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**Peoples' Friendship University of Russia
named after Patrice Lumumba
(RUDN University)**

Institute of Medicine

COURSE SYLLABUS

Subject title:

‘HISTORY of MEDICINE’

Recommended by the Didactic Council for the Educational Field of
31.05.03 ‘Dentistry’

Higher Education Field
‘31.05.03 Dentistry’

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

Dentistry

Academic year – the 2nd

Semester – the 3rd

Workload – 2 credit units

Educational Department for the History of Medicine



Moscow

Peoples' Friendship University of Russia

2024

1. THE GOALS of MASTERING THE DISCIPLINE:

The main goals of the course “**History of Medicine**” are the following: to study 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, Public Health, and their pioneers; to show the peculiarities of Medical ethics in different civilizations in different times.

2. REQUIREMENTS to LEARNING OUTCOMES

The course “**History of Medicine**” is expected to increase knowledge in the History of Science and contribute to the formation of the following competencies of students:

Universal Competences (UC–1 and UC–5),

General Professional Competences (GPC–1)

(in accordance with the Federal State Educational Standard of Higher Education (FSES HE 3++), for Programme 31.05.03. **Dentistry**).

Table 2.1. Competences formed by students studying the discipline ‘History of Medicine’

Competence Code	Competence	Indicators of Competence Formation (within the framework of this discipline)
UC-1	UC-1. Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy	UC-1.3. Assessing in a critical way the reliability of information sources, working with contradictory information from different sources
UC-5	UC-5. Being able to analyse and take into account cultural diversity in the process of intercultural communication	UC-5.4. Ensuring the creation of a non-discriminatory communication environment when performing professional tasks.
GPC-1	GPC-1. Being able to implement moral and legal norms, ethical and deontological principals in professional activity	GPC-1.1. Observing bases of medical ethics and deontology; legal bases in healthcare; legal aspects of medical practice.

3. THE COURSE in THE HIGHER EDUCATION PROGRAMME STRUCTURE

The subject ‘History of Medicine’ is a compulsory discipline taught within the Block 1 (B1) of Humanitarian, Social and Economic Subjects of Higher Medical Education.

Students doing ‘**Dentistry**’ study the subject ‘History of Medicine’ at the third semester (at the 2nd academic year). Within the framework of the Educational Program, students also master other disciplines (and practices) that contribute to learning outcomes of the course “History of Medicine”.

Table 3.1. List of Higher Education Programme disciplines that contribute to expected leaning outcomes

Cord	The competences	Previous disciplines	Subsequent disciplines
Universal Competences (UC)			
UC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy	Philosophy, Latin , Main Bio-medical sciences (Anatomy, Biology and Genetics, Histology and Embryology, Microbiology, Physiology)	Every following clinical subject: Internal Diseases, Dentistry, Surgery, Obstetrics and Gynaecology, Traumatology, Infectious diseases and Epidemiology, etc.
UC-5	Being able to analyse and take into account cultural diversity in the process of intercultural communication	World History, Russian History, History of Religions , Russian/Foreign language , Philosophy	Every following clinical subject: Internal Diseases, Dentistry, Surgery, Obstetrics and Gynaecology, Infectious diseases and Epidemiology, Traumatology, Hygiene , etc.
General Professional Competences (GPC)			
GPC-1	Being able to implement moral and legal norms, ethical and deontological principals in professional activity	Psychology and Pedagogics , Latin, Main Bio-medical sciences (Anatomy, Biology and Genetics, Histology and Embryology, Microbiology, Physiology)	Every following clinical subject: Internal Diseases, Dentistry, Surgery, Obstetrics and Gynaecology, Traumatology, Infectious diseases and Epidemiology, etc.

4. THE DISCIPLINE WORKLOAD and ACADEMIC ACTIVITIES

For the students doing ‘**Dentistry**’ the course ‘**History of Medicine**’ total workload is equal to **2** credit units (**72** academic hours, including lectures, seminars, and self-studies).

Table 4.1. Types of Academic Activities and Workload of the discipline “History of Medicine”

	Types of activities	Academic hours	Ac.hours incl.	Semester 3
1.	Classroom learning	51		51
	<i>Including:</i>			
1.1.	Lectures (L)		34	34
1.2.	Seminars (S)		17	17
2.	Self-studies	18		18
	<i>Including</i>			
2.1.	Course paper (on the History of Medicine)		8	8
2.2.	Other kinds of self-studies		10	10
3.	Evaluation and assessment (pass/fail grading)	3		3
The total workload of the discipline		Academic hours	72	72
		Credits	2	2

5. THE COURSE MODULES and CONTENTS

Syllabus of discipline “**History of Medicine**” includes **8** modules divided into **14** topics.

Table 5.1. Contents of Modules and Topics

№	Module	Topic №	Contents of Modules and Topics	L,S
Module I	Early kinds of healing	Topic 1	Introduction. Early kinds of healing in Primeval Era	L+S
Module II	Healing and Medicine in Ancient East Civilizations	Topic 2	Healing and Medicine in Ancient Mesopotamia (Sumer, Babylonia, Assyria) and Ancient Egypt	L+S
		Topic 3	Healing and Medicine in Ancient India and Ancient China	L+S
Module III	Healing and Medicine in Ancient Mediterranean countries	Topic 4	Healing and Medicine in Ancient Greece	L+S
		Topic 5	Healing and Medicine in Ancient Rome	L+S
Module IV	Medieval Medicine (V–XV centuries)	Topic 6	Medicine in the Byzantine Empire and Medieval East (the Caliphates; Middle and Central Asia	L+S
		Topic 7	Medicine in Medieval Western Europe (V–XV centuries) and Medieval (Old) Russ (IX–XV centuries)	L+S
Module V	Medicine in Early Modern Time (XV – early XVII century)	Topic 8	Renaissance Medicine in Western Europe	L+S
		Topic 9	Medicine in Pre-Hispanic Americas before and after the conquest (Mayas, Aztecs, Incas) and in the Russia State (XV–XVII centuries)	L+S

Module VI	Biological Sciences and Medicine in Modern Time (mid XVII – early XIX century)	Topic 10	Medico-Biological Sciences in Modern Time (Biology and Genetics, Anatomy, Histology, Pathology, Microbiology)	L+S
		Topic 11	Medico-Biological Sciences in Modern Time (Physiology and Experimental Medicine)	L+S
Module VII	Clinical Medicine in Modern Time (mid XVII – early XIX century)	Topic 12	Clinical Medicine in Modern Time (Internal diseases; Infectious diseases and Epidemics)	L+S
		Topic 13	Clinical Medicine in Modern Time (Problems and progress of Surgery; History of Dentistry)	L+S
Module VIII	Medicine and Public Health in the XX century	Topic 14	Medicine and Public Health in the XX century (History of the Nobel Prizes in Physiology or Medicine; Medicine and Public Health in Russia in XIX–XX centuries; International co-operation in Public Health and Medicine)	L+S

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom Equipment and Technology Support Requirements

Classroom for Academic Activity Type	Classroom Equipment	Technology Support Requirements
Lecture hall	<ul style="list-style-type: none"> • A set of specialized furniture: • All necessary equipment for lecture presentations. 	<p><u>Technical equipment:</u></p> <ul style="list-style-type: none"> – Computer, monitor, projector TOSHIBA X200, – notebook ASUS F9E Core 2 DUO T5750, screen, microphone, – Internet. <p><u>Programme Support:</u></p> <ul style="list-style-type: none"> – Microsoft products (OC, including MS Office/ Office 365, Teams, Skype)
Seminars classroom № 317 MI	<ul style="list-style-type: none"> • 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. 	<p><u>Technical equipment:</u></p> <ul style="list-style-type: none"> – Computer, HP Presario SG3531RU DualCore, – monitor Benq FP95G 19, – projector Epson EB-X03LCD 2700Lm, – screen 4302, microphone. <p><u>Information and expositions:</u></p> <ul style="list-style-type: none"> – pictures and portraits of famous scientists; – books on the World History of Medicine; – the World map; – Information decks in Russian and English

Self-studies classroom	<ul style="list-style-type: none"> • Halls at the first, the second and the third levels of the Medical Institute building; • Scientific Library at the main University building. 	<u>Technical equipment:</u> – Computer , HP Presario SG3531RU DualCore, – monitor Benq FP95G 19, – projector Epson EB-X03LCD 2700Lm, – screen 4302, microphone
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7. RECOMMENDED SOURCES for COURSE STUDIES

7.1. Literature and Methodical Support of the subject

a) Main reading (basic text-book and manual):

1. Sorokina T.S. **Teaching materials on the subject ‘History of Medicine:** for students doing Programme 31.05.03 ‘Dentistry’. Moscow: RUDN; **2023**. – 80 с.
2. Сорокина Т.С. **История медицины:** в 2-х т. – Т. 1. – Учебник для студ. высш. мед. учеб. заведений. – 15-е изд., стереотип. (*гриф Минобразования РФ*). – М.: Издательский центр "Академия", **2023**. – 288 с. (*in Russian*).
3. Сорокина Т.С. **История медицины:** в 2-х т. – Т. 2. – Учебник для студ. высш. мед. учеб. заведений. – 15-е изд., стереотип. (*гриф Минобразования РФ*). – М.: Издательский центр "Академия", **2023**. – 352 с. (*in Russian*).

б) Further 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. Bynum W.F. and Porter Roy (eds.). **Companion Encyclopedia of the History of Medicine,** 2 vol. London: Routledge, 1992.
4. Calman, Kenneth C. **Medical Education. Past, Present and Future:** Handing on learning. Churchill Livingstone Elsevier, 2007. 543 p.
5. Cooter, Roger and Pickstone, John (eds.). **Medicine in the Twentieth Century.** Amsterdam: Harwood Academic Publishers, 2000.
6. Ellis, Harold. **A History of Surgery.** London: Greenwich Medical Media Ltd; 2002. 264 p.
7. Jackson, Mark (eds.). **The Oxford Handbook of the History of Medicine.** Oxford: Oxford University Press, 2013.
8. Jackson, Mark. **The History of Medicine. A beginner’s Guide.** London: Oneworld Publications, 2016. 238 p.
9. Pashkov K.A. **Dental Science and Dentistry in Russia.** Riga; 2013. 247 p.
10. Pormann, Peter and Savage-Smith, Emilie. **Medieval Islamic Medicine.** Edinburgh: Edinburgh University Press, 2007.
11. Porter, Roy (eds.). **Medicine in the Enlightenment.** Amsterdam: Rodopi, 1995.
12. Porter, Roy. **The Greatest Benefit to Mankind:** A medical history of humanity from Antiquity to the Present. London: Fontana Press; 1999. 833 p.
13. 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.

14. *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.
15. *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.
16. *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.
17. *Sorokina T.S. A Victory over the Plague in Moscow 1770–1772*. In: *Vesalius: Acta Internationalia Historiae Medicinae*. June, 2013. XIX (1): 11–18.
18. *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.
19. *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.
20. *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-suppl.: 286–297.
21. *Strathern, Paul. A Brief History of Medicine from Hippocrates to Gene Theory*. London77: Robinson, 2005.
22. *The Western Medical Tradition, 800 BC – AD 1800*. Cambridge: Cambridge University Press, 1995.

7.2. Internet-based Sources

Table 7.2.1. Internet Sources

ELS of RUDN and others		
№	Databases and search sources	Site address
1	14 video-lectures (by T.S. Sorokina) on the History of Medicine in TUIS RUDN	http://esystem.rudn.ru/mod/lesson/view.php?id=
2	Learning toolkits for self-studies in the RUDN LMS TUIS	http://esystem.pfur.ru
3	Electronic Library System (ELS) of the RUDN University	http://lib.rudn.ru/MegaPro/Web
4	University library online	http://www.biblioclub.ru
5	ELS Wellcome Library	https://wellcomecollection.org/
6	Electronic library of the MSMDU Dpt. for the History of Medicine	http://www.historymed.ru
7	Electronic library of the Russian State Library (RSL – РГБ)	http://www.rsl.ru/
8	Electronic library of manuals	http://studentam.net/
9	Electronic library system Urait	http://www.biblio-online.ru
Databases and search systems		
10	Electronic Fund of Low and Technical documentation	http://docs.cntd.ru/
11	Yandex	https://www.yandex.ru/
12	Google	https://www.google.ru/

13	SCOPUS	http://www.elsevierscience.ru/products/scopus/
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Таблица 7.3.2. Video-lectures (by T.S. Sorokina) in Internet

№	Site address
1	«Medicine in Ancient Greece» on TV ‘Kultura’, Programme ‘Academia’. https://tvkultura.ru/anons/show/episode_id/160878/brand_id/20898/ https://tvkultura.ru/anons/show/episode_id/161224/brand_id/20898/
2	«Medicine in Pre-Hispanic America»: http://www.historymed.ru/encyclopedia/video_links/index.php?.ELEMENT_ID=2256
3	«Problems and success of Surgery in Modern Time»: http://www.historymed.ru/encyclopedia/video_links/index.php?.ELEMENT_ID=2257

8. EVALUATION TOOLKIT and GRADE SYSTEM FOR ASSESSMENT

Evaluation Toolkit (ET) and a Point-Rating System (PRS) ¹ for assessment the level of competence formation (part of competencies) based on the results of mastering the discipline "History of Medicine" are presented in the Appendix to this Work Program of the discipline.



DEVELOPER:

Honored worker of Higher Education of the Russian Federation,
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¹ ET and PRS are formed on the basis of the requirements of the relevant local regulatory act of the RUDN.