-62.
14. *Sorokina, Tatiana S.* "The Great Silk Road" and the first Description of Hypoxia // In: Vesalius: Acta Internationalia Historiae Medicinae. Vol. XXII, No. 2 (Supp), December, 2016: 53–58.
15. *Sorokina, Tatiana S.* Teaching and Learning of the History of Medicine at Peoples' Friendship University of Russia (RUDN University). In: Vesalius: Acta Internationalia Historiae Medicinae. – Vol. XXVI, No. 1, June 2020 e-supplement: 286–297.
16. *Sorokina T.S.* The unknown Zabludovsky: his early years // History of Medicine. 2021; 7(1): 59–69.
17. *Subotyalov M.A., Sorokina T.S.* The History of the development of neuroendoscopy // History of Medicine. The Russian journal. 2019; (6)3: 158–162.

7.2. Internet-based Sources

1	Learning toolkits for self-studies in the RUDN LMS TUIS	http://esystem.pfur.ru
2	Electronic Library System (ELS) of the RUDN University	http://lib.rudn.ru/MegaPro/Web
3	University library online	http://www.biblioclub.ru
4	Wellcome Library	https://wellcomecollection.org/
5	Electronic library of the MSMDU Department for the History of Medicine	http://www.historymed.ru
6	Electronic library of the Russian State Library (RSL – РГБ)	http://www.rsl.ru/
7	Electronic library of manuals	http://studentam.net/

Training toolkit for self- studies to master the course *:

1. The set of lectures on the course "History of Medicine"
* The training toolkit for self- studies to master the course s placed   on the course page in the university telecommunication training and information system under the set procedure.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL UPON COURSE COMPLETION

The assessment toolkit and the grading system* to evaluate the competences formation level (**GC–1, 5; GPC–1**) upon the course study completion are specified in the Appendix to the course syllabus.

* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

DEVELOPER:

Professor of the Department for the History of Medicine		T.S. Sorokina
position, department	signature	name and surname

HEAD of the Department

for the History of Medicine:		Ev.L. Panova
name of the department	signature	name and surname

HEAD of the Higher Education Program:

Deputy Director of MI for Dentistry, Professor		S.N. Razumova
position, department	signature	name and surname