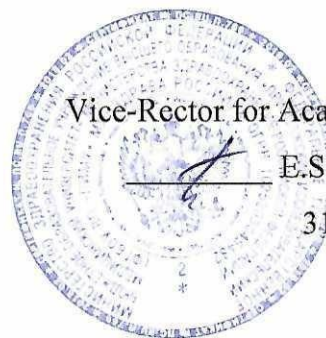


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **EPIDEMIOLOGY**

Specialty: **31.05.01 GENERAL MEDICINE**

Qualification: **GENERAL PRACTITIONER**

Department: **EPIDEMIOLOGY, MICROBIOLOGY AND
EVIDENCE-BASED MEDICINE**

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 **31.05.01 GENERAL MEDICINE**, approved by Order Ministry of Education and Science of the Russian Federation No. 988 of August 12, 2020.

Developers of the working program:

Sergeeva A.V., Associate Professor, Department of Epidemiology, Microbiology and Evidence-Based Medicine

The program was reviewed and approved at a meeting of the Department of Epidemiology, Microbiology and Evidence-Based Medicine (protocol No. 12 of 15 April, 2021)

Head of the Department of Epidemiology,
microbiology and evidence-based medicine
Doctor of Medical Sciences, Associate Professor O.V. Kovalishena



AGREED

Deputy Head of EMA ph.d. of biology



Lovtsova L.V.

(signature)

April 15, 2021

1. The purpose and objectives of mastering the academic discipline mastering the theoretical and methodological foundations of the prevention of the most common infectious and non-communicable diseases.

1.1. The purpose of mastering the discipline: *participation in forming the relevant competencies of UC -1; UC - 3; UC -4; UC - 6; UC -8; GPC - 1; GPC - 2; GPC - 4; GPC - 6; GPC - 11; PC - 16; PC - 18; PC - 19; PC - 21*

1.2. Tasks of the discipline:

As a result of completing the discipline, the student should

Know:

- Fundamentals of preventive medicine aimed at improving the health of the child population and adolescents;
- epidemiological approach to the study of human diseases, types of epidemiological studies and their purpose;
- Fundamentals of legislation on the sanitary and epidemiological well-being of the population, the main official documents regulating anti-epidemiological services for the population in case of infectious and parasitic diseases; regulatory documents on the prevention of infections associated with the provision of medical care to the population;
- the doctrine of the epidemic process and the theoretical foundations of the epidemiology of infectious diseases;
- implementation of specific and non-specific prevention of infectious diseases in the adult population.

Be able to:

- analyze and evaluate the quality of medical care, the state of health of the child and adult population, the influence of lifestyle, environmental, biological and organization of medical care factors on it;
- identify the causes (risk factors) of the development of the disease, evaluate the potential and actual effectiveness and safety of diagnostic, therapeutic and preventive measures and measures.
- participate in the organization and provision of medical and preventive and sanitary and anti-epidemic, preventive and rehabilitation assistance to the adult population, taking into account the socio-professional and age-gender structure;

Possess:

- mastering by students of basic theoretical knowledge and practical skills to identify the causes of the occurrence and spread of the incidence of the most common infectious and non-communicable diseases among the population;
- mastering by students of basic theoretical knowledge and practical skills to substantiate decisions on the implementation of measures to prevent the most common infectious and non-communicable diseases among the population using the principles of evidence-based medicine;
- mastering by students of basic theoretical knowledge and practical skills in carrying out preventive and anti-epidemic measures in medical and preventive and health-improving institutions aimed at preventing the occurrence of infectious and parasitic diseases; prevention of diseases among the population, measures for the prevention of infections associated with the provision of medical care in medical organizations, the creation of favorable conditions for the stay of patients and the work of medical personnel.

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 "Epidemiology" refers to the core part of block 1-B1.O.25 "Disciplines (modules)" .

The discipline is taught in 11 semester/ 6 year of study.

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

philosophy, bioethics, jurisprudence, psychology and pedagogy, physics, mathematics, medical informatics, biochemistry, biology, normal physiology, microbiology, virology, immunology, pharmacology, pathophysiology, clinical pathophysiology, hygiene, public health and healthcare, health economics, dermatovenereology, life safety, disaster medicine, propaedeutics of internal diseases, radiation diagnostics, infectious diseases, hospital surgery, pediatric surgery.

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

faculty therapy, occupational diseases; phthisiology, polyclinic therapy; hospital therapy, endocrinology; polyclinic therapy; evidence-based medicine; anesthesiology. resuscitation, intensive care; traumatology, orthopedics; organizational aspects of the activity of the local doctor.

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-1.	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis 1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems	-methods of formal logic -methods for assessing the incidence of the population	- apply the methods of formal logic to analyze the problem situation - calculate incidence rates and interpret socially significant sociological information on their basis	- methods for assessing the incidence of the population to develop measures to optimize the organization of medical care for the population and - a technique for interpreting socially significant sociological information based on incidence rates, the use of sociological knowledge in professional and social activities aimed at protecting and protecting the health of the population - the technique of putting forward a version of the solution to the problem, formulating a

						hypothesis, guessing the final result
2.	UC -3.	Able to organize and manage the work of the team, developing a team strategy to achieve the goal	<p>3.1 Knows: the problems of selecting an effective team; basic conditions for effective teamwork; the basics of strategic human resource management, regulatory legal acts concerning the organization and implementation of professional activities; organizational behavior models, factors of formation of organizational relationships; strategies and principles of teamwork, the main characteristics of the organizational climate and interaction of people in the organization</p> <p>3.2 Able to: determine the management style for the effective team work; develop a team strategy; apply the principles and methods of organizing team activities</p> <p>3.3 Has practical experience in: participation in the development of a team work strategy; participation in teamwork, role distribution in the team interaction</p>	<ul style="list-style-type: none"> - anti-epidemic system - basics of population morbidity management - organization of epidemiological studies; - organization of preventive and anti-epidemic measures - planning activities for anti-epidemic provision of the population 	<ul style="list-style-type: none"> - organize epidemiological studies - organize the application of preventive and anti-epidemic measures - plan activities for anti-epidemic provision of the population 	<ul style="list-style-type: none"> - population morbidity management technologies - an algorithm for organizing epidemiological studies with the choice and justification of the goal, in coordination with the team with the manifestation of personal initiative - an algorithm for the organization and implementation of preventive and anti-epidemic measures - skills of effective interaction with other people, organization of professional cooperation - the skills of formulating a common solution and resolving conflicts based on the coordination of positions and taking into account interests - skills in planning activities for anti-epidemic provision of the population
3.	UC -4.	Able to apply modern communication technologies, including the use of a foreign language(s), for academic and professional interaction	<p>4.1 Knows: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements to business communication, modern means of information and communication technologies</p> <p>4.2 Can: express thoughts in Russian and a foreign language in</p>	<ul style="list-style-type: none"> - anti-epidemic system - basics of population morbidity management - organization of epidemiological studies; - organization of preventive and anti-epidemic measures - planning activities for 	<ul style="list-style-type: none"> - organize epidemiological studies - organize the application of preventive and anti-epidemic measures - plan activities for anti-epidemic provision of the population 	<ul style="list-style-type: none"> - population morbidity management technologies - an algorithm for organizing epidemiological studies with the choice and justification of the goal, in coordination with the team with the manifestation of personal initiative - an algorithm

			<p>business communication</p> <p>4.3 Has practical experience in: writing texts in Russian and foreign languages related to the professional activity; experience in translating medical texts from a foreign language into Russian; experience in speaking Russian and foreign languages.</p>	<p>anti-epidemic provision of the population</p>		<p>for the organization and implementation of preventive and anti-epidemic measures</p> <ul style="list-style-type: none"> - skills of effective interaction with other people, organization of professional cooperation - the skills of formulating a common solution and resolving conflicts based on the coordination of positions and taking into account interests - skills in planning activities for anti-epidemic provision of the population
4.	UC -6.	<p>Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning</p>	<p>6.1 Knows: the importance of planning long-term goals of activity taking into account conditions, means, personal opportunities, stages of career growth, time perspective of development of activity and requirements of the labor market; technology and methodology of self-assessment; basic principles of self-education</p> <p>6.2 Able to: determine the priorities of professional activity and ways to improve it on the basis of self-assessment; control and evaluate the components of professional activity; plan independent activities in solving professional problems</p> <p>6.3 Has practical experience in: planning their own professional activities and self-development, studying additional educational programs</p>	<ul style="list-style-type: none"> - anti-epidemic system - basics of population morbidity management - organization of epidemiological studies; - organization of preventive and anti-epidemic measures - planning activities for anti-epidemic provision of the population 	<ul style="list-style-type: none"> - organize epidemiological studies - organize the application of preventive and anti-epidemic measures - plan activities for anti-epidemic provision of the population 	<ul style="list-style-type: none"> - population morbidity management technologies - an algorithm for organizing epidemiological studies with the choice and justification of the goal, in coordination with the team with the manifestation of personal initiative - an algorithm for the organization and implementation of preventive and anti-epidemic measures - skills of effective interaction with other people, organization of professional cooperation - the skills of formulating a common solution and resolving conflicts based on the

						coordination of positions and taking into account interests - skills in planning activities for anti-epidemic provision of the population
5.	UC -8.	Able to: create and maintain safe living conditions in everyday and professional life for the preservation of the natural environment, ensuring sustainable development of society, including in the case of a threat and occurrence of emergency situations and military conflicts	8.1 Knows: factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts 8.2 Able to: identify dangerous and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday and professional life 8.3 Has practical experience in: participation in planned exercises to work out the rules of conduct in case of emergencies, first aid; complies with safety regulations at the workplace	- anti-epidemic system - basics of population morbidity management - organization of preventive and anti-epidemic measures - planning activities for anti-epidemic support of the population in case of emergencies and military conflicts	- organize the application of preventive and anti-epidemic measures - plan activities for anti-epidemic support of the population in the event of emergencies and military conflicts	- the skills of recognizing and assessing dangerous situations, risk factors of the environment that affect the health of the population or individual groups of the population, determining ways to protect against them, providing self- and mutual assistance in case of dangers
6.	GPC -1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice 1.2 Able to: apply ethical norms and principles of behavior of a healthcare worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives) 1.3 Has practical experience in: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal	fundamentals of the legislation of the Russian Federation, the main regulatory and technical documents for the protection of public health	use educational, scientific, popular science literature, the Internet for professional activities; analyze and evaluate the quality of medical care for the adult population, the state of health of the population, the influence of lifestyle factors, the environment on it, and the organization of medical care.	basic information transformation technologies: text, spreadsheet editors; technique of working on the Internet for professional activities

			representatives), knowledge of the legal aspects of medical practice			
7.	GPC -2	Able to conduct and realize control of efficiency of activities for prevention, formation of the healthy lifestyle and sanitary and hygienic education	<p>2.1 Knows: the main criteria for the healthy lifestyle and methods of its formation; social and sanitary medical aspects of alcoholism, drug addiction, substance abuse, basic principles of their prevention; forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers; basic hygienic recreational activities that contribute to the health promotion and prevention of the most common diseases; fundamentals of preventive medicine; stages of planning and implementation of communal programs for the prevention of the most common diseases</p> <p>.2 Able to: conduct sanitary and hygienic education among children and adults (their legal representatives) and healthcare workers in order to form a healthy lifestyle and prevention of the most common diseases; carry out sanitary and educational work among children and adults with the aim of forming the healthy lifestyle and prevention of the most common diseases; of children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; develop and implement programs of healthy lifestyle formation, including reduction programs of alcohol and tobacco consumption, prevention</p>	<p>fundamentals of the legislation of the Russian Federation, the main regulatory and technical documents for the protection of public health</p>	<p>use educational, scientific, popular science literature, the Internet for professional activities; analyze and evaluate the quality of medical care for the adult population, the state of health of the population, the influence of lifestyle factors, the environment on it, and the organization of medical care.</p>	<p>basic information transformation technologies: text, spreadsheet editors; technique of working on the Internet for professional activities</p>

			<p>and fight against non-medical narcotic drug use and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients taking into account risk factors for prevention and early detection of diseases including cancer; carry out non-drug methods for the prevention of the most common diseases</p> <p>2.3 Has practical experience in:</p> <p>propaganda of healthy lifestyle and prevention of the most common diseases; carrying out sanitary and educational work among children and adults; formation of children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; formation of healthy lifestyle programs, including alcohol and tobacco consumption reduction programs, prevention and fight against non-medical consumption of narcotic drugs and psychotropic substances; development of a preventive action plan of events and implementation of group and individual prevention of the most common diseases; prescription of preventive measures for children and adults taking into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations taking into account the</p>		
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			standards of medical care; selection of non-drug methods for the prevention of the most common diseases			
8.	GPC -4	Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis	<p>4.1 Knows the methodology of collecting anamnesis of life and diseases, complaints of patients (their legal representatives); examination procedure; and physical examination; clinical aspect, methods of diagnosis of the most common diseases; methods of laboratory and instrumental investigations to assess the state of health, medical indications for conducting research, rules for interpreting their results; international statistical classification of diseases and health-related problems (ICD); conditions requiring emergency medical care; procedure for the use of medical devices in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p> <p>4.2 Able to: collect complaints, anamnesis of life and disease of patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical survey of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology among patients; identify risk factors for cancer; formulate a preliminary diagnosis, to make a plan for conducting laboratory, instrumental and additional</p>	- Basic principles of building a healthy lifestyle; Principles and methods of conducting sanitary and educational work among the population on the prevention of a number of diseases in various population groups	- Independently work with educational, scientific and reference literature. Draw general conclusions. Develop a work plan for the formation of a healthy lifestyle for various contingents (staff and patients of medical organizations, various professional and social groups), taking into account the sanitary and epidemiological situation, Develop methodological materials aimed at improving the sanitary culture and preventing diseases of the population. Public speaking with them	Skills of independent work with educational, scientific and reference literature, wording summarizing conclusions. The skills to develop a work plan for the formation of a healthy lifestyle for specific contingents (staff and patients of medical organizations, various professional and social groups), taking into account the sanitary and epidemiological situation. The skills of self-preparation of methodological materials (conversations, lectures, presentations, memos, brochures) aimed at improving the sanitary culture and prevention of diseases of the population and public speaking with them

			<p>investigations of patients in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; to refer patients to laboratory, instrumental and additional investigations in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to medical specialists in accordance with the procedures of medical care, clinical recommendations taking into account the standards of medical care; to interpret and analyze the results of consultations by medical specialists of patients; to interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; carry out differential diagnosis of diseases of patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p> <p>4.3 Has practical experience in: collecting complaints, anamnesis of life and disease of patients (their legal representatives), identifying risk factors and causes of disease development; examination and physical survey of</p>			
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			<p>patients; diagnosis of the most common diseases; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional investigations, consultations of specialist doctors; referral of patients for instrumental, laboratory, additional investigations, consultations of specialist doctors in accordance with the current procedures for providing medical care, clinical recommendations taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and problems related to health (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care; the use of medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the issues of medical care delivery, assistance taking into account the standards of medical care</p>			
9.	GPC -6	Able to: organize patient care, provide primary health care, ensure the organization of work and professional decision-making in case	6.1 Knows: methods of collecting complaints and anamnesis of patients (their legal representatives); methods of physical	Features of the provision of first medical care in urgent conditions at	- organize work and make professional decisions in emergency	algorithm of anti-epidemic measures, protection of the population in

		<p>of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction</p>	<p>examination of patients (examination, palpation, percussion, auscultation); principles and methods of medical care delivery to patients in urgent conditions, in emergency situations, epidemics and in centers of mass destruction in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; clinical signs of major emergency conditions; principles of medical evacuation in emergency situations, epidemics and in centers of mass destruction; principles of work in centers of mass destruction; principles of organization of patient care, first aid treatment</p> <p>6.2 Able to: recognize conditions that require healthcare delivery in an emergency form, including in the conditions of emergencies, epidemics and in the centers of mass destruction, requiring medical assistance in an emergency form; organize the work of medical personnel in emergency situations, epidemics and in centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including (blood circulation and (or) respiration); use medicines and medical products when providing medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize</p>	<p>the prehospital stage</p> <ul style="list-style-type: none"> - anti-epidemic system - basics of population morbidity management - organization of preventive and anti-epidemic measures - planning activities for anti-epidemic provision of the population 	<p>situations, epidemics</p> <ul style="list-style-type: none"> - to carry out anti-epidemic measures, to protect the population in foci of especially dangerous infections, in case of deterioration of the radiation situation and natural disasters 	<p>foci of especially dangerous infections, during natural disasters</p>
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			<p>patient care, provide primary health care</p> <p>6.3 Has practical experience in: assessing the condition requiring healthcare delivery in an emergency form, including in emergency situations, epidemics and in the centers of mass destruction; definition of life-threatening conditions, including the state of clinical death (arrest of vital important functions of the human body (blood circulation and (or) breathing) requiring medical care in the emergency form; medical care delivery in emergency form to patients in conditions, constituting life-threatening situations including clinical death (arrest of vital functions of human body (blood circulation and (or) respiration); the use of medicines and medical products in the provision of medical care in case of emergency conditions and epidemics; use of personal protective equipment; organization of patient care, first aid measures</p>			
10.	GPC - 11	Able to: prepare and apply scientific, research and production, design, management and regulatory documentation in the health care system	<p>11.1 Knows: scientific, research and production, design, management and regulatory documentation in the healthcare system</p> <p>11.2 Able to: prepare scientific, research and production, design, management and regulatory documentation in the healthcare system</p>	scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system, regulatory documentation in the field of providing sanitary and anti-epidemic measures	prepare scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	Principles of scientific and organizational activity
11.	PC - 16	Able to: organize and monitor the immunoprophylaxis of infectious diseases in the adult population, prescribe preventive	16.1 Knows: principles of application of specific and non-specific prevention of infectious diseases, the national	- principles for the use of specific and non-specific prevention of infectious	- organize and conduct immunoprophylaxis of infectious diseases in	The algorithm for conducting and monitoring the effectiveness of measures for the prevention

		<p>measures to patients taking into account risk factors in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care and monitor compliance with preventive measures</p>	<p>calendar of preventive vaccinations and the calendar of preventive vaccinations for epidemic indications; legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; preventive measures taking into account the diagnosis in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) about medical care delivery taking into account the standards of medical care</p> <p>16.2 Able to: organize and carry out immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account standards of medical care; prescribe preventive measures to patients taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases</p>	<p>diseases, - the national calendar of preventive vaccinations and the calendar of preventive vaccinations according to epidemic indications; - Legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; - preventive measures, taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols)</p>	<p>the adult population in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; - prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases</p>	<p>and promotion of a healthy lifestyle and sanitary and hygienic education</p>
12.	PC - 18	<p>Able to determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor in the event of infectious (parasitic) diseases, issue and send an emergency notification to the territorial body of the Federal Service for Supervision of</p>	<p>18.1 Knows: The legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; rules for conducting sanitary and anti-epidemic measures</p> <p>15.2 Able to: determine medical indications for the introduction of</p>	<p>- Legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; - rules for conducting</p>	<p>- determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor; - to carry out</p>	<p>- plan introduction of restrictive measures (quarantine) - an algorithm for submitting a notification to the territorial body of the Federal Service for Supervision of Consumer Rights</p>

		Consumer Rights Protection and Human Well-being when an infectious or occupational disease is detected, carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures for the identification of highly dangerous (quarantine) infectious diseases	restrictive measures (quarantine) and indications for referral to a specialist doctor; carry out sanitary and anti-epidemic measures in the event of a focus of infection	sanitary and anti-epidemic measures	sanitary and anti-epidemic measures in case of outbreak of an infectious disease	Protection and Human Welfare of an emergency notification in case of detection of an infectious or occupational disease, to take anti-epidemic measures in the event of a focus of infection, including quarantine measures in case of detection of especially dangerous (quarantine) infectious diseases
13.	PC - 19	Able to: form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances, and evaluate the effectiveness of preventive work with patients	19.1 Knows: forms and methods of sanitary and educational work on the formation of elements of the healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical use of narcotic drugs and psychotropic substances 19.2 Able to: develop and implement programs for the formation of the healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical use of narcotic drugs and psychotropic substances	- forms and methods of sanitary and educational work on the formation of elements of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical consumption of narcotic drugs and psychotropic substances	- develop and implement healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical	The algorithm for conducting and monitoring the effectiveness of measures for the prevention and promotion of a healthy lifestyle and sanitary and hygienic education
14.	PC- 21	Able to: analyze morbidity, disability and mortality indicators to characterize the health of the assigned population of medical care and aimed at creating conditions for protecting the health of citizens	21.1 Knows: medical and statistical indicators of morbidity, disability and mortality characterizing health of the assigned population, the order of their calculation and evaluation 21.2 Able to: analyze official statistical reporting data, including forms of federal and sectoral statistical observation; analyze	- medical and statistical indicators of morbidity, disability and mortality, characterizing the health of the attached population, the procedure for their calculation	- analyze data from official statistical reporting, including forms of federal and sectoral statistical observation; analyze medical and statistical indicators of	Maintaining medical records and organizing the activities of nursing staff at the disposal

			medical and statistical indicators of morbidity, disability and mortality to assess the health of the assigned population	and evaluation	morbidity, disability and mortality to assess the health of the attached population	
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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
	UC -1 UC -3 UC -4 UC -6 UC -8 GPC -1 GPC -4 GPC -6 GPC -11 PC -16 PC -18 PC -19 PC -21	General epidemiology with the foundations of evidence-based medicine	<p>Epidemiological approach to the study of human pathology. Fundamentals of evidence-based medicine Brief history of epidemiology. The main stages in the development of the theory and practice of epidemiology. Modern structure of epidemiology. The main goals of epidemiology. Epidemiology in the system of medical education, the relationship of epidemiology with other medical sciences. Wide application of the epidemiological approach in the study of mass non-communicable diseases. Formation of the directions of clinical epidemiology and evidence-based medicine. Principles of evidence in the search for causal relationships. Epidemiology as the main preventive discipline.</p> <p>Epidemiological research Epidemiological research as the basis of epidemiology. Morbidity is the main subject of epidemiology. Morbidity as one of the objective mass phenomena reflecting the impact of adverse factors on the population.</p> <p>Types (options, characteristic features) of epidemiological studies. Continuous and selective, descriptive and analytical, observational and experimental, routine and special, one-stage (transverse) and longitudinal (long-term) retrospective, dynamic and mixed, field and clinical, indicative (trial), "case-control" and "cohort". Schematic diagram of the organization, the main stages of the study.</p>
	UC -1 UC -3 UC -4 UC -6 UC -8 GPC -1 GPC -4 GPC -6 GPC -11 PC -16 PC -18 PC -19 PC -21	Epidemiology of infectious diseases	<p>Epidemic process. Existing definitions of the concept of epidemic process. The role of L.V. Gromashevsky, K.O. Stallybrass, E.N. Pavlovsky, I.I. Elkin. V.A. Bashenina, V.D. Belyakova, B.L. Cherkassky and other domestic and foreign scientists in the creation and development of the doctrine of the epidemic process. Modern idea of the parasitic system. The concept of causality in relation to infectious and parasitic diseases from the standpoint of evidence-based medicine. The role of biological, natural and social factors in the development of the epidemic process. Epidemiological classification of infectious diseases. Features of the development of the epidemic process in anthroponoses, zoonoses and sapronoses.</p> <p>The doctrine of the epidemic process L.V. Gromashevsky. Modern ideas about the elementary basis of the epidemic process. Definition of the concept of "source" and "reservoir of infection". Definition of concepts mechanism, ways and factors of transmission. The basic law is the transmission mechanism. Possibility of applicability of the transmission mechanism theory to zoonoses and sapronoses.</p> <p>The doctrine of natural foci E.N. Pavlovsky.</p> <p>The theory of self-regulation of parasitic systems V.D. Belyakova et al., its main provisions, theoretical and practical significance. Socio-ecological concept of B.L. Cherkassky.</p> <p>Manifestations of the epidemic process.</p>

		<p>Organization of anti-epidemic activities. Preventive and anti-epidemic measures. The quality and effectiveness of anti-epidemic measures. Evaluation of the effectiveness of preventive and anti-epidemic measures from the standpoint of evidence-based medicine. Varying degree of controllability of infections. Groups of anti-epidemic measures. The main feature of the grouping of measures according to the direction of their action on the elements of the epidemic process.</p> <p>Measures aimed at the source of infection in anthroponoses and zoonoses.</p> <p>Measures aimed at breaking the transmission mechanism.</p> <p>Activities directed at a susceptible organism.</p> <p>Features of the organization of preventive and anti-epidemic measures and their performers.</p> <p>Measures to eliminate the consequences of natural disasters and other emergencies, features of their organization.</p> <p>Modern preventive programs.</p> <p>Immunoprophylaxis. The place of immunoprophylaxis in the system of preventive and anti-epidemic measures, its significance in different groups of infectious diseases. Epidemiological, social and economic significance of immunoprophylaxis in various infectious diseases. Modern international, national and regional programs in the field of immunoprophylaxis and their importance in the implementation of measures to prevent the spread and reduce the level of infectious diseases. Organization and conduct of vaccinations in medical organizations. Use in the practice of immunization of various types of vaccine preparations permitted in accordance with the procedure established by law on the territory of the Russian Federation (domestic and foreign). The quality of vaccination preparations that affect the effectiveness of immunization. Indications and contraindications for vaccination. Vaccination of persons not vaccinated according to the calendar. Evaluation and accounting of post-vaccination reactions and post-vaccination complications. The national calendar of preventive vaccinations as an instructive and methodological document regulating the timing, sequence, indications and scheme for the use of the vaccine. The principles of its compilation. Ways to improve the vaccination calendar. Approaches to the personification of immunoprophylaxis. Emergency immunoprophylaxis (non-specific and specific).</p> <p>Disinfection. Definition of disinfection. Types of disinfection. Preventive and focal (current and final). Disinfection methods. Mechanical, physical and chemical methods. Antimicrobial actions of chemicals - disinfectants: bactericidal, tuberculocidal, virucidal, fungicidal, sporicidal. Levels of disinfectant activity. Release forms of disinfectants. Requirements for ideal disinfectants. Individual means and compositions. The main groups of chemicals used as disinfectants. General characteristics of groups. Sterilization. Concept definition. The value of sterilization in the prevention of nosocomial infections. Pre-sterilization cleaning of medical devices (after disinfection). requirements for its implementation. Disinfection and sterilization equipment. Disinfection chambers.</p> <p>Epidemiology and prevention of individual infectious and parasitic diseases General characteristics of anthroponoses. Concept definition. Grouping of anthroponoses depending on the implementation of the main mechanism of transmission of infectious agents. Sources of infection and their potential and real epidemiological danger. Features of the development and manifestation of the epidemic process in anthroponoses with a different transmission mechanism. The activity of</p>
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			various transmission routes in various infectious diseases. Significance and characteristics of preventive and anti-epidemic measures. Epidemic management capabilities
	UC -1 UC -3 UC -4 UC -6 UC -8 GPC -1 GPC -4 GPC -6 GPC -11 PC -16 PC -18 PC -19 PC -21	Hospital epidemiology	Hospital epidemiology, structure and content Definition of healthcare-associated infections (HAIs). Concept definition. Terminology. The relevance of the problem at the present stage. Epidemiological, economic and social significance of healthcare-associated infections. Etiology. Existing groupings (classifications). The place of purulent-septic infections in the structure of HCAI. Hospital strains and their characteristics. Epidemiological features of HCAI in hospitals of various profiles. Preventive and anti-epidemic measures. Ensuring epidemiological safety in various medical organizations, including outpatient clinics. Sanitary-hygienic and anti-epidemic regime in medical organizations. The content and organization of epidemiological surveillance of HCAI, the features of its implementation in medical organizations of various profiles. Epidemiological analysis of the resistance of the main causative agents of HCAI to antimicrobial drugs. Prevention of HCAI among medical workers.
	UC -1 UC -3 UC -4 UC -6 UC -8 GPC -1 GPC -4 GPC -6 GPC -11 PC -16 PC -18 PC -19 PC -21	Epidemiology of noncommunicable diseases	Basic principles of the methodology for epidemiological studies of noncommunicable diseases. The difference between the epidemiology of infectious and non-infectious: a longer latent period, the unpredictability of its specific terms, the gradual development of the disease, the great variability of the signs of the disease, the multifactorial nature of the etiology and pathogenesis, the probabilistic nature, the difficulty of identifying the immune part of the population to the disease, the prognosis of morbidity and the effectiveness of prevention, etc. d. The purpose of the epidemiology of non-communicable diseases is to establish quantitative patterns in the formation of the incidence of the population with chronic pathological conditions or diseases and to develop measures to control them. The value of epidemiological research in the study of noncommunicable diseases. The main objectives of the study of the epidemiology of noncommunicable diseases. Features of the epidemiology of current diseases (cardiovascular, oncological, allergic, congenital anomalies, injuries, poisoning, environmentally caused diseases, etc.).

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

Type of educational work	Labor intensity		Labor intensity (AH) in semesters 11
	volume in credit units (CU)	volume in academic hours (AH)	
Classroom work, including		66	66
Lectures (L)		14	14
Laboratory practicum (LP)*		-	-
Practicals (P)		52	52
Seminars (S)		-	-
Student's individual work (SIW)		42	42
Mid-term assessment			
credit/exam (<i>specify the type</i>)		c	c
TOTAL LABOR INTENSITY	3	108	108

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
11	General epidemiology with the basics of evidence-based medicine	4	-	5	-	6	15
11	Epidemiology of infectious diseases	6	-	35	-	20	61
11	Hospital epidemiology	2	-	7	-	10	19
11	Epidemiology of noncommunicable diseases	2	-	5	-	6	13
	TOTAL	14	-	52	-	42	108

* - 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
		Semester - 11
1	Epidemiological approach to the study of pathology and public health. Introduction to epidemiology.	2
2	Epidemiological method and types of epidemiological studies. epidemiological diagnosis.	2
3	General epidemiology of infectious diseases. The doctrine of the epidemic process.	2
4	Immunoprophylaxis of infections. Organization of vaccination business.	2
5	Epidemiology and prevention of the most urgent intestinal anthroponoses.	2
6	General issues of epidemiology and prevention of infections associated with the provision of medical care to the population.	2
7	Fundamentals of the epidemiology of noncommunicable diseases.	2
	TOTAL (total – 14 AH)	14

6.2.2. The thematic plan of laboratory practicums - not provided for by the FGOS.

6.2.3. Thematic plan of practicals

№	Name of the topics of practicals	Volume in AH
		semester -11
1	Epidemiological method and types of research. epidemiological diagnosis. Population morbidity rates.	5
2	The doctrine of the epidemic process. Anti-epidemic measures in the focus of an infectious disease. Investigation of the epidemic focus.	5
3	Immunoprophylaxis of topical infections. Organization of vaccination business.	6
4	Fundamentals of disinfection and sterilization. Organization and	6

2	11	Current monitoring	Control of mastering the topic	Epidemiology of infectious diseases.	UC -1 UC -3 UC -4 UC -6 UC -8 GPC -1 GPC -4 GPC -6 GPC -11 PC -16 PC -18 PC -19 PC -21	- Interview (on control questions) - Written and computer testing	1	20
			Monitoring the student's individual work				30	3
3	11	Current monitoring	Control of mastering the topic	Hospital epidemiology	UC -1 UC -3 UC -4 UC -6 UC -8 GPC -1 GPC -4 GPC -6 GPC -11 PC -16 PC -18 PC -19 PC -21	- Written and computer testing, - Interviews on situational tasks	30	3
			Monitoring the student's individual work				1-3	50
4	11	Current monitoring	Control of mastering the topic	Epidemiology of noncommunicable diseases	UC -1 UC -3 UC -4 UC -6 UC -8 GPC -1 GPC -4 GPC -6 GPC -11 PC -16 PC -18 PC -19 PC -21	- Abstract - Written and computer testing	30	3
			Monitoring the student's individual work					
2.	11	Mid-term assessment	Credit			- Interviews on situational tasks	3	50

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
1	General epidemiology with the foundations of evidence-based medicine. Guide to practical exercises: textbook / Ed. acad. RAMN, prof. Pokrovsky V.I., prof. Briko N.I - M.: GEOTAR-MED, 2012 (2010). – 400 s.	2	105 + access to the electronic resource http://www.studmedlib.ru
2	Epidemiology. textbook in 2 volumes. Ed. Briko N.I., Zueva L.P., Pokrovsky V.I., Shkarina V.V., Sergiev V.P. Moscow. MIA, 2013		160

3	Epidemiology: textbook / N. I. Briko, V. I. Pokrovsky. - M. : GEOTAR-Media, 2015. - 368 p.	2	1 (also available in the Student Advisor)
4	Hospital epidemiology. Guide to practical exercises: study guide / ed. L. P. Zueva. - M. : GEOTAR-Media, 2015. - 416 p.		30

8.2. Further reading

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	Terms and definitions in epidemiology: a dictionary / V. V. Shkarin, A. S. Blagonravova; Shkarin Vyacheslav Vasilyevich; Blagonravova, Anna Sergeevna Nizhny Novgorod State Medical Academy. - 2nd ed., corrected. and additional - Nizhny Novgorod: NGMA, 2015. - Text: electronic.	8	60+ доступ http://nbk.pimunn.net/MegaPro/UserEntry?Action=Link_FindDoc&id=166147&idb=0
2	Epidemiological features of combined infections: monograph / V. V. Shkarin, A. S. Blagonravova; Shkarin, Vyacheslav Vasilyevich Blagonravova Anna Sergeevna - Nizhny Novgorod: Publishing house of NizhGMA, 2017. - Text: electronic.	10	2 http://nbk.pimunn.net/MegaPro/UserEntry?Action=Link_FindDoc&id=166590&idb=0
3	Epidemiological reader. Ed. N.I. Briko, V.I. Pokrovsky. Moscow MIA.2011		10
4	Epidemiology of intrauterine infections: textbook / N. Yu. Katkov-va, O. V. Kovalishena, L. Yu. Poslova, L. Yu.; Kovalishena, O. V.; Sergeeva, A. V.; Katkova, N. Yu.; Senyagina, N. E. - Nizhny Novgorod: Remedium Privolzhye, 2019. - Text: electronic.	10	3 http://nbk.pimunn.net/MegaPro/UserEntry?Action=Link_FindDoc&id=166855&idb=0

8.3. Electronic educational resources for teaching academic subjects

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

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Internal electronic library system (VEBS)	Proceedings of the teaching staff of the academy: textbooks and manuals, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents.	From any computer on the Internet, using an individual login and password	Not limited

8.3.2. Electronic educational resources acquired by the University

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	DB "Medicine. Healthcare (HPE)" (EBS "Student Consultant")	Educational literature + additional materials (audio, video, interactive	from any computer on the Internet using an	Unlimited

		materials, test tasks) for higher medical and pharmaceutical education	individual login and password	
2	Electronic library system "BookUp"	Educational and scientific medical literature of Russian publishers, incl. translations of foreign publications from the computers of the university;	from any computer on the Internet using an individual login and password Subscribed editions are available for reading.	Unlimited
3	Electronic medical library "Doctor's Consultant"	National guidelines in all areas of medicine, clinical guidelines, textbooks, monographs, atlases, pharmaceutical reference books, audio and video materials, ICD-10 and ATC, recent publications in foreign journals with brief annotations in Russian	from any computer located on the Internet, using an individual login and password	Limited
4	Electronic legal reference system "Consultant Plus"	Normative documents regulating the activities of medical and pharmaceutical institutions	from the computers of the scientific library	Unlimited
5	Domestic electronic periodicals	Medical periodicals	from the university computers on the platform of the SCIENTIFIC electronic library eLIBRARY.RU Subscribed editions are available for reading.	Unlimited
6	DB Medline Complete	Foreign full-text database of articles from scientific periodicals and collections of medical and natural science topics from university computers;	from any computer on the Internet, using an individual login and password	Unlimited
7	Electronic collection of the Springer	publishing house Full-text scientific publications (journals, books, articles, scientific protocols, conference materials, etc.) in the natural sciences, medical and humanities	from the university computers	Unlimited
8	Electronic collection "Freedom"	on the platform Science Direct Books and periodicals of the publishing house "Elsevier"	from the university computers	Unlimited

9	Scopus database	International scientific citation abstract database	from the university computers	Unlimited
10	DB Web of Science Core Collection	International scientific citation abstract database	from the university computers	Unlimited
11	DB Questel Orbit	Questel Patent Database	from the university computers	Unlimited

8.3.3 Open access resources

<i>№</i>	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>
1	Electronic catalog "Russian medicine" TsNMB of the First Moscow State Medical University. THEM. Sechenov http://www.scsml.rssi.ru/	Bibliographic descriptions of domestic and foreign books, collections of works, conference materials, articles from domestic journals and collections, dissertations, author's abstracts, deposited manuscripts. Thematically, the database covers all areas of medicine and related fields.	Unlimited
2	Federal electronic medical library of the Central Scientific Library of the First Moscow State Medical University. THEM. Sechenov http://feml.scsml.rssi.ru/feml	Full-text electronic copies of printed publications and independent original electronic publications that have no analogues recorded on traditional media.	Unlimited
3	Electronic library of dissertations of the RSL http://diss.rsl.ru/?menu=disscatalog/	Provides the ability to search for dissertations and abstracts of dissertations.	Unlimited
4	Scientific electronic library eLIBRARY.RU http://elibrary.ru/defaultx.asp	The largest Russian information and analytical portal in the field of science, technology, medicine and education, containing abstracts and full texts of more than 25 million scientific articles and publications, including electronic versions.	Unlimited
5	http://www.dart-europe.eu/basic-search.php	Full texts of dissertations in English and other European languages	Unlimited
6	http://www.cochrane.org/Evidence based medicine database.	Open access summaries of informational systematic reviews of medical materials.	Unlimited
7	http://www.ncbi.nlm.nih.gov/books	A library of medical and biological science books maintained by the National Center for Biotechnology Information (NCBI, USA).	Unlimited

9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

Lectures are available for:

- lecture hall equipped with presentation equipment, projector, screen, computer/laptop
- a set of films-slides for overhead to lectures in accordance with the plan of lectures

For practical training there is:

7 classrooms equipped with educational furniture, educational boards, stands, diagrams, and other demonstration materials.

The computer class (room 227) is equipped with 11 PCs, has a package of training programs, sets of test tasks (intermediate, final).

Premises and their functional purpose

№	Cabinet number	Name	Cabinet Area M ²	Quantity Workers places	Employment in hours
1	240	Study room	44,4 M ²	30	8
2	239	Study room	43 M ²	42	8
3	238	Teaching room	20,8 M ²	5	8
4	237	Teaching room	21,6 M ²	5	8
5	236	Teaching room	21,6 M ²	15	8
6	225	Teaching room	19,8 M ²	5	8
7	226	Study room	20,6 M ²	21	8
8	227	Teaching room (office of the head of the department)	25,9 M ²	22	8
9	228	eaching room (office of the head of the department)	21,9 M ²	8	8
10	229	Teaching room	21,9 M ²	3	8
11	230	Study room	24.3 M ²	27	8
12	231	Study room	26.5 M ²	22	8
13	233	Laboratory	29,8 M ²	2	8
14	234	Laboratory	39,3 M ²	20	8

9.2. List of equipment for classroom activities for the discipline

1. Tables for practical exercises

№	Name of the topic of the practical lesson	Name of the tables	№№ таблиц
1	Organization and implementation of preventive and anti-epidemic measures. Classification of infectious diseases.	Grouping types of epidemics according to various criteria. Mechanism of transmission of infection. Periods of contagiousness in some infectious diseases. Scheme of anti-epidemic measures in the outbreak. Terms of the incubation period for certain infectious diseases. Sources of infection and routes of transmission.	1 2 3 4 5 6
2	Immunoprophylaxis of infectious diseases.	Hepatitis B vaccination schedule. Preventive vaccination calendar for epidemic testimony. Preventive vaccination calendar (routine vaccination). The list of drugs recommended for non-specific prophylaxis of influenza and SARS.	7 8 9 10
3.	Fundamentals of disinfection, disinsection, deratization. Sterilization of medical devices.	Characteristics of disinfectants. Steam disinfection chambers. Stationary steam chambers. Krupin's camera. General view of Rozanov's disinfection chamber.	11 12 13 14 15
4.	Epidemiology, anti-epidemic measures, prevention, epidemiological surveillance in intestinal	Dispensary observation of patients with typhoid fever and paratyphoid fever. Specific prevention of typhoid fever. Cholera cholera pandemics	16 17 18 19

	anthroponotic infections	Vibrio cholerae resistance. Sources, ways and factors of transmission in intestinal diseases.	20 21
5.	Epidemiology, anti-epidemic measures, prevention, epidemiological surveillance in anthroponotic respiratory tract infections.	Harbingers of the rise and fall of the incidence of meningococcal infection.	22
6.	Sanitary protection of the country's territory from the importation and spread of quarantine infections. Epidemiology, anti-epidemic measures, prevention, epidemiological surveillance in hemorrhagic fevers	Scheme of the annual cycle of plague in small ground squirrels. Gopher flea. Flea development time. Ecology of small ground squirrels and seasonality of plague epizootics.	23 24 25 26
7.	Epidemiology, anti-epidemic measures, prevention, epidemiological surveillance in parasitic diseases	Evaluation of the epidemiological effectiveness of antihelminthic measures. System of antihelminthic measures. Three-month complex parasitic system (with echinococcosis). Diphyllobothriasis. Human helminth eggs. Ways of distribution of ascaris and whipworm eggs in cities and rural settlements. Ascariasis. Echinococcosis and alveococcosis. Opisthorchiasis. Epidemiological classification of helminths. Dimensions of adults of some helminths. Life span of helminths in the human body. Trichocephalosis. The scheme of transmission of helminths (according to E.S. Leykina.) The structure of the mosquito and the stages of its development. The duration of mosquito development depending on temperature. Types of the causative agent of human malaria.	27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
8.	Epidemiology, anti-epidemic measures, prevention, epidemiological and epidemiological surveillance in zoonotic infections.	The biological cycle of tick development. Plague. World distribution of tularemia. Scheme of transmission of the causative agent of tularemia during tick metamorphosis. Three-membered simple parasitic system (with lousy typhus). Mechanism of transmission of typhus. Tick-borne encephalitis (source of infection and route of transmission). Japanese encephalitis (scheme of virus circulation in natural and anthropurgic foci). Some types of ixodid ticks of epidemiological significance. Gamasid mites and their control. Pasture ticks and their control. Mosquito. Rickettsioses. Tularemia (according to E.N. Pavlovsky)	45 46 47 48 49 50 51 52 53 54 55 56 57
9.	Epidemiology, anti-epidemic measures, and prevention, epidemiological	Skin and soft tissue infections. abdominal infections. Catheter - associated infections	58 59 60

	surveillance in HCAI. Fundamentals of the sanitary and anti-epidemic regime in health care facilities. Processing of medical devices.		
10.	Epidemiology, anti-epidemic measures, prevention and epidemiological surveillance in parenteral viral hepatitis and HIV infection.	Prevention of viral hepatitis among medical workers.	61
Всего таблиц			61

2. List of videos:

	Title of the film	Title of the topic of the practical session
1.	Geography and diseases.	Epidemiology, anti-epidemic measures, prevention, epizootic and epidemiological surveillance in zoonotic infections.
2.	Rabies.	Epidemiology, anti-epidemic measures, prevention, epizootic and epidemiological surveillance in zoonotic infections.
3.	Anti-plague suit.	Epidemiology, anti-epidemic measures, prevention, epizootic and epidemiological surveillance in zoonotic infections. Sanitary protection of the country's territory from the importation and spread of quarantine infections.
4.	Deratization.	Epidemiology, anti-epidemic measures, prevention, epizootic and epidemiological surveillance in zoonotic infections.
5.	Disinfection and sterilization of medical devices in a medical organization.	Fundamentals of disinfection, disinsection, deratization. Sterilization of medical devices.
6.	Vaccinations at the clinic.	Immunoprophylaxis of infectious diseases
7.	Death Virus (HIV)	Epidemiology, anti-epidemic measures, prevention, epidemiological surveillance in HIV infection.
8.	HIV is positive.	Epidemiology, anti-epidemic measures, prevention, epidemiological surveillance in HIV infection.
9.	Kill the invisible (Ebola).	Epidemiology, anti-epidemic measures, prevention, epizootic and epidemiological surveillance in zoonotic infections.
10.	Foreign experience of medical waste management (CD).	Epidemiology, PEM and prevention, epidemiological surveillance in HCAI. Fundamentals of the sanitary and anti-epidemic regime in medical organizations. Processing of medical devices.
11.	Medical waste management system in medical organizations of the Russian Federation (CD).	Epidemiology, PEM and prevention, epidemiological surveillance in HCAI. Fundamentals of the sanitary and anti-epidemic regime in medical organizations. Processing of medical devices.
12.	Thermal destruction of medical waste in medical organizations (CD).	Epidemiology, PEM and prevention, epidemiological surveillance in HCAI. Fundamentals of the sanitary and anti-epidemic regime in medical organizations. Processing of medical devices.
13.	Population immunization safety (CD).	Immunoprophylaxis of infectious diseases

14.	Anti-Plague Hospital.	Epidemiology, anti-epidemic measures, prevention, epizootic and epidemiological surveillance in zoonotic infections. Sanitary protection of the country's territory from the importation and spread of quarantine infections.
15.	Hand processing.	Fundamentals of disinfection, disinsection, deratization. Sterilization of medical devices.

1. folders with a selection from SANPIN for independent classroom and extracurricular work of students - 123
2. Collections of "Orders, instructions, instructions" for practical exercises.
3. Sets of immunobiological preparations for practical exercises.
4. Sets of disinfectants for practical exercises.
5. Stands in thematic classes: "Epidemiological process" (27), "Immunoprophylaxis" (10, "Disinfection" (13), "Parasitology" (13), "Indication of bacteriological weapons" (12).
6. Library. 766 copies
7. Stands on the history of epidemiology.
8. Stands for scientific and educational work.
9. Stand on new infections in the world.
10. Stand "Training schedule", which contains information about the plan and schedule of lectures and practical classes, working off, consultations and exams
11. Stand "works of the department".
12. Stand "infectious incidence in Russia".
13. Stuffed animals.
14. Sets of tests.
15. Collections of problems.
16. Models of disinfection chambers 5 pcs.
17. Model of an anti-plague suit.
18. Multimedia complex - 3;
19. LCD TVs - 1;
20. Personal computers - 7;
21. First aid kit for medical care -1.

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)

№	Date of changes	No. of the minutes of the meeting of the department, date	Content of the change	Signature
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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