

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **HISTORY OF PHARMACY**

Specialty: **33.05.01 PHARMACY**

(code, name)

Qualification: **GENERAL PRACTITIONER**

Department: **SOCIAL AND HUMANITY SCIENCES**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **108 academic hours**

Nizhny Novgorod
2021

The working program has been developed in accordance with the Federal State Educational Standard for the specialty _____,
(code, name)
approved by Order _____ No. _____
dated _____ 20____ .

EXAMPLE: The working program has been developed in accordance with the Federal State Educational Standard for specialty 31.05.01 GENERAL MEDICINE approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020.

Developers of the working program:

Full name, academic degree, title, position.

The program was reviewed and approved at the department meeting (protocol No. 01 June 2021,
date)

Head of the Department,
academic degree, academic title _____ (print name)
_____ (signature)

01 June 2021

AGREED

Deputy Head of EMA ph.d. of biology _____ Lovtsova L.V.

01 June 2021

1. The purpose and objectives of mastering the academic discipline the study of the history, patterns and logic of the development of healing, medical activity of the peoples of the world throughout the history of mankind through creative cooperation in humanitarian knowledge:

1.1. The purpose of mastering the discipline: (*participation in forming the relevant competencies*).

1.2. Tasks of the discipline:

1. to train students to apply the skills of critical thinking and objective analysis in relation to historical phenomena, achievements and prospects of development of modern medicine and pharmacy;

2. to show the general patterns of the world–historical process of formation and development of medicine and pharmacy in various countries of the world from ancient times to our time;

3. to reveal the achievements of ancient civilizations and each epoch in the field of medicine and pharmacy in the context of the progressive development of mankind;

4. focus on the achievements of medicine and pharmacy of the XX century, the prospects of modern medicine, the advantages and problems of the "global healthcare" system;

5. to acquaint students with the merits and achievements of scientists and doctors, with the main directions of development of medical science and medical activity;

6. through the prism of the peculiarities of the development of ethics of different eras to form students' ideas about modern medical ethics, its philosophical foundations and main principles;

7. to cultivate high moral qualities in students: love for their profession, loyalty to duty, feelings of humanism and patriotism towards their country in general and the Nizhny Novgorod region in particular;

8. to form the creativity and creative thinking of students, the ability to justify and defend their point of view; to develop teamwork skills in solving specific tasks.

1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

Know:

the main stages and general patterns of the formation and development of healing and medicine, the history of the development of the profession of a doctor in various countries of the world from ancient times to our time

achievements of the largest civilizations in the field of healing and medicine in the process of progressive development of their spiritual culture;

the contribution of outstanding doctors of the world who determined the fate of medical science and activity in the history of mankind.

the main stages and general patterns of the formation and development of healing and medicine, the history of the development of the profession of a doctor in various countries of the world from ancient times to our time;

Be able to:

analyze historical material and navigate the historical process of progressive development of healing and medicine from the origins to the present;

understand the logic and patterns of development of medical thought and activity at various stages of human history and apply this knowledge in your practice;

understand the logic and patterns of development of medical thought and activity at various stages of human history and apply this knowledge in your practice;

constantly improve and deepen your knowledge of the history of your chosen specialty;

strive to improve their cultural level; worthily follow the ideas of humanism and universal values in their medical activities.

Possess:

skills of conducting scientific discussion on the most important issues of the general history of medicine;

the skills of using knowledge on the history of medicine, culture and medical ethics acquired in the course of training in their activities.

skills of conducting scientific discussion on the most important issues of the general history of medicine;

the skills of using knowledge on the history of medicine, culture and medical ethics acquired in the course of training in their activities.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

2.1. The discipline belongs to the block 1 of the Discipline (Module) the mandatory part is B 1.O.4 and is studied in the 1st year in the 1d semester.to the core part of Block 1 of GEP HE (Academic discipline index).

The discipline is taught in 1 semester/1 year of study.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:.

1. To study the discipline, knowledge, skills and abilities formed by previous disciplines / practices are necessary – special requirements for the student's input knowledge, skills and competencies are not provided.

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

1. Philosophy

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC-5	Able to analyze and take into account the diversity of cultures in the process of the intercultural interaction	UC-5.2. Analyzes the most important ideological and value systems formed in the course of historical development; substantiates the	the main stages and general patterns of the formation and developme	analyze historical material and navigate the historical process of	the skills of conducting a scientific discussion on the most important issues of the general

			<p>relevance of their use in social and professional interaction</p>	<p>nt of healing and medicine, the history of the development of the medical profession in various countries of the world from ancient times to our time; achievements of the largest civilizations in the field of healing and medicine in the process of progressive development of their spiritual culture; the contribution of outstanding doctors of the world who determined the fate of medical science and activity in the history of mankind.</p>	<p>progressive development of healing and medicine from the origins to the present; understand the logic and patterns of development of medical thought and activity at various stages of human history and apply this knowledge in your practice; constantly improve and deepen your knowledge of the history of your chosen specialty; strive to improve your cultural level; it is worthy to follow the ideas of humanism and universal values in your medical activity.</p>	<p>history of medicine; the skills of using knowledge on the history of medicine, culture and medical ethics acquired in the course of training in their activities.</p>
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2.	GPC-1.	Able to use basic biological, physical-chemical, chemical, mathematical methods for the development, research and examination of medicines, the manufacture of medicinal products	GPC-1.1. Knows the basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical activity GPC-1.2. Knows how to apply ethical norms and principles of behavior of a medical worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving professional tasks; apply rules and norms of interaction of a doctor with colleagues and patients (their legal representatives) GPC-1.3. Has practical experience in solving standard tasks of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of legal aspects of medical activity	fundamentals of medical ethics and deontology ; fundamentals of legislation in the field of healthcare; legal aspects of medical activity	apply ethical norms and principles of behavior of a medical worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving professional tasks; apply rules and norms of interaction of a doctor with colleagues and patients (their legal representatives)	practical experience in solving standard tasks of professional activity based on ethical norms and deontological principles in interaction with colleagues and patients (their legal representatives), knowledge of legal aspects of medical activity
3.						

4. Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
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1	UC-5, GPC-1	Pharmacy and its subject. The history of the formation and development of pharmacy as a branch of medicine.	The formation of primitive society and primitive healing Healing in the period of maturity of primitive society (Healing in the period of decomposition of primitive society Medicine — folk, traditional, scientific. The concept of "pharmacy"; its essence and content; pharmacology in the era of the primitive communal system
2	UC-5, GPC-1	Healing in the countries of the Ancient East.	pharmacy in the culture of the Ancient East. Healing in Ancient Mesopotamia Healing in Sumer Healing in Babylonia and Assyria Healing in Ancient Egypt Healing in Ancient India Healing in Ancient China
3	UC-5, GPC-1	Healing and medicine of the ancient Mediterranean.	Healing and medicine in Ancient Greece. The healing of the Cretan–Achaean period, the development of medicine and pharmacy in the era of antiquity. Healing of the pre-polis period. Healing of the policy period. Medicine of the classical period Medicine of the Hellenistic period Medicine in Ancient Rome. Healing in the tsarist period. Medicine of the Republic period (Sanitary business. The beginning of the organization of medical business. Philosophical foundations of medicine of ancient Rome). Medicine of the Empire period (The formation of military medicine. Development of medical business. Development of medical knowledge. Galen: his teaching and Galenism. The formation of Christianity and medicine).
4	UC-5, GPC-1	Pharmacy in the Middle Ages and Renaissance.	Pharmacy in the Middle Ages and Renaissance; features of pharmacy in the countries of the Arab East. Creation of the foundations of modern natural science (chemistry) and pharmacy in Western Europe in the XVII century.
5	UC-5, GPC-1	The development of pharmacy and shaping in Western Europe and the USA in the XVIII-XXI centuries.	Great natural science discoveries of the late XVIII-early XX century. XIX centuries. And their influence on the development of pharmacy. Development of the medical and biological direction in medicine and pharmacy. The formation of the pharmaceutical industry. Changes in the content of pharmacies in the XIX century. Development of pharmaceutical education in Western Europe and the USA in the XX-XXI centuries.
6	UC-5, GPC-1	Historical stages of development of domestic medicine and pharmacy	The development of medicine and pharmacy in Kievan Rus; pharmacy during the development of the Moscow state (late XV-early XVII centuries). The role of outstanding Russian scientists in the development of pharmacy in the XVIII century. The development of pharmacy in Russia in the XIX-XX centuries. Pharmaceutical industry in the XXI century.
7	UC-5, GPC-1	Medicine of the twentieth century	The formation of Soviet medicine. Creation of the People's Commissariat of Health of the RSFSR. Principles of Soviet medicine. I.P. Pavlov — "the elder of the physiologists of the world". Medicine during the Great Patriotic War. The main achievements of medicine in the twentieth century. Nobel prizes in medicine or physiology. Trends in the development of medicine and healthcare. International cooperation in the field of medicine (International Red Cross. League of Red Cross and Red Crescent Societies. World Health Organization. The movement "Doctors of the World for the Prevention of nuclear War".

5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters			
	volume in credit units (CU)	volume in academic hours (AH)				
Classroom work, including						
Lectures (L)	0.3	6	-	10	-	
Laboratory practicum (LP)*	-	-	-	-	-	
Practicals (P)	-	-	-	-	-	
Seminars (S)	-	-	-	-	-	
Student's individual work (SIW)	1	34	-	34	-	
Mid-term assessment	0.7	28	-	28	-	
credit/exam (<i>specify the type</i>)	+	+	-	+	-	
TOTAL LABOR INTENSITY	2	72	-	72	-	

6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

№	Name of the section of the academic discipline	Types of academic work* (in AH)					
		L	LP	P	S	SIW	total
	Pharmacy and its subject. The history of the formation and development of pharmacy as a branch of medicine.	1			4	3	8
	Healing in the countries of the Ancient East.	1			4	3	8
	Healing and medicine of the ancient Mediterranean	1			4	3	9
	Pharmacy in the Middle Ages and Renaissance	2			4	3	9
	The development of pharmacy and shaping in Western Europe and the USA in the XVIII-XXI centuries.	2			6	3	11
	Historical stages of development of domestic medicine and pharmacy	2			6	6	13
	Medicine of the twentieth century.	1			6	7	14
	TOTAL	10			34	28	72

* - L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

№	Name of lecture topics	Volume in AH	
	The history of medicine and pharmacy as part of the general history of science. The history of healing and medicine of the civilizations of the Ancient East. (combined type of lecture	semester 1	semester

	(introductory lecture + lecture-visualization)		
	History of medicine of the Antiquity period: origin and development. (lecture-visualization)	1	
	History of the theory and practice of medieval medicine and pharmacy. (problem lecture)	1	
	Scientific revolution in medicine of the XVII-XVIII centuries. The development of world medicine and pharmacy in Europe in the XIX century. The formation of medical business in Russia in the XVII-XIX centuries. (overview lecture)	2	
	The main research directions in medicine and pharmacy in the XX century.	2	
	Organization of medical and preventive care for the population in various countries (problem lecture)	2	
	TOTAL (total - AH)	10	

6.2.2. The thematic plan of laboratory practicums (*if this type of classes is stipulated in the curriculum*)
NOT PROVIDED

6.2.3. Thematic plan of practicals NOT PROVIDED

6.2.4. Thematic plan of seminars (*if this type of classes is stipulated in the curriculum*)

№	Name of seminar topics	Volume in AH	
		semester	semester
	Introduction to the subject	2	
	Medicine and pharmacology in Kievan Rus IX–XIII centuries.	2	
	Medicine and pharmacy of the Moscow state of the XIV–XVII centuries.	2	
	Medicine and pharmacy of Russia in the XVIII century.	2	
	Natural science discoveries of the late XVIII - XIX centuries	2	
	Medicine and pharmacy of Russia of the 1st half of the XIX century.	2	
	Medicine and pharmacy of Russia in the second half of the XIX century.	2	
	Межсессионный контент-контроль на ЭВМ	2	
	Development of medical business and pharmacy in Nizhny Novgorod and Nizhny Novgorod province in the XVIII – early XX century.	2	
	Formation and development of the Soviet healthcare system	2	
	Achievements of Russian medicine and surgery in the XX century.	2	
	Achievements and problems of domestic pharmacy in the XX-XXI centuries.	2	

	Formation of higher medical and pharmaceutical education in Soviet Russia (1917-1985)	2	
	Development of medicine and higher medical education in Nizhny Novgorod (Gorky) in the XX century.	2	
	Final lesson	2	
	TOTAL (total - AH)	34	

6.2.5. Types and topics of student's individual work (SIW)

№	Types and topics of SIW	Volume in AH	
		semester	semester
	Introduction. Healing in primitive society. -Work with lecture material, providing for the study of lecture notes and educational literature	3	
	Healing in the countries of the Ancient East. - Search (selection) and review of literature and electronic sources of information on an individually given course problem, writing an abstract (essay, report, scientific article) on a given problem	3	
	Healing and medicine of the ancient Mediterranean. - Study of the material submitted for independent study (individual topics, paragraphs); search (selection) and review of literature and electronic sources of information on an individually given course problem, writing an abstract (essay, report, scientific article) on a given problem	3	
	Medicine of the Arab world. - Study of the material submitted for independent study (separate topics, paragraphs); search (selection) and review of literature and electronic sources of information on an individually given course problem, writing an abstract (essay, report, scientific article) on a given problem	3	
	Medicine of Byzantium, Southeast Asia. Search (selection) and review of literature and electronic sources of information on an individually given course problem, writing an abstract (essay, report, scientific article) on a given problem	3	
	Clinical medicine of Modern times. - Search (selection) and review of literature and electronic sources of information on an individually given course problem, writing an abstract (essay, report, scientific article) on a given problem	6	
	Medicine of the twentieth century. - Work with video lectures, providing for the study of lecture notes and educational literature	7	
	TOTAL (total - AH)		

7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	Se mes ter No.	Types of control		Name of section of academic discipline	Competence codes	Assessment formats		
						types	number of test questions	number of test task options
1.	1	Current monito ring	Control of mastering the topic	Pharmacy and its subject. The history of the formation and development of pharmacy as a branch of medicine.	UC-5, GPC- 1	Tests	40	35
						Situation al tasks	1	1
			Control of mastering the topic	Healing in the countries of the Ancient East.	UC-5, GPC- 1	Tests	40	35
			Control of mastering the topic	Healing and medicine of the ancient Mediterranean.	UC-5, GPC- 1	Tests	40	35
			Control of mastering the topic	Pharmacy in the Middle Ages and Renaissance.	UC-5, GPC- 1	Tests	50	45
						Situation al tasks	3	3
			Control of mastering the topic	The development of pharmacy and shaping in Western Europe and the USA in the XVIII-XXI centuries.	UC-5, GPC- 1	Tests	50	45
			Control of mastering the topic	Historical stages of development of domestic medicine and pharmacy	UC-5, GPC- 1	Tests	50	45
						Situation al tasks	6	6
			Control of mastering the topic	Medicine of the twentieth century	UC-5, GPC- 1	Tests	50	45
Situation al tasks	5	5						
2.		Mid- term assess ment	Exam/ Credit Topic 1-7	UC-5, GPC- 1	Tests	320	285	
					Situation al tasks	16	16	

8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
	Lisitsyn Yu.P. History of medicine. – M. : GEOTAR-MEDIA, 2016. – 400 p.	1	https://pimunn.ru/lib

8.2. Further reading

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	Akanov A.A., Public health. – M. : Litterra, 2017. – 496 p.	-	https://pimunn.ru/lib
2	Sorokina T.S. History of Medicine. – M. : RUDN, 2014.	1	515
3	History of medicine. Textbook. – M. : Publishing group GEOTAR-Media, 2017.	30	1
4	Komarov Y.M., It's time to collect the stones. Or about how the social Semashkin model of healthcare was being destroyed in the country. – Moscow: GEOTAR-Media, 2015. – 416 p.	-	https://pimunn.ru/lib
5	Zimmerman Ya.S., Wise thoughts about medicine and healing. Sententie de me di cina: sayings, aphorisms, quotations. – Moscow: GEOTAR-Media, 2015. – 256 p.	-	https://pimunn.ru/lib
6	Achkasov E.E., Aphorisms and wise sayings about medicine. – M. : GEOTAR-Media, 2019. – 576 p.	-	https://pimunn.ru/lib
7	Podubny M.V., History of healthcare in pre-revolutionary Russia (late XVI – early XX century) - Moscow : GEOTAR-Media, 2014. – 248 p.	-	https://pimunn.ru/lib
8	Lazebnik L.B., Sergey Petrovich Botkin - doctor, scientist, teacher and founder of the Botkin medical dynasty. – Moscow : GEOTAR-Media, 2013.	-	https://pimunn.ru/lib
9	Balalykin D.A. Textbook on the history of medicine. – M. : Litterra, 2012. – 624 p.	1	1
10	Skoromets A.A. Professor E.L. Venderovich and our time (130 years since birth). – St. Petersburg: Polytechnic, 2012. – 426 p.	-	https://pimunn.ru/lib
11	Alexandrovsky Yu.A., Pages of the history of the Russian Society of Psychiatrists. – M. : GEOTAR-Media, 2011. – 144 p.	-	https://pimunn.ru/lib
12	Mirsky M.B. History of medicine and surgery. – M. : GEOTAR-Media, 2010. – 528 p.	-	https://pimunn.ru/lib
13	Shishkov I.Z. History and philosophy of science. – M. : GEOTAR-Media, 2010. – 768 p.	-	https://pimunn.ru/lib
14	Yushchuk N.D., YERSINIOZ – M. : GEOTAR-Media, 2011.	-	https://pimunn.ru/lib
15	Talents P.V. 0.05. Evidence-based medicine from magic to the search for immortality. – Moscow : AST Publishing House: CORPUS, 2019. - 560 p.	1	-
16	Balalykin D.A., History of medicine : studies. the manual is in three books. Book two. Practicum. – M. : GEOTAR-Media, 2017. – 432 p.	1	1
17	Balalykin D.A., History of medicine. The first book. A	1	1

	guide to teaching. – M. : GEOTAR-Media, 2017. – 176 p.		
18	History of Medicine: studies. the manual is in three books. Book three. Anthology / edited by D.A. Balalykin. – M. : GEOTAR-Media, 2017. – 416 p.	1	-
19	Shifrin M. One hundred stories from the history of medicine. The greatest discoveries, exploits and crimes in the name of your health and longevity. – Moscow: Alpina Publisher, 2019. – 696 p.	1	-
20	Shestova O., Inozemtsev L. 30 Nobel Prizes: Discoveries that changed medicine. – Moscow: Alpina non-fiction, 2020. – 200 p.	1	-
21	Laar A. Cut! History of surgery in 28 operations. – Moscow: Bombora, 2018. – 400 p.	1	-

8.3. Electronic educational resources for teaching academic subjects

8.3.1. Internal Electronic Library System of the University (IELSU)

<i>No</i>	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
	<i>Internal Electronic Library System (EBS)</i>	<i>The works of the academic staff of the Academy: textbooks and manuals, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents.</i>	<i>from any computer located on the Internet, using an individual login and password [Electronic resource] – Access mode: http://95.79.46.206/login.php</i>	<i>Not limited</i>

8.3.2. Electronic educational resources acquired by the University

	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
	Electronic library system "Bukap"	Educational and scientific medical literature of Russian publishers, including translations of foreign publications.	from any computer located on the Internet by login and password, from the computers of the academy. The subscription editions are available for reading. [Electronic resource] – Access mode: http://www.books-up.ru/	General PIMU subscription
	Electronic database	Educational	from any	General

	"Student Consultant"	literature + additional materials (audio, video, interactive materials, test tasks) for higher medical and pharmaceutical education. Publications are structured by specialties and disciplines in accordance with the current Federal State Educational Standards of Higher Education.	computer located on the Internet, using an individual login and password [Electronic resource] – Access mode: http://www.studmedlib.ru/	PIMU subscription
	Bibliopisk	Integrated "single window" search service for electronic catalogs, EBS and full-text databases. The results of a single search in the demo version include documents from domestic and foreign electronic libraries and databases available to the university as part of a subscription, as well as from open access databases.	PIM has access to the demo version of the Bibliopisk search engine: http://bibliosearch.ru/pimu .	General PIMU subscription
	Domestic electronic periodicals	Periodicals on medical subjects and on higher school issues	from the computers of the academy on the platform of the electronic library eLibrary.RU - journals of the Media Sphere publishing house - from library computers or provided by the library at the request of the user [Electronic resource] – Access mode: https://elibrary.ru/	General PIMU subscription
	International scientometric database "Web of Science Core Collection"	Web of Science covers materials on natural, technical, social, and humanitarian sciences; takes into account the mutual citation of publications developed and provided by Thomson Reuters; has built-in capabilities for searching,	Access is free from PIM computers [Electronic resource] – Access to the resource at: http://apps.webofknowledge.com	General PIMU subscription

		analyzing, and managing bibliographic information.	
<i>№</i>	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>
	Federal Electronic Medical Library (FEMB)	Includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, journals, etc.). [Electronic resource] – Access mode: http://HЭБ.pф/	from any computer located on the Internet
	Scientific Electronic Library eLIBRARY.RU	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications. [Electronic resource] – Access mode: https://elibrary.ru/	from any computer located on the Internet
	Open Access Scientific Electronic Library CyberLeninka	Full texts of scientific articles with annotations published in scientific journals of Russia and neighboring countries. [Electronic resource] – Access mode: https://cyberleninka.ru/	from any computer located on the Internet
	Russian State Library (RSL)	Abstracts for which there are copyright agreements with permission for their open publication [Electronic resource] – Access mode: http://www.rsl.ru/	from any computer located on the Internet
	Legal reference system "Consultant Plus"	Federal and regional legislation, judicial practice, financial advice, comments on legislation, etc. [Electronic resource] – Access mode: http://www.consultant.ru/	from any computer located on the Internet
	Official website of the Ministry of Health of the Russian Federation	National clinical guidelines [Electronic resource] – Access mode: cr.rosminzdrav.ru - Clinical recommendations	from any computer located on the Internet
	Official website of the Russian Respiratory Society	Modern materials and clinical recommendations for the diagnosis and treatment of respiratory diseases [Electronic resource] – Access mode: www.spulmo.ru – Russian Respiratory Society	from any computer located on the Internet
	Official website of the Russian Scientific Society of Therapists	Modern materials and clinical recommendations for the diagnosis and treatment of diseases of internal organs [Electronic resource] – Access	from any computer located on the Internet

		mode: www.rnmot.ru – Russian Scientific Society of Therapists	
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9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

1. Classrooms of the department for 25-30 jobs of students

9.2. List of equipment for classroom activities for the discipline

. 1. Multimedia complex (laptop, projector, screen)

2. Educational boards.

9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of
Name of the department

CHANGE REGISTRATION SHEET

working program for the academic discipline
NAME OF THE ACADEMIC DISCIPLINE

Field of study / specialty / scientific specialty: _____
(code, name)

Training profile: _____
(name) - for master's degree programs

Mode of study: _____
full-time/mixed attendance mode/extramural

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting
Protocol No. ____ of _____ 20__

Head of the Department

_____ / _____
department name, academic title

signature

print name