№ ЛД-16 ИН

Federal State Budgetary Educational Institution of Higher Education
«North-Ossetia State Medical Academy»
of the Ministry of Healthcare of the Russian Federation

ДОКУМЕНТ ПОДПИСАН ЭЛЕКТРОННОЙ ПОДПИСЬЮ

Сертификат: 2D4EFF8215A48D63793F851FADB089F4
Владелец: Ремизов Олег Валерьевич
Действителен: с 23.05.2023 до 15.08.2024

EDUCATIONAL TRAINING PROGRAM OF DISCIPLINE

«Infectious diseases»

the main professional educational program of higher education - specialty program in the specialty 31.05.01 General Medicine, approved in May 24, 2023

Form of education Full-time

The period of development 6

Department of Infectious Diseases

Vladikavkaz, 2023

When developing the work program, the disciplines are based on:

1. Federal state educational standart for the specialty 31.05.01 Medical business approved by the Ministry of education and science of the Russian Federationes «9» February 2016, №95.

2. Academic plan on specialty 31.05.01 General Medicine,
ЛД-16-03-18 ИН
ЛД-16-04-19 ИН
ЛД-16-05-20 ИН approved by the Scientific Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation "24" may 2023, Protocol № 8.

The educational training program of the discipline was approved at a meeting of the department of Infectious diseases from "22" may 2023, Protocol № 10.

The working program of the discipline was approved at the meeting of the Central coordinating educational and methodological Council of the University "23" may 2023,Protocol № 5.

The work program of the discipline was approved by the academic Council of the Federal state budgetary EDUCATIONAL institution of THE Russian MINISTRY of health on may 24.2023, Protocol №8.

Developers:

Head of the department _____ B. I. Otaraeva

Associate professor _____ Zh. G. Plieva

Associate professor _____ Z. S. Gurieva

Reviewers:

Head of the Department of the Federal service for supervision of rights protection consumers and human welfare in the Republic of North Ossetia – Alania Tibilov Alan Germanovich

Head of the Department of Microbiology The North Ossetian State Doctor of Medical Academy, Associate Professor I.E.Tretyakova

Content of the work program

1. name of the discipline
2. the list of planned results of training in the discipline, correlated with the planned results of the development of the educational program;

3. indicating the place of the discipline in the structure of the educational program;

1. name of the discipline

2. the list of planned results of training in the discipline, correlated with the planned results of the development of the educational program;

3. indicating the place of the discipline in the structure of the educational program;

4. the volume of the discipline in credit units indicating the number of academic or astronomical hours allocated for contact work of students with the teacher (by type of training sessions) and for independent work of students;

5. the content of the discipline, structured by topics (sections) with an indication of the number of academic or astronomical hours allocated to them and the types of training sessions;

6. list of educational and methodological support for independent work of students in the discipline;

7. evaluation materials for conducting intermediate certification of students in the discipline;

8. list of basic and additional educational literature required for the development of the discipline;

9. list of resources of the information and telecommunications network "Internet" (hereinafter - the "Internet"), necessary for the development of the discipline;

10. methodical instructions for students for the development of the discipline;

11. list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);

12. description of the material and technical base necessary for the implementation of the educational process in the discipline.

13. Conduct educational activities with the use of e-learning and d-station educational technology.

2. A list of intended learning outcomes for the discipline and the learning outcomes of the educational program

no. p/p	Number/ index of competence	The content of the discipline (or separation of the crystals)	The learning outcomes of the		
			know	be able to	own
1	2	3	4	5	6
	GPC -8	**General issues of infectious pathology**. Introduction to the problem of infectious diseases. Teaching about the General pathology of infectious diseases. Principles of diagnosis of infectious diseases. Principles of treatment of infectious diseases. Principles of prevention of infectious diseases. Indications and organization of hospitalization of infectious patients. Setting up and operating an infectious diseases hospital. **Specific issues of infectious pathology** Bacteriosises Salmonellosis: ha-strointestinal form, generalized form. Salmonellosis: bruche Noi typhoid, paratyphoid A and B. Shigellosis. Amoebiasis. Iersinioz: intestinal yersiniosis, pseudotuberculosis. Bacterial food poisoning. Cholera. Botulism. Tetanus. Meningococcal infection. Sepsis. Diphtheria. Streptococcal infection (scarlet fever, erysipelas). Leptospirosis. Brucellosis. Anthrax. Plague. Tularemia. Epidemic typhus. Brill's	Clinical and pharmacological characteristics of the main groups of medicinal products and the rational choice of specific medicinal products in the treatment of major pathological syndromes of diseases and emergency situations in patients with infectious pathologies	Substantiate and formulate indications for the chosen method of treatment, taking into account etiotropic and pathogenetic agents; evaluate the effectiveness and safety of the treatment.	The choice of Phar-macotherapy in a particular patient; determine the method of administration, mode and dose of medicinal preparations.

		disease. Ku Fever. Malaria. Helminthiasises. Flu. ORVI. Herpesvirus infections: herpesvirus simplex, chickenpox, herpes zoster, infectious mononucleosis. HFRS and other viral hemorrhagic fevers. Rabies. Viral hepatitis A,E,B,C,D. HIV infection and opportunistic diseases. Features of the course of children's infectious diseases in adults (measles, mumps infection, chickenpox, rubella).			
2	PC-5	**Specific issues of infectious pathology** Bacteriosises Salmonellosis: ha-strointestinal form, generalized form. Salmonellosis: bruche Noi typhoid, paratyphoid A and B. Shigellosis. Amoebiasis. Iersinioz: intestinal yersiniosis, pseudotuberculosis. Bacterial food poisoning. Cholera. Botulism. Tetanus. Meningococcal infection. Sepsis. Diphtheria. Streptococcal infection (scarlet fever, erysipelas). Leptospirosis. Brucellosis. Anthrax. Plague. Tularemia. Epidemic typhus. Brill's disease. Ku Fever. Malaria. Helminthiasises. Flu. ORVI. Herpesvirus infections: herpesvirus simplex, chickenpox, herpes zoster, infectious mononucleosis. HFRS and other viral	Diagnostic methods, diagnostic capabilities of infectious patient research methods modern methods of clinical, laboratory, and instrumental examination of patients.	Determine the patient's status: collect complaints, anamnesis of the disease, purposefully study the epidemiological history, perform an examination of the patient, identify the main syndromes of the disease, justify the diagnosis , assess the severity of the patient's condition, interpret data from laboratory and special examination methods; evaluate the patient's condition in order to make a decision on the need for medical assistance.	Methods of General clinical examination; interpretation of the results of laboratory and instrumental diagnostic methods in a patient with an infectious pathology.

		hemorrhagic fevers. Rabies. Viral hepatitis A,E,B,C,D. HIV infection and opportunistic diseases. Features of the course of children's infectious diseases in adults (measles, mumps infection, chickenpox, rubella).			
3	PC-6	**Specific issues of infectious pathology** Bacteriosises Salmonellosis: ha-strointestinal form, generalized form. Salmonellosis: bruche Noi typhoid, paratyphoid A and B. Shigellosis. Amoebiasis. Iersinioz: intestinal yersiniosis, pseudotuberculosis. Bacterial food poisoning. Cholera. Botulism. Tetanus. Meningococcal infection. Sepsis. Diphtheria. Streptococcal infection (scarlet fever, erysipelas). Leptospirosis. Brucellosis. Anthrax. Plague. Tularemia. Epidemic typhus. Brill's disease. Ku Fever. Malaria. Helminthiasises. Flu. ORVI. Herpesvirus infections: herpesvirus simplex, chickenpox, herpes zoster, infectious mononucleosis. HFRS and other viral hemorrhagic fevers. Rabies. Viral hepatitis A,E,B,C,D. HIV infection and opportunistic diseases. Features of the course of children's infectious diseases in adults	The clinical picture, features of the course and possible complications of the most common infectious diseases. Modern classification of infectious diseases; Criteria for diagnosis of infectious diseases.	To determine the main pathologic conditions, symptoms, and syndromes of diseases in patients., nosological forms; Formulate a diagnosis; post a preliminary and definitive diagnosis with an indication of the etiology, course, character, and degree of functional impairment. Outline the scope of additional studies to clarify the diagnosis.	Algorithm for making a clinical diagnosis in accordance with the ICD

		(measles, mumps infection, chickenpox, rubella).			
4	PC-8	**Specific issues of infectious pathology** Bacteriosises Salmonellosis: ha-strointestinal form, generalized form. Salmonellosis: bruche Noi typhoid, paratyphoid A and B. Shigellosis. Amoebiasis. Iersinioz: intestinal yersiniosis, pseudotuberculosis. Bacterial food poisoning. Cholera. Botulism. Tetanus. Meningococcal infection. Sepsis. Diphtheria. Streptococcal infection (scarlet fever, erysipelas). Leptospirosis. Brucellosis. Anthrax. Plague. Tularemia. Epidemic typhus. Brill's disease. Ku Fever. Malaria. Helminthiasises. Flu. ORVI. Herpesvirus infections: herpesvirus simplex, chickenpox, herpes zoster, infectious mononucleosis. HFRS and other viral hemorrhagic fevers. Rabies. Viral hepatitis A,E,B,C,D. HIV infection and opportunistic diseases. Features of the course of children's infectious diseases in adults (measles, mumps infection, chickenpox, rubella	Methods of treatment of patients with infectious diseases; The mechanism of action of the main groups of medicinal products; medical indications and contraindications to their use; complications caused by their use.	Make a plan for examination and treatment for various infectious diseases. Formulate indications for the selected method of treatment, taking into account etiotropic and pathogenetic agents, determine the route of administration, mode and dose of medicinal preparations.	Drawing up an algorithm for the examination and determination of management tactics for patients with various nosological forms

3. The place of discipline in the structure of the educational program

The discipline "Infectious diseases" belongs to the basic part of the Program of block 1 of the Federal state educational standard IN the specialty 31.05.01 Medical business.

4. Scope of the discipline

no p/p	Kind of work		Total credits	Total hours	Semesters	
					№ 9	№ 10
					hours	hours
1	2		3	4	5	6
1	Contact work of students with teacher (total), including:			192	96	96
2	Lectures (L)			56	28	28
3	Clinical practice sessions (PZ)			136	68	68
4	Seminars (S)					
5	Laboratory work (LR)					
6	Independent work of a student (SRS)			96	48	48
7	Type of intermediate certifications	credit (S)				
		exam (e)		36		36
8	TOTAL:General labor intensity	hours		324	144	180
		Z	9	9	4	5

5. Content of the discipline

no. p/p	№ semester's	Name of the topic (section) of the discipline	Types of training activities (in hours)					Forms of current performance monitoring
			L	**LW**	**PZ**	**SRS**	**in total**	
1	2	3	4	5	6	7	8	9
1	9	General questions of infectious pathology. Introduction to the problem of infectious diseases. The place of Infectology in human pathology and the health care system. Study of the General pathology of infectious diseases. Principles of diagnosis of infectious diseases. principles of treatment of infectious diseases. Rehabilitation and medical examination. Principles of prevention of infectious diseases. Organization of the infectious diseases service. KEYES. Indications and organization of hospitalization of infectious patients. Device and mode of an infectious diseases hospital. Infectious diseases in the world and the Russian Federation.	2		4	3	9	TC, St, Oi

2	9	Specific issues of infectious pathology Bacteriosises Salmonellosis: gastrointestinal form, generalized form	2		4	4	10	TC, St, Oi, EIW
3	9	Salmonellosis: typhoid fever.	2		4	3	9	TC, St, Oi, EIW
4	9	Salmonella: paratyphoid A and B.	2		4	2	8	TC, St, Oi, EIW
5	9	shigellosis	2		4	4	10	TC, St, Oi, EIW
6	9	Amoebiasis	2		4	3	9	TC, St, Oi, EIW
7	9	Yersiniosis: intestinal yersiniosis, pseudotuberculosis	2		4	4	10	TC, St, Oi, EIW
8	9	Bacterial food poisoning	2		4	3	9	TC, St, Oi, EIW
9	9	Cholera	2		4	3	9	TC, St, Oi, EIW
10	9	Module			4		4	TC, St, Oi
11	9	Botulism.	2		4	3	9	TC, St, Oi, EIW
12	9	Tetanus.	2		4	3	9	TC, St, Oi, EIW
13	9	Meningococcal infection	2		4	3	9	TC, St, Oi, EIW
14	9	Sepsis			4	4	8	TC, St, Oi, EIW
15	9	Diphtheria	2		4	3	9	TC, St, Oi, EIW
16	9	Streptococcal infection (scarlet fever, erysipelas)	2		4	3	9	TC, St, Oi, EIW
17	9	Module. Test of practical skills. Testing of theoretical knowledge.			4		4	TC, St, Oi,

18	10	Leptospirosis	2		4	3	9	TC, St, Oi, EIW
19	10	Brucellosis	2		4	3	9	TC, St, Oi, EIW
20	10	Anthrax	2		3	2	7	TC, St, Oi, EIW
21	10	Plague	2		4	3	9	TC, St, Oi, EIW
22	10	Tularemia			3	3	6	TC, St, Oi, EIW
23	10	Epidemic typhus. Brill's Disease.	2		3	2	7	TC, St, Oi, EIW
24	10	Ku Fever			2	3	5	TC, St, Oi, EIW
25	10	Malaria	2		4	3	9	TC, St, Oi, EIW
26	10	Helminthiasis (trichinosis, enterobiasis, ascariasis, taeniasis, beef tapeworm infection)	2		4	3	9	TC, St, Oi, EIW
27	10	Module			4		4	TC, St, Oi,
28	10	Flu, SARS	2		4	3	9	TC, St, Oi, EIW
29	10	Herpesvirus infections: herpes simplex, chickenpox, herpes zoster, infectious mononucleosis.			4	3	7	TC, St, Oi, EIW
30	10	HFRS and other viral hemorrhagic fevers (Crimean, Congo, Ebola, yellow)	2		4	3	9	TC, St, Oi, EIW
31	10	Rabies	2		3	2	7	TC, St, Oi, EIW
32	10	Viral hepatitis A, E	2		3	2	7	TC, St, Oi, EIW
33	10	Viral hepatitis B, C, D	2		4	4	10	TC, St, Oi, EIW

34	10	HIV infection and opportunistic diseases	2		3	3	8	TC, St, Oi, EIW
35	10	Features of the course of children's infectious diseases in adults (measles, mumps, chickenpox, rubella)	2		4	3	9	TC, St, Oi, EIW
36	10	Module. Test of practical skills. Protection of the clinical history of the disease			4		4	TC, St, Oi
TOTAL:			**56**		**136**	**96**	**288**	

Note: TC - test control, St – situational tasks, Oi – oral interview, EIW – extracurricular independent work

6. List of educational and methodological support for independent work of students in the discipline

no. p/p	№ semester's	Name of the educational and methodological development
1	9	Otaraeva B. I. Diphtheria. Vladikavkaz, 2020
2	9	Otaraeva B. I. Tifo-paratyphoid disease. Vladikavkaz, 2020
3	9	Otaraeva B.I. Yersiniosis. Vladikavkaz, 2020
4	9	Otaraeva B. I. meningococcal disease. Vladikavkaz, 2020
5	9	Otaraeva B.I. Botulism. Vladikavkaz, 2020
6	9	Otaraeva B. I. Bacterial dysentery. Vladikavkaz, 2020
7	9	Otaraeva B.I. Food toxicoinfections. Vladikavkaz, 2020
8	9	Otaraeva B.I. Mug.Vladikavkaz, 2020
9	9	Gurieva, S. Z., J. G. Plieva Otaraeva B. I. Differential diagnosis of diarrheal syndrome. Vladikavkaz, 2020
10	9	Otaraeva B.I. Salmonellosis. Vladikavkaz, 2020
11	9	Gipaeva G.A., Otaraeva B.I., Gurieva Z.S., Plieva Zh.G., Dzgoev A.M. Cholera. Vladikavkaz, 2020
12	9	Otaraeva B.I., Plieva Zh.G., Gipaeva G.A., Gurieva Z.S., Dzgoev A.M. Amoebiasis. Vladikvkaz, 2020
13	10	Otaraeva B. I., Plieva, J. G., Gurieva S. Z. Leptospirosis. Vladikavkaz, 2020
14	10	Otaraeva B.I., Plieva Zh.G. Infectious mononucleosis. Vladikavkaz. 2020
15	10	Otaraeva B.I. Crimean-Congo hemorrhagic fever. Vladikavkaz, 2020
16	10	Otaraeva B.I. Influenza and other acute respiratory viral infections. Vladikavkaz, 2020
17	10	Otaraeva B.I., Plieva Zh.G., Gurieva Z.S., Gipaeva G.A., Dzgoev A.M. Plague.

		Vla-dikavkaz, 2020
18	10	Otaraeva B.I., Gurieva Z.S. HIV infection. Vladikavkaz, 2020
19	10	Otaraeva B.I. Viral hepatitis B, C, D. Vladikavkaz, 2020
20	10	Otaraeva B.I., Dzgoev A.M. Malaria. Vladikavkaz, 2020
21	10	Otaraeva B.I. Trichinosis Vladikavkaz, 2020
22	10	Plieva Zh.G., Otaraeva B.I. Children's infectious diseases in adults. Vladi-kavkaz, 2020
23	10	Otaraeva B.I. Hemorrhagic fever with renal syndrome. Vladikavkaz, 2020
24	9-10	Otaraeva B.I., Plieva Zh.G., Gipaeva G.A., Gurieva Z.S., Dzgoev A.M. Collection of situational tasks for infectious diseases. Vladikavkaz, 2020
25	9-10	Otaraeva B.I., Plieva Zh.G., Gurieva Z.S., Gipaeva G.A., Dzgoev A.M. Differential diagnosis of some infectious diseases occurring with elements of a rash. Vladikavkaz, 2020
26	10	Otaraeva B.I., Gipaeva G.A., Plieva Zh.G. Case history (diagram). Vladikavkaz, 2020
27	10	Otaraeva B.I., Gipaeva G.A., Gurieva Z.S., Plieva Zh.G., Dzgoev A.M. Modern aspects of rabies. Vladikavkaz, 2020.
28	9-10	Otaraeva B.I., Gurieva Z.S., Plieva Zh.G. Practical skills for mastering the discipline of infectious diseases. Vladikavkaz, 2020
29	9-10	Otaraeva B.I. Test tasks for current and intermediate control. Vladikavkaz, 2020
30	9-10	Otaraeva B.I. Gipaeva G.A., Plieva Zh.G., Dzgoev A.M. Methodical recommendations for the implementation of extracurricular independent work of students for practical classes on infectious diseases for the medical faculty. Vladikavkaz, 2020

7. Evaluation materials for conducting intermediate certification of students in the discipline

no. p/p	List of competencies	№ semesters	Indicator(s) ratings	Evaluation criterion(s)	Rating scale	Name EM
1	**2**	**3**	**4**	**5**	**6**	**7**
1	GPC-8 PC-5 PC-6 PC-8	10	see the standard for evaluating the quality of education. Order No. 264/0 of 10.07.2018 of the Ministry of health of THE RUSSIAN Federation.	see the standard for evaluating the quality of education. Order No. 264/0 of 10.07.2018 of the Ministry of health of THE RUSSIAN Federation.	see the standard for evaluating the quality of education. Order No. 264/0 of 10.07.2018 of the Ministry of health of THE RUSSIAN Federation	Exam tickets for the exam; Test task; Exam tasks

8. List of basic and additional educational literature required for the development of the discipline

п/№	Наименование	Автор (ы)	Год, место издания	Кол-во экземпляров	
				в биб-лиотеке	на кафедре
1	2	3	4	5	6
Основная литература					
1.	Infectious diseases : textbook	ред. N.D Yushchuk	M. : Geotar-Media, 2020	40	-
2.	Инфекционные болезни и эпидемиология: учебник.	Покровский В.И., Пак С.Г., Брико Н.И., Данилкин Б.К.	М.: ГЭОТАР-Медиа, 2008.	98	-
3.	Инфекционные болезни и эпидемиология: учебник.	Покровский В.И., Пак С.Г., Брико Н.И., Данилкин Б.К.	М.: ГЭОТАР-Медиа, 2012	101	-
4.	Инфекционные болезни и эпидемиология: учебник.	Покровский В.И., Пак С.Г., Брико Н.И., Данилкин Б.К.	М.: ГЭОТАР-Медиа, 2016	«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970438220.html	
5.	Инфекционные болезни: учебник	Под редН.Д.Ющук	М.: ГЭОТАР-Медиа, 2016.	20	-
Дополнительная литература					
6.	Лекции по инфекционным болезням в 2-х т.	Ющук Н.Д., Венгеров Ю.Я.	М.: ГЭОТАР-Медиа, 2016.	Т.1 – 4 Т.2 - 4	-
7.	Лекции по инфекционным болезням.	Ющук Н.Д., Венгеров Ю.Я.	М., Медицина, 2007.	7	-
8.	Инфекционные болезни и эпидемиология. Контрольные тестовые задания для самоподготовки.	Покровский В.И. и др.	М.: ГЭОТАР-МЕД, 2003	26	-
9.	Лечение инфекционных больных.	Лобзин Ю.В., Финогеев Ю.П., Новицкий, С.Н.	СПб., Фолиант 2003	37	-
10.	Инфекционные болезни: национальное руководство	Ред. Ющук Н.Д.	М.: ГЭОТАР-Медиа, 2010	2	-
11.	Инфекционные болезни	Ющук Н.Д., Венгеров Ю.Я.	М.: Медицина,	30	-

			2003		
12.	Бруцеллез	Отараева Б.И.	Владикавказ, 2010	10	-
13.	Ботулизм	Отараева Б.И., Бутаев Т.М., Отараева Н.И.	Владикавказ, 2008	13	-
14.	Грипп и другие ОРВИ	Отараева Б.И.	Владикавказ, 2008	50	-
15.	Атлас инфекционных болезней	ред. В.И. Лучшева	М.:ГЭОТАР-Медиа,2014	«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970428771.html	
16.	Вирусные гепатиты: клиника, диагностика, лечение	Н.Д.Ющук и др.	М.:ГЭОТАР-Медиа, 2014	Консультант студента» http//www.studmedlib.ru/ru/book/ISBN9785970425558.html	
17.	Инфекционные и паразитарные болезни развивающихся стран: учебник для вузов	ред. Н.В.Чебышев	М.: ГЭОТАР-Медиа, 2008	«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970406359.htm	

9. List of resources of the information and telecommunications network "Internet", necessary for the development of the discipline

1. Infectious diseases On-line version of the journal http://www.phdynasty.ru.
2. Electronic library of medical literature (www.medlib.ws)

10. Methodical instructions for students for the development of the discipline

Training consists of contact work (192 hours), including a lecture course and practical classes, and independent work (96 hours). the Main training time is allocated for practical work on Infectology at the patient's bedside. When studying an academic discipline, it is necessary to use laboratory diagnostics and master practical skills:

determine the patient's status: collect anamnesis, conduct a survey of the patient and/or his relatives, conduct a physical examination of the patient (examination, palpation, auscultation, measurement of blood pressure, determination of the properties of the arterial pulse, etc.);

- assess the patient's condition to make a decision about the need for medical care;
- conduct an initial examination of the following systems and organs: - make a preliminary diagnosis - synthesize information about the patient in order to determine the pathology and its causes;

outline the scope of additional studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result;

- formulate a clinical diagnosis;
- develop a plan of therapeutic actions, taking into account the course of the disease and its treatment;
- formulate indications for the chosen method of treatment, taking into account etiotropic and pathogenic agents, justify pharmacotherapy in a particular patient with the main pathologic syndromes and emergency conditions, determine the route of administration, regimen and dose of medications, evaluate the effectiveness and safety of the treatment;

use different methods of drug administration;
- fill out a medical history, write a prescription;

Practical classes are conducted in the form of answers to test tasks, oral interviews, solving situational problems, analyzing clinical patients, analyzing laboratory studies, and using visual AIDS. In accordance with the requirements of the Federal state educational standard, active and interactive forms of conducting classes are widely used in the educational process: intellectual duel, situational role-playing games, lecture visualization, videos. The share of classes held in interactive forms is no less than 19% of classroom classes.

Independent work of students involves preparation for practical training and includes performing extracurricular independent work, solving situational tasks for self-control, and working at the patient's bedside. Each student is provided with access to the library collections of the Academy and departments. Methodological recommendations for students and guidelines for teachers have been developed for each section of the discipline.

11. List of information technologies used in the implementation of the educational process in the discipline

Semester	Occupation L, PR,S,	Educational technologies used (active, interactive)	Number of hours	% of classes in an interactive form	List of software
9 -10	L	Presentations for all lectures	56		PowerPoint;
9-10	PC	Set of test tasks for current monitoring and for modular classes, a set of situational tasks, a set of results of laboratory and instrumental diagnostic methods	136	19	Microsoft Office
9-10	S	Questions and tasks for independent work	96		Microsoft Office Internet Exploer

12. description of the material and technical base necessary for the implementation of the educational process in the discipline

As the material-technical base of the Department includes: FSBEI HE SOGMA Ministry of Health of Russia, SBME RCBMP The total area of the training and laboratory base is 170 - m2, including 105 m2 – educational, 65 m2 – educational and auxiliary. number of study rooms - 6 - (satisfactory condition) desks - 5 , desks - 35, chairs - 70 (needs to be replaced – 35), blackboard - 3 (satisfactory condition).

no. p/p	Name of the equipment	Quantity	Technical condition
1	**2**	**3**	**4**
Special equipment			
1.	Computer	3	Zufrieden.

2.	Notebook	2	Zufrieden.
3.	Projektor	1	Zufrieden.
4.	Kopierer-Technik	2	Zufrieden.
Tabellen			
5.	Thematische Tabellen	130	Zufrieden.

13. Die fhrung der ausbildungsttigkeit mit der Anwendung des elektronischen Trainings und der di-stations bildungs technologien.

In the context of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other force majeure events that do not allow for full-time training, it is possible to study this discipline or part of it with the use of e-learning and distance educational technologies.

Teaching the discipline in the above situations will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, current performance monitoring, as well as intermediate certification of students, the platforms of the electronic information and educational environment of the academy and/or other e-learning systems recommended for use in the academy, such as Moodle, Zoom, Webinar, etc., can be used.

Lectures can be presented in the form of audio, video files, "live lectures", etc. Seminars and practical classes can be held on-line in both synchronous and asynchronous mode. Seminars can be held in the form of web conferences.