
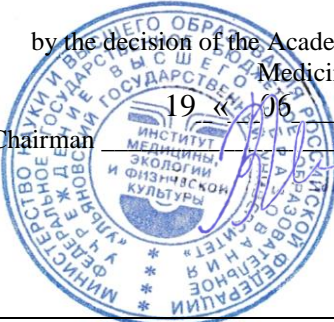


Ministry of Education and Science of the Russian Federation Ulyanovsk State University	Form a	
F - Work program for the discipline		

APPROVED
by the decision of the Academic Council of the USU Institute
Medicine, Ecology and Physical Culture
19 « 06 », 2019 Record No. 10/210
Chairman V.I. Midlenko
«19» 06 2019



Working programm

Discipline	Epidemiology
Faculty	Medical (English)
Department	Dermatovenereology and infectious diseases
Well	6

Direction (specialty) 31.05.01 General medicine
(code of direction (specialty), full name)

Focus (profile/specialization) - _____
full name



Full-time form of education _____
full-time, part-time, part-time (indicate only those that are being implemented)


Date of introduction into the educational process of UISU “ 1 ” 09 2019 .

The program was updated at the department: №1 of 31.08.2020.
The program was updated at the department : № 1 of 31.08.2021
The program was updated at the department :№1 of 29.08.2022
The program was updated at the department :№ 6 of 28.04.2023
The program was updated at the department :№ 9 of 26.04.2024

Information about the developers:

Full name	Department	Position, academic degree, title
Mertsalova S.L.	Infectious and skin-venereal diseases	Associate Professor, Ph.D.

AGREED	AGREED
Head of the department implementing the program	Head of the graduate department
 / <u>Kiseleva L.M./</u> Signature Full name “ 30 ” May 2019	 / <u>Vize-Khripunova M.A./</u> Signature Full name May

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	“ 30 ” 2019
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1. GOALS AND OBJECTIVES OF MASTERING THE DISCIPLINE

Goals mastering the discipline :

- mastery of the theoretical and methodological foundations for the prevention of the most common infectious and non-infectious diseases;
- the process of mastering the discipline is aimed at developing professional competencies OPK-6, PK-3, PK-4 according to the plan for mastering the educational program.


Objectives of mastering the discipline:

- mastery of basic theoretical knowledge and practical skills in identifying the causes of the occurrence and spread of the most common infectious and non-infectious diseases among the population;
- teaching the student the basics of epidemiological research as universal methods for studying any mass pathology in the human population;
- developing the ability to use descriptive, analytical and experimental epidemiological studies to identify risk factors for infectious and non-infectious diseases with assessment of the effectiveness of preventive and therapeutic measures;
- developing the ability to organize preventive and anti-epidemic work and practical skills to substantiate decisions on carrying out preventive and anti-epidemic measures aimed at improving health.

2. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF THE BRI

2.1. Discipline B1.B.41 “Epidemiology” refers to the professional cycle of the basic part of the educational program in the specialty 31.05.01 “General Medicine”.

2.2. To study the discipline, knowledge, skills and abilities are required, formed by previous disciplines: philosophy, bioethics, law, psychology and pedagogy, physics, mathematics, medical informatics, biochemistry, biology, normal physiology, virology, immunology, pharmacology, pathophysiology, clinical pathophysiology, hygiene , public health and healthcare, healthcare economics, dermatovenerology, life safety, disaster medicine, propaedeutics of internal diseases, radiology, infectious diseases, hospital surgery.

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2.3. Studying the discipline is necessary for the knowledge, skills and abilities formed by subsequent disciplines of the professional cycle: faculty therapy, occupational diseases; phthysiology, outpatient therapy; hospital therapy, endocrinology; evidence-based medicine; anesthesiology, resuscitation, intensive care; traumatology, orthopedics; organizational aspects of the activities of a local doctor.

**3. LIST OF PLANNED TRAINING OUTCOMES
DISCIPLINE (MODULE) CORRELATED WITH THE PLANNED RESULTS OF
MASTERING THE BASIC PROFESSIONAL
EDUCATIONAL PROGRAM**



No. /	Code competitions	Content competencies (or parts thereof)	As a result of studying the academic discipline students must:		
			know	be able to	own
1	OPK 6	Readiness to process a medical documentations	Maintaining standard medical records and reports in medical organizations	Assess the state of public health based on the results of calculations of medical statistics indicators	Correct maintenance of medical records
2	PC-3	Ability and readiness to carry out anti-epidemic measures, organize the protection of the population in outbreak areas, in case of deterioration of the radiation situation, natural disasters and other emergency situations	Diseases associated with the adverse effects of climatic and social factors; fundamentals of preventive medicine, principles of organization and content of preventive measures; epidemic process and non-infectious epidemiology	Analyze and assess the health status of the population and the influence of environmental factors on it; participate in the organization of sanitary and anti-epidemic assistance to the population; carry out preventive and anti-epidemic measures	Assessments of the state of public health, methods for calculating medical statistics, proper documentation.
3	PC4	Ability and readiness to use social and hygienic methods for collecting and medical-statistics	Children's health indicators, factors shaping health; the basic laws of the Russian Federation for the protection of public health, the main regula-	Use methods of primary and secondary prevention based on evidence-based medicine; analyze and evaluate health status	Public health assessments; proper documentation.




		tical analysis of information on population health indicators	tory and technical documents.	and the impact of environmental factors on it.		
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4. GENERAL EMPOWERMENT OF DISCIPLINE

4.1. Volume of the discipline in credit units (total) 2 z.e.

4.2. By type of educational work (in hours) 72

Type of study work	Number of hours (form of training - full-time)			
	Total according to plan	Incl. by semester		
		eleven	12	
1	2	3	4	
Contact work between students and teachers	5	2	3	
Auditory lessons:	54	32	22	
Lectures	10	10		
Practical and seminar classes	44	22	22	
Laboratory work (laboratory workshop)				

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Independent work	18	9	9	
Current control (quantity and type: contact work, colloquium, abstract)	Tests, survey			
Course work				
Types of intermediate certification (exam, test)	Test			
Total hours per discipline:	72	41	31	

4.3. Contents of the discipline (module). Hours distribution by topics and types of educational work :

Full-time form of education

Title of sections and topics	Total	Types of training sessions					Form of current knowledge control
		Audit classes			Interactive classes	Independent work	
		Lectures	Practical classes, seminars	Laboratory work, workshops			
1	2	3	4	5	6	7	8
Section 1. General epidemiologists I 25 6 14						5	
Topic 1. Epidemiology as a general medical science. Main directions of development of epidemiology. Epidemiological approach to the study of problems of pathology and health.	4	2	2				With interview Test control
Topic2. Epidemiological methods. Epidemiological studies.	15	2	8			5	Problem solving



Epidemiological diagnostics . Fundamentals of evidence-based medicine. Clinical epidemiology								Survey , tests
Topic 3. General epidemiology of infectious diseases. The doctrine of the epidemic process. The main manifestations of the epidemic process.	6	2	4					

Section 2. Content of anti-epidemic activities and the basis of its organization. Anti-epidemic forces and means.

28 4 18 6

Topic 4. Organization of anti-epidemic activities. Preventive and anti-epidemic measures. Epidemiological surveillance.	12	4	6			2	Solving situational problems, analyzing outbreaks of information. zab.
Topic 5. Disinfection, disinfestation, deratization. Sterilization.							
Topic 6. Immunoprophylaxis.	4		4				Tests
Topic 7. Organization and implementation of anti-epidemic measures in extreme conditions.	8		6			2	Survey, tester. control
	4		2			2	Survey, tests

Section 3. Particular epidemiology of infectious and parasitic diseases.



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Topic 8. Intestinal infections .	4		2			2	Survey, tests
Topic 9. Respiratory tract infections.	3		2			1	Survey, tests
Topic 10. Blood infections. Infections of the external integument	4		2			2	Survey, tests
Topic 11. Zoonoses, sapronoses, helminthiases.	3		2			1	Survey, tests
Topic 12. Epidemiology and prevention of HCAI.	2		1			1	For persons with visual, hearing and musculoskeletal impairments, slides in printed form in enlarged font, audio lectures and seminars, individual work with the student : consultations

							and assignments are available.
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1	2	3	4	5	6	7	
Section 4. Protection of the population in areas of particularly dangerous infections during deterioration of the radiation situation and natural disasters.							
Topic 13. Epidemiological surveillance of especially dangerous (quarantine) infections	3		3				Survey, tests
TOTAL	72	10	44			18	

5. CONTENT OF DISCIPLINE

Section 1. General epidemiology .

Topic 1. Epidemiology as a general medical science. Main directions of development of epidemiology. Epidemiological approach to the study of problems of pathology and public health.


A brief historical outline of the development of epidemiology, the main stages. Contribution of domestic and foreign scientists to the development of the theory and practice of epidemiology. The place of epidemiology in the system of medical sciences, medical education and healthcare. Epidemiology is a fundamental medical science related to the field of preventive medicine. Goals and objectives of epidemiology. Modern structure of epidemiology. An epidemiological approach to the study of human diseases, comparison with other approaches to the study of diseases - clinical, pathomorphological, etc. The subject of epidemiology is the morbidity of the population and its adverse outcomes. Causality in epidemiology

Causes and conditions that shape morbidity. The mechanism of formation of population morbidity. Manifestations of population morbidity (level, structure, distribution across territories, population groups and over time). The concept of “disease risk”.

. Topic 2. Epidemiological methods. Epidemiological studies.

Epidemiological diagnostics. Fundamentals of evidence-based medicine. Clinical epidemiology

Epidemiological research method. Definition of concepts: epidemiological analysis, epidemiological studies. Types of epidemiological studies. Observational and experimental, descriptive and analytical, cross-sectional and longitudinal, retrospective and prospective, clinical and field,

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randomized and non-randomized, controlled and uncontrolled epidemiological studies. Other characteristics of epidemiological studies. Descriptive-evaluative (descriptive) epidemiological studies: purpose, types, content. Stages of organizing descriptive-evaluative research. Research program and plan, collection, processing and grouping of epidemiological information. Tables and graphics. Basic statistical methods and concepts used in descriptive epidemiological studies: general and sample aggregate

ties, average values (arithmetic, geometric, harmonic), extensive (specific gravity, mortality) and intensive (morbidity, prevalence, mortality)

ness, disability) indicators, statistical comparison (parametric and non-parametric criteria), statistical distributions, time series (long-term and intra-annual morbidity dynamics), assessment of the statistical relationship between the studied characteristics (correlation, regression analysis).

Use of descriptive epidemiological methods in clinical practice.

Observational analytical studies: purpose, types, content, organization. Types of observational analytical epidemiological studies ("case-control", cohort). Advantages and disadvantages of different types of analytical studies. Use of analytical epidemiological methods in the clinic.

Experimental epidemiological studies. The purpose of epidemiological studies is to identify cause-and-effect relationships in the environment-health system, assess the potential and actual effectiveness and safety of preventive agents and measures. Types of experimental studies: controlled, uncontrolled, "natural" and other types of experimental studies


Randomized controlled experimental clinical and field trials are the "gold standard" of modern medicine (clinical epidemiology, evidence-based medicine) for assessing the safety and effectiveness of diagnostic, therapeutic, preventive, anti-epidemic drugs and measures. Clinical trials. Principles of group formation (inclusion criteria, informed consent, randomization, blinding). Clinical trial phases. Features of conducting RCTs of drugs, vaccines and other immunobiological preparations.

Randomized field controlled trial, purpose. Assessing the potential effectiveness of diagnostic and screening tests. Definition of the concepts diagnostic and screening test. The purpose of diagnostic (diagnosis and choice of therapy) and screening tests (early identification of patients and secondary prevention). Using experimental studies to evaluate diagnostic and screening tests. Features of organizing research to evaluate diagnostic tests. Basic testing scheme for a diagnostic test.

The "gold standard" is the most accurate diagnostic test. Trial design and evaluation of the effectiveness and safety of the screening program. Operational characteristics of diagnostic tests (sensitivity, specificity, validity). Legal and ethical aspects of experimental research in epidemiology. Reliability and evidence of scientific data. Pyramid of evidence. Epidemiological diagnostics - definition, concepts, sections. The concept of "epidemiological diagnosis", its content. Retrospective and operational epidemiological analysis.

Definition of "evidence-based medicine." History of formation, purpose, tasks. Basic principles of evidence-based medicine. Sources of evidence-based information. General structure of a scientific message, Algorithm for evaluating a scientific publication. Information systems in medicine. Models of information systems. Medical servers. Information systems in epidemiology. Databases: definition, classification. Relational and post-relational (document-oriented) databases. Electronic sources of evidence-based medical information. Contents and characteristics of databases containing information on evidence-based medicine.

Strategies for forming a search query in various search engines and databases, depending on the type of clinical question. Categories (MeSH). Strategies for finding randomized controlled trials, systematic reviews, diagnostic tests, etiological factors, disease prognosis, treatment outcomes,

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clinical guidelines, and evidence-based prevention programs developed by evidence-based centers.

Systematic reviews. Requirements for writing systematic reviews. Using systematic review data in practice. Meta-analysis. Requirements for conducting a meta-analysis. Cochrane Collaboration. Cochrane Library. Clinical epidemiology as a branch of epidemiology. Principles for optimizing the process of diagnosis, treatment and prevention in relation to a specific patient using data from epidemiological studies. The role of clinical epidemiology in the development of the scientific foundations of medical practice. Development of epidemiologically based clinical recommendations and standards for diagnosis, development of the disease, prognosis of outcomes, methods of treatment and prevention.

Topic 3. General epidemiology of infectious diseases The study of the epidemic process. The main manifestations of the epidemic process.

Contents of the epidemiology of infectious diseases as a branch of modern epidemiology. Epidemic process as a subject of epidemiology of infectious diseases. Definition of the concept of “epidemic process”, Contribution of L.V. Gromashevsky, E.N. Pavlovsky, I.I. Elkina, V.D. Belyakova, B.L. Cherkassky and other domestic and foreign scientists in the development of the doctrine of the epidemic process. The parasitic system as the basis of the epidemic process. The concept of the “epidemic triangle”. The law of epidemiology about the 3 links of the epidemic process. Epidemic triad of factors: source of infectious agent, transmission mechanism, population susceptibility.

Quantitative characteristics of the epidemic process: morbidity, prevalence, mortality, lethality, incidence and others, levels of intensity of the epidemic process - sporadic and epidemic morbidity. Definitions and characteristics of epidemic morbidity - outbreaks, epidemics, pandemics.

Elements of the natural and social environment that change the qualitative and quantitative characteristics of the epidemic process. The doctrine of the natural focality of diseases. Theory of self-regulation of parasitic systems. The epidemic process as a reflection of the dynamic interaction of genotypically and phenotypically heterogeneous populations of parasites

that and the owner in specific conditions of the social and natural environment. Socio-ecological concept of the epidemic process.

Reservoir and source of the infectious agent. Definitions of concepts. Reservoir and sources of pathogens of anthroponoses, zoonoses, sapronoses. Transmission mechanisms. The basic law of the transmission mechanism. Pathways and factors of transmission of infectious agents.

Susceptibility and immunity. Definitions of concepts. Immunological structure of the population. Heterogeneity of the child population in terms of susceptibility to infectious agents (genotypic and phenotypic). Methods for studying individual immunity and the immunological structure of the population. Nomenclature and modern epidemiological


logical classifications of infectious and parasitic diseases. Features of the presentation of infectious and parasitic diseases in ICD-10. Ecological and epidemiological classification of infectious diseases. Epidemic focus: definition, types, temporal and spatial boundaries. Epidemic foci in teams.

Section 2. Content of anti-epidemic activities and the basis of its organization.

Anti-epidemic forces and means.

Topic 4. Organization of anti-epidemic activities. Preventive and anti-epidemic measures. Epidemiological surveillance.

Prevention of morbidity and its adverse outcomes is the main goal of epidemiology. Levels and content of prevention (primary, secondary, tertiary prevention)

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ka), other levels and types of prevention. Types of prevention. Prevention as a process of managing (controlling) the morbidity of the population. The system of epidemiological surveillance of diseases and social and hygienic monitoring as diagnostic half-systems in the system of management (control) of population morbidity. Preventive and anti-epidemic means and measures. Grouping of preventive and anti-epidemic measures in the infectious disease management system, Measures regarding sources of infectious agents. A group of measures aimed at breaking the transmission mechanism (transmission paths and factors).

Activities aimed at a susceptible collective (organism).

Legal and ethical aspects of prevention. Legislative state acts ensuring the right of citizens to health protection: the Constitution of the Russian Federation, Fundamentals of the legislation of the Russian Federation on the protection of the health of citizens. By-laws of the state ensuring the protection of the health of citizens. Sanitary and epidemiological norms and rules, etc. Civil and criminal liability for actions (inaction) that resulted in a violation of the health of citizens.

Topic 5. Disinfection, disinfestation, deratization. Sterilization.

Disinfection. Definition of the concept. The importance and place of disinfection in the system of preventive and anti-epidemic measures. Stability of pathogens of infectious diseases on environmental objects. Types of disinfection: preventive, focal (current, final). Disinfection methods: mechanical, physical, chemical, biological, combined. Organization of disinfection activities in children's (preschool, school, medical) institutions.


Sterilization. Definition of the concept. The importance of sterilization in the prevention of hospital infections. Regulatory documents regulating the organization and conduct of sterilization activities. Organization of pre-sterilization cleaning and sterilization in pediatric medical organizations. Methods (steam, air, chemical, using ionizing radiation, combined, etc.) and means of sterilization. Sterilization modes, Quality control of pre-sterilization treatment and sterilization: chemical, bacteriological, physical) Centralized sterilization department (CSD) of a medical organization - structure, content of work.

Topic 6. Immunoprophylaxis.

Immunoprophylaxis of infectious diseases. Immunological basis of vaccination. Susceptibility to infectious diseases, factors influencing the intensity of the infectious process. Classification of types and forms of immunity. Assessment of the state of immunity of the children's population using skin immunological and allergic tests, serological research methods, goals and objectives of immunological (serological) monitoring, methodological approaches to organizing and conducting research. Goals, content and place of immunoprophylaxis in the system of preventive and prophylactic anti-epidemic measures, its significance for different groups of infectious diseases. History of immunoprophylaxis. Works by E. Jenner, L. Pasteur, I.I. Mechnikova, N.F. Gamaleya, A.A. Smorodintseva, M.P. Chumakov and other scientists.

Legal and regulatory foundations of immunoprophylaxis. National calendar of preventive vaccinations. Modern international, national and regional programs in the field of immunization. Classification of MIBP. Methods of production, characteristics, distinctive features, advantages and disadvantages, immunological effectiveness of MIBP.

Organization of vaccination work. Planning of preventive vaccinations. Accounting for children and adolescents. Maintaining vaccination records. Storage conditions and transportation of MIBP. Supervision of the quality of transportation and storage of MIBP. "Cold

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chain” - definition of the concept, structure, impact of violations in the cold chain on the effectiveness of immunization. Destruction of unused MIBP, syringes and needles. Requirements for equipping vaccination rooms. Immunoprophylaxis of certain infectious diseases in accordance with the National Preventive Vaccination Calendar. Timing and schedule of administration and dose. Features of immunization of special groups of the population.

Classification of contraindications to immunization. Possible reactions and complications. Monitoring and investigation of post-vaccination complications. Assessing the quality and effectiveness of immunoprophylaxis. The role of the doctor in organizing vaccination work.

Topic 7. Organization and implementation of anti-epidemic measures in extreme conditions.

Definition of the concept of “anti-epidemic system”. Its structure. The place of pediatric services in the anti-epidemic system. Anti-epidemic work at the pediatric medical clinic. Organization and implementation of anti-epidemic measures in extreme situations. Classification of extreme situations. Immediate and long-term sanitary, hygienic and epidemiological consequences of extreme situations. Medical and tactical characteristics of epidemic foci of infectious diseases in areas of extreme situations. Determination of the boundaries of the lesions. Stages of anti-epidemic activities when organizing events in the event of an extreme situation (preparatory, in case of a threat of development, in the midst of an extreme situation, during the period of elimination of long-term epidemiological consequences).

Sanitary and epidemiological intelligence - definition of the concept, tasks, organization. Methods of collecting information.

Section 3. Particular epidemiology of infectious and parasitic diseases.

Topic 8. Intestinal infections.

Intestinal anthroponoses. General characteristics of the group. Fecal-oral transmission mechanism, its stages. Transmission factors (primary, intermediate and final, major and secondary). Transmission routes. Terms of infectiousness of sources of infectious agents. Characteristics and features of the manifestations of the epidemic process. Specific elements of the social and natural environment that influence the mechanism of development and manifestation of the epidemic process. Types of epidemic process in intestinal anthroponoses. The theory of etiological selectivity of the leading transmission routes of shigellosis.


Epidemiological surveillance. Basics of prevention and anti-epidemic measures in epidemic foci.

Topic 9. Respiratory tract infections.

Respiratory tract infections (aerosol anthroponoses). General characteristics of the group. Stages of the transmission mechanism. Classification of aerosol anthroponoses. Features of the interaction of the pathogen with the host organism. Features of the manifestation of the epidemic process. The role of social conditions. Epidemiological surveillance. Basics of prevention and anti-epidemic measures in epidemic foci. Immunoprophylaxis as the main direction in the fight against aerosol anthroponoses.

Topic 10. Blood infections. Infections of the external integument.

Blood infections. General epidemiological characteristics. Characteristic transmission mechanism, transmission paths and factors. Features of the manifestations of the epidemic process. Epidemiological surveillance. Prevention and anti-epidemic measures in epidemic

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foci. An idea of the blood-contact (contact) mechanism of transmission and infections with this mechanism of transmission. Routes of transmission (artificial and natural). Transmission factors for infectious agents

Infections of the external integument. General epidemiological characteristics. Epidemiological surveillance and prevention.

Topic 11. Zoonoses, sapronoses, helminthiases.

Zoonoses. General characteristics of the group. Epidemiological classification based on the ecological proximity of pathogens. Definition of the concept of “natural focality” of infections. Classification of natural focal infections. Mechanisms, pathways and factors of transmission of pathogens from animals to humans. Concepts: reservoir, host, vector, specific and nonspecific contamination. Organization of epidemiological and epizootological surveillance. Preventive and anti-epidemic measures.

Sapronoses. General characteristics of groups. Classification. The role of natural and social conditions in the formation of the incidence of sapronoses. Organization of epidemiological surveillance. Preventive and anti-epidemic measures.

Helminthiasis and protozoa. General characteristics of the group. Classification. Characteristics of pathogens. Mechanism of transmission of invasion. Routes of infection. Features of the epidemic process. Participation of the outpatient service in the implementation of epidemiological surveillance of helminthiasis and protozoa. Primary anti-epidemic measures in outbreaks. Prevention.

Topic 12. Epidemiology and prevention of HCAI.

Healthcare-associated infections (HAIs). Basic concepts of hospital epidemiology, their definitions. Classification of HCAI. Mechanism, pathways, transmission factors. Features of the manifestation of the epidemic process in medical organizations of various profiles. Causes and conditions that determine the manifestations of the epidemic process. Preventive and anti-epidemic measures.

Basics of epidemiological surveillance of HCAI. A set of preventive and anti-epidemic measures. The place of the medical service in the structure of epidemiological control (management) of HCAI incidence.


Section 4. Protection of the population in hotbeds of particularly dangerous infections during deterioration of the radiation situation and natural disasters.

Topic 13. Epidemiological surveillance during especially dangerous (quarantine) infections.

Plague, cholera, yellow fever, highly contagious viral hemorrhagic fevers. Epidemiology and characteristics of sources of infection, routes of human infection. A system of anti-epidemic measures aimed at protecting the country’s territory from the introduction of infection. Anti-epidemic measures carried out in extreme situations when infection is imported into the territory of the Russian Federation.

An integral part of the national system for ensuring the sanitary and epidemiological well-being of the population of the Russian Federation is sanitary protection of the territory, aimed at preventing the import into the country and the spread of infectious diseases that pose a danger to the population, as well as preventing the import into the country of goods, chemical, biological and radioactive substances, waste and other goods that pose a danger to humans.

Sanitary protection of the country’s territory consists of a set of measures: organizational

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nal, sanitary and hygienic, anti-epidemic, treatment and prophylactic, economic, technical and others. One of the components of the complex is the organization of sanitary and quarantine control at checkpoints across the state border of the Russian Federation, which is carried out at 277 out of 448 points, in accordance with the International Medical and Sanitary Rules.

6. TOPICS OF PRACTICAL LESSONS

Section, topic	Questions to the topic



Section 1. Epidemic process and infectious epidemiology.

Topic 2.

Epidemiological research methods.

Epidemiological diagnostics. Fundamentals of evidence-based medicine.

Clinical epidemiology

The concept of “epidemiological methods” of research, their use for studying diseases of non-infectious origin. The main methodological approaches when using epidemiological methods: epidemiological observation, descriptive-evaluative and analytical methodological techniques, experimental research methods. Modern ideas about causality, definition of the concepts “cause”, “conditions”, “risk factors”, cause-and-effect relationship.” Epidemiological diagnostics, goals and objectives. Epidemiological analysis as the main methodological technique for epidemiological diagnostics. Retrospective and operational analysis, goals and objectives. Epidemiological research is the basis of evidence-based medicine. Pyramid of evidence. Standards in diagnosis, treatment, examination of the patient.

Topic 3. The doctrine of the epidemic process. Manifestations of EP.

The parasitic system as the basis of the epidemic process. The concept of the “epidemic triangle”. The law of epidemiology about the 3 links of the epidemic process. Epidemic triad of factors: source of infectious agent, transmission mechanism, population susceptibility.

Quantitative characteristics of the epidemic process: morbidity, prevalence, mortality, lethality, incidence and others, levels of intensity of the epidemic process - sporadic and epidemic morbidity. Definitions and characteristics of epidemic morbidity - outbreaks, epidemics, pandemics.



Section 2. Contents of anti-epidemic activities

Topic 4.

Organization of anti-epidemic activities. Preventive and anti-epidemic measures. Epidemiological surveillance.

Definition of the concept. Grouping of activities aimed at individual parts of the epidemic process (source of infection, transmission mechanism and susceptible organism). Definition of the concepts of "quality" and "efficiency" in relation to anti-epidemic measures. Medical and non-medical units of the anti-epidemic system. Structure of the sanitary-epidemiological service of the Russian Federation. The role of treatment and preventive institutions in the epidemiological surveillance system and the functions performed by health care facilities.

Topic 5. Disinfection, disinfection, deratization. Sterilization.

The place of disinfection in the system of anti-epidemic measures. Types of disinfection: preventive, focal (current and final). Disinfection methods: mechanical, physical, chemical, biological. Sterilization, stages of sterilization. Pre-sterilization treatment, methods and means of sterilization, quality control of sterilization. The place of disinfection in the system of anti-epidemic measures for various vector-borne infections. Types and methods of disinfection, basic means. Deratization, place in the system of anti-epidemic measures for zoonoses, the source of which are rodents

Topic 6. Immunoprophylaxis

The place of immunoprophylaxis in the system of anti-epidemic measures. A group of infectious diseases controlled by immunoprophylaxis. Quality and effectiveness of planned and emergency preventive measures. Methods for assessing the quality and effectiveness of vaccinations in controlled and uncontrolled epidemiological experiments. Immunoprophylaxis is planned and according to indications. Contraindications to vaccinations, post-vaccination complications. Characteristics of individual immunobiological preparations


Topic 7

Organization and implementation of emergency anti-epidemic measures in low conditions

Definition of the concept of "anti-epidemic system". Its structure. The place of medical services in the anti-epidemic system. Anti-epidemic work at the pediatric medical clinic. Organization and implementation of anti-epidemic measures in extreme situations. Classification of extreme situations.



<p>Section 3. Private epidemiology</p> <p>Topic 8. Intestinal infections</p> <p>Topic 9. Epidemiology and prevention of infectious diseases with aspiration transmission mechanism.</p> <p>Topic 10. Epidemiological surveillance of infections with contact and vector-borne transmission mechanisms. Infections of the external integument</p> <p>Topic 11. Zoonoses, sapronoses Parasitic diseases</p> <p>Topic 12. Epidemiology and prevention of HCAI</p>	<p>The most common diseases (shigellosis, salmonellosis, rotavirus infection, viral hepatitis A and E and other infections relevant to specific territories. General characteristics of the group. Features of the implementation of the mechanism in individual infections. Manifestations of the epidemic process. Epidemiological features of these infections in hospital conditions. Main directions of epidemiology surveillance. Anti-epidemic measures. The importance of measures aimed at breaking the transmission mechanism</p> <p>The most common diseases (influenza acute respiratory infections, chicken pox, measles, whooping cough, mumps, rubella, streptococcal infection, tuberculosis and other infections relevant to specific territories). General characteristics of the group. Manifestations of the epidemic process. Anti-epidemic measures. The importance of immunoprophylaxis.</p> <p>Epidemiology of HIV infection, viral hepatitis B, C, B and other infectious diseases with a contact mechanism of transmission. The main manifestations of the epidemic process. Characteristics of sources of infection, routes of transmission. At-risk groups. The significance of the parenteral route of transmission. The role of the social factor in the spread of these nosoforms. Epidemiological surveillance at the present stage. Epidemiological surveillance of tick-borne infections.</p> <p>Zoonoses. General characteristics of the group. Epidemiological classification based on the ecological proximity of pathogens. Definition of the concept of “natural focality” of infections. Classification of natural focal infections. Mechanisms, pathways and factors of transmission of pathogens from animals to humans. Organization of epidemiological and epizootological surveillance. Sapronoses. General characteristics of groups. Classification. The role of natural and social conditions in the formation of the incidence of sapronoses. Organization of epidemiological surveillance. Helminth infections - epidemiology and prevention.</p> <p>Healthcare-associated infections (HAIs). Basic concepts of hospital epidemiology, their definitions. Classification of HCAI. Mechanism, pathways, transmission factors. Features of the manifestation of the epidemic process in obstetric and pediatric medical organizations. Causes and conditions that determine the manifestations of the epidemic process. Preventive and anti-epidemic measures.</p>
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	Basics of epidemiological surveillance of HCAI. A set of preventive and anti-epidemic measures. The place of the medical service in the structure of epidemiological control (management) of HCAI incidence.
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<p>Section 4. Protection of the population in hotbeds of particularly dangerous infections during deterioration of the radiation situation and natural disasters</p> <p>Topic 13. Epidemiological surveillance of particularly dangerous infections.</p>	<p>Plague, cholera, yellow fever, highly contagious viral hemorrhagic fevers Ebola, Marburg, Lassa, malaria are especially dangerous quarantine infections. Criteria that combine these nosoforms into one group. Sanitary protection of the territory of the Russian Federation from the import and spread of quarantine infections. Primary anti-epidemic measures when identifying a patient (suspicious) according to these nosoforms. Activities carried out under quarantine conditions and during an epidemiological emergency.</p>
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7. LABORATORY WORK - GEF+3

(this type of work is not provided for by the UP)


8 . SUBJECTS OF ABSTRACTS

Parenteral viral hepatitis B, C, D

1. Relevance of the problem (epidemiological and socio-economic significance).
2. General characteristics of parenteral viral hepatitis, epidemiological features.
3. Characteristics of sources of infection and routes of transmission for viral hepatitis
4. Contents of preventive and anti-epidemic measures.
5. Means of specific prevention of viral hepatitis B and assessment of the effectiveness of vaccine prevention.

Tuberculosis

1. Relevance, medical and socio-economic significance of tuberculosis.
2. Prevalence of infection, characteristics of sources of infection and transmission routes, modern manifestations of the epidemic process.
3. Basic provisions, sections and features of epidemiological surveillance of tuberculosis.

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means and methods for preventing tuberculosis.

5. Characteristics and effectiveness of vaccination for tuberculosis.

Helminthiasis

- 1 Relevance, medical and socio-economic significance of helminthiasis.
2. Prevalence of infection, characteristics of sources of infection and routes of transmission, modern manifestations of the epidemic process in helminthiasis
3. Basic provisions, sections and features of epidemiological surveillance of helminthiasis
4. Modern means and methods of preventing helminthiasis.
5. Characteristics of the contact group of helminth infections.

Healthcare-associated infections (HAIs)


1. General characteristics of the HCAI epidemic process.
2. The significance of HCAI (epidemiological, economic, social);
3. Etiology of HCAI;
4. The concept of “hospital strain” of the pathogen and its characteristics;
5. Clinical and epidemiological manifestations of HCAI.
6. Epidemiological surveillance for HCAI
7. Preventive and anti-epidemic measures in the fight against HCAI

Streptococcosis


1. Relevance, medical and socio-economic significance of streptococcosis
2. Epidemiological features of the manifestation of the epidemic process.
3. Main sources and routes of transmission for streptococcosis.
4. Stages of epidemiological surveillance of streptococcosis.

9. LIST OF QUESTIONS FOR TESTING

1. Main directions of development of epidemiology.
2. Epidemiological approach to the study of problems of pathology and health.
3. Epidemiological methods.
4. Epidemiological studies.
5. Epidemiological diagnosis.
6. Basics of evidence-based medicine. Clinical epidemiology.
7. Randomized controlled experimental clinical and field trials are the “gold standard” of modern medicine.
8. Epidemic process as a subject of epidemiology of infectious diseases. Definition of the concept of “epidemic process”.
9. Epidemic triad of factors: source of infectious agent, transmission mechanism, population susceptibility
10. Quantitative characteristics of the epidemic process: morbidity, prevalence, mortality, lethality, incidence and others, levels of intensity of the epidemic process - sporadic and epidemic morbidity
11. Reservoir and source of the infectious agent. Definitions of concepts. Reservoir and sources of pathogens of anthroponoses, zoonoses, sapronoses.

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12. Transmission mechanisms. The basic law of the transmission mechanism. Pathways and factors of transmission of infectious agents.
 13. Epidemiological classification of infectious diseases.
 14. Epidemic focus: definition, types, temporal and spatial boundaries
 15. Grouping of preventive and anti-epidemic measures in the infectious disease management system.
 16. Measures regarding sources of infectious agents.
 17. A group of measures aimed at breaking the transmission mechanism (on the paths and factors of transmission).
 18. Activities aimed at a susceptible group (organism)
 19. Disinfection. Definition of the concept. The importance and place of disinfection in the system of preventive and anti-epidemic measures.
 20. Types of disinfection: preventive, focal (current, final).
 21. Disinfection methods: mechanical, physical, chemical, biological, combined. Organization of disinfection activities in various (preschool, school, medical) institutions.
 22. Sterilization. Definition of the concept. The importance of sterilization in the prevention of hospital infections.
 23. Methods (steam, air, chemical, using ionizing radiation, combined, etc.) and means of sterilization.
 24. Immunoprophylaxis of infectious diseases. Immunological basis of vaccination. Susceptibility to infectious diseases.
 25. Organization of vaccination work. Planning of preventive vaccinations.
 26. "Cold chain" - definition of the concept, structure, impact of disturbances in the cold chain on the effectiveness of immunization.
 27. Destruction of unused MIBP, syringes and needles.
 28. Requirements for equipping vaccination rooms.
 29. Immunoprophylaxis of certain infectious diseases in accordance with the National Calendar of Preventive Vaccinations.
 30. Classification of contraindications to immunization. Possible reactions and complications. Monitoring and investigation of post-vaccination complications.
 31. Assessing the quality and effectiveness of immunoprophylaxis.
- Organization and implementation of anti-epidemic measures in extreme situations.
32. Classification of extreme situations.
 33. Intestinal anthroponoses. General characteristics of the group. Fecal-oral transmission mechanism, its stages.
 34. Epidemiological surveillance. Basics of prevention and anti-epidemic measures in epidemic foci of typhoid fever.
 35. EN for viral hepatitis A.
 36. EN for rotavirus infections.
 37. Respiratory tract infections (aerosol anthroponoses). General characteristics of the group. Stages of the transmission mechanism.
 38. EN for measles, diphtheria, meningococcal infections.
 39. Blood infections. Epidemiological characteristics.
 40. Characteristics of the transmission mechanism, transmission paths and factors. Features of the manifestations of the epidemic process.
 41. Epidemiological surveillance. Prevention and anti-epidemic measures in epidemic foci of tick-borne encephalitis, tick-borne borreliosis.


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42. An idea of the blood-contact (contact) mechanism of transmission and infections with this mechanism of transmission. EN for viral hepatitis B, C
43. Infections of the external integument. General epidemiological characteristics. Epidemiological surveillance and prevention.
44. Zoonoses. General characteristics of the group. Epidemiological classification based on the ecological proximity of pathogens. Definition of the concept of “natural focality” of infections.
45. Saprinoses. General characteristics of groups. Classification. The role of natural and social conditions in the formation of the incidence of saprinoses.
46. Helminthiases and protozoonoses. General characteristics of the group. Classification. Characteristics of pathogens. Mechanism of transmission of invasion. Routes of infection. Features of the epidemic process.
47. Health care associated infections (HAIs). Basic concepts of hospital epidemiology, their definitions. Classification of HCAI. Mechanism, pathways, transmission factors.
48. Features of the manifestation of the epidemic process in medical organizations of various profiles. Causes and conditions that determine the manifestations of the epidemic process. Preventive and anti-epidemic measures.
49. Basics of epidemiological surveillance of HCAI.
50. Plague, cholera, yellow fever, highly contagious viral hemorrhagic fevers. Epidemiology and characteristics of sources of infection, routes of human infection.
- 51 System of anti-epidemic measures aimed at protecting the territory of the country from the introduction of infection. Anti-epidemic measures carried out during the import of particularly dangerous infections into the territory of the Russian Federation.



10. INDEPENDENT WORK OF STUDENTS

No. p/p	Title of sections and topics	Type of independent work	Volume in hours	form of control
1.	Topic No. 9 Epidemiology and prevention of tuberculosis	Studying educational literature, solving problems on organizing tuberculosis surveillance, studying instructive and methodological material on surveillance, writing abstracts.	8	Current control during a practical lesson, questions for testing. Abstract.
2.	Topic No. 9 Epidemiology of streptococcosis	Studying literary sources on this topic, solving situational problems and tests, preparing abstracts on this topic with subsequent discussion.	5	Questions for testing. Current control during a practical lesson. Essay
3	Topic No. 10 Epidemiology and prevention of viral hepatitis B, C, D.	Studying the literature on this topic, solving problems and tests, preparing abstracts for the test lesson.	13	Current control during a practical lesson, questions for testing. Abstract.
4	Topic No. 11 Epidemiology and prevention of helminthiasis	Studying literary sources on this topic, solving problems and tests. preparation of abstracts	2	Current control during a practical lesson, questions for testing. Essay
5	Topic No. 12 Epidemiological surveillance of healthcare associated infections (HAI)	Independent study of literary sources to prepare an essay. consultations on HCAI surveillance.	8	Current control during a practical lesson. Essay

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11. EDUCATIONAL AND METHODOLOGICAL SUPPORT OF DISCIPLINE

Literature.

_a) main:


1. Zueva L.I., Epidemiology. Textbook - St. Petersburg, 2008. 752
2. Briko N.I., Epidemiology: textbook / N.I. Briko, V.I. Pokrovsky - M.: GEOTAR-Media, 2017. - 368 p. - ISBN 978-5-9704-3665-3 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970436653.html>
3. Yushchuk N.D., Epidemiology of infectious diseases: textbook / Yushchuk N.D. and others - 3rd ed., revised. and additional - M.: GEOTAR-Media, 2016. - 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

additional literature:

1. Brazhnikov A.Yu., General epidemiology with the basics of evidence-based medicine: a guide to practical training / Brazhnikov A.Yu., Briko N.I., Kiryanova E.V., Mindlina A.Ya., Pokrovsky V.I., Polibin R. .V., Torchinsky N.V., I.P. Paltysheva. - M.: GEOTAR-Media, 2017. - 496 p. - ISBN 978-5-9704-4255-5 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970442555.html>
2. Chebyshev N.V., Infectious and parasitic diseases of developing countries / Ed. N.V. Chebysheva, S.G. Paka - M.: GEOTAR-Media, 2008. - ISBN 978-5-9704-0635-9 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970406359.html>
3. Pokrovsky V.I., Guide to practical classes on the epidemiology of infectious diseases: textbook / Pokrovsky V.I., Briko N.I. - M.: GEOTAR-Media, 2005. - 800 p. - ISBN 5-9704-0038-6 - Text: electronic // EBS "Student Consultant": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN5970400386.html>

educational literature

1. Mertsalova, S. L. Epidemiological diagnostics: Textbook. allowance / S. L. Mertsalova. - Ulyanovsk: UIGU, 2001, 59 p.
2. Mertsalova, S. L. Quarantine infections: educational method. allowance / S. L. Mertsalova, A. A. Nafeev. - Ulyanovsk: UIGU, 2004, 14 p.
3. Mertsalova, S. L. Epidemiological surveillance of nosocomial infections: educational method. manual for students, interns, clinic. residents, doctors / Mertsalova S. L., M. M. Kamaltdinov. - Ulyanovsk: UIGU, 2008, 29 p. <http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf>
4. Mertsalova, S. L. Specific prevention of infectious diseases: educational method. manual / Mertsalova S.L., Nafeev A.A. ; UISU, IMEiFK, Med. fak. - Ulyanovsk: UIGU, 2009, 68 p.
5. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
6. Nafeev A.A. Legionellosis (Legionnaires' disease): educational and methodological manual / Nafeev A.A., UISU, 2009, 48 p. <http://10.2.225.162>
6. Mertsalova, S. L. Epidemiology and prevention of helminthiasis: educational method. allowance / Mertsalova. - Ulyanovsk: UIGU, 2011. 36 p. – Access mode [/MegaPro/Download/MObject/69/merzalova1.pdf](http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf)
8. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
9. Mertsalova, S. L. Disinfection and disinsection: educational method. allowance / Mertsalova S.L.

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F - Work program for the discipline		

AA. Nafeev; UISU, IMEiFK. - Ulyanovsk: UIGU, 2011, 60 p. – Access mode

<http://10.2.225.162/MegaPro/Download/MObject/70/merzalova.pdf>

10. Nafeev A.A. Mertsalova S.L., Kiseleva L.M. Classification of infectious and parasitic diseases. Educational and methodological manual. UISU, 2013, 39 p.

11 Nafeev A.A. Highly contagious viral hemorrhagic fevers (Ebola, Lassa, Marburg) Educational manual / Nafeev A.A. UIGU 2015, 59 p.

Согласовано:
ДИРЕКТОР НБ / БУРХАНОВА М.М. /  / _____
Agreed: Должность сотрудника научной библиотеки / ФИО / подпись / дата

_____ / _____ / _____ / _____
Должность сотрудника научной библиотеки / ФИО / подпись / дата

Position of scientific library employee full name signature yes

b) Software

V) Professional databases, information and reference systems

1. Electronic library systems:

1.1. **IPRbooks** [Electronic resource]: electronic library system / IP Er Media group of companies. - Electron. Dan. - Saratov, [2019]. - Access mode: <http://www.iprbookshop.ru>.

1.2. **YURAYT** [Electronic resource]: electronic library system / LLC Electronic Publishing House YURAYT. - Electron. Dan. – Moscow, [2019]. - Access mode: <https://www.biblio-online.ru>.

1.3. **Student consultant** [Electronic resource]: electronic library system / LLC Politekhresurs. - Electron. Dan. – Moscow, [2019]. - Access mode: <http://www.studentlibrary.ru/pages/catalogue.html>.

1.4. **Lan** [Electronic resource]: electronic library system / LLC EBS Lan. - Electron. Dan. – St. Petersburg, [2019]. - Access mode: <https://e.lanbook.com>.

1.5. **Znanium.com** [Electronic resource]: electronic library system / Znanium LLC. - Electron. Dan. – Moscow, [2019]. - Access mode: <http://znanium.com>.


2. **ConsultantPlus** [Electronic resource]: legal reference system. /Company “Consultant Plus” - Electron. Dan. - Moscow: ConsultantPlus, [2019].

3. **Database of periodicals** [Electronic resource]: electronic magazines / IVIS LLC. - Electron. Dan. - Moscow, [2019]. - Access mode: <https://dlib.eastview.com/browse/udb/12>.

4. **National Electronic Library** [Electronic resource]: electronic library. - Electron. Dan. – Moscow, [2019]. - Access mode: <https://neb.rf>.

5. **Electronic library of dissertations of the Russian State Library** [Electronic resource]: electronic library / Federal State Budgetary Institution of the Russian State Library. - Electron. Dan. – Moscow, [2019]. - Access mode: <https://dvs.rsl.ru>.

6. Federal information and educational portals :

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6.1. Information system [Single window of access to educational resources](http://window.edu.ru) . Access mode: <http://window.edu.ru>

6.2. Federal portal [Russian education](http://www.edu.ru) . Access mode: <http://www.edu.ru>

7. Educational resources of UISU:

7.1. UISU Electronic Library. Access mode: <http://lib.ulsu.ru/MegaPro/Web>

7.2. Educational portal of UISU. Access mode: <http://edu.ulsu.ru>

Согласовано:


Техкин *1005* *каб.* | *Бородурина ЮС* | *Техкин* | _____
 Должность сотрудника УИТИ | ФИО | Подпись | дата

12. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE


To conduct classes, a lecture hall and classrooms for seminar classes (2) are used, equipped with the necessary furniture and technical teaching aids: blackboards, educational tables, slides, multi-media presentation of lectures, bacterial preparations (vaccines, diagnostics, serums, immunoglobulins).
 , tests , and role-playing games are used to determine the level of knowledge of students .

13. SPECIAL CONDITIONS FOR STUDENTS WITH LIMITED HEALTH CAPABILITIES

For persons with visual, hearing and musculoskeletal impairments, slides in printed form in enlarged font, audio lectures and seminars, individual work with the student: consultations and assignments are available.

Developed by Mertsalova, Assoc  or of the Department of Infectious and Skin Diseases venereal diseases

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10. EDUCATIONAL-METHODOLOGICAL AND INFORMATIONAL SUPPORT OF DISCIPLINE

a) List of recommended literature

Main literature:


1. Zueva L.I.. Epidemiology. Textbook - St. Petersburg, 2008. 752
2. Briko N.I., Epidemiology: textbook / N.I. Briko, V.I. Pokrovsky - M.: GEOTAR-Media, 2017. - 368 p. - ISBN 978-5-9704-3665-3 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970436653.html>
3. Yushchuk N.D., Epidemiology of infectious diseases: textbook / Yushchuk N.D. and others - 3rd ed., revised. and additional - M.: GEOTAR-Media, 2016. - 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

Additional literature:

4. Brazhnikov A.Yu., General epidemiology with the basics of evidence-based medicine: a guide to practical training / Brazhnikov A.Yu., Briko N.I., Kiryanova E.V., Mindlina A.Ya., Pokrovsky V.I., Polibin R. .V., Torchinsky N.V., I.P. Paltysheva. - M.: GEOTAR-Media, 2017. - 496 p. - ISBN 978-5-9704-4255-5 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970442555.html>
5. Chebyshev N.V., Infectious and parasitic diseases of developing countries / Ed. N.V. Chebysheva, S.G. Paka - M.: GEOTAR-Media, 2008. - ISBN 978-5-9704-0635-9 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970406359.html>
6. Pokrovsky V.I., Guide to practical classes on the epidemiology of infectious diseases: textbook / Pokrovsky V.I., Briko N.I. - M.: GEOTAR-Media, 2005. - 800 p. - ISBN 5-9704-0038-6 - Text: electronic // EBS "Student Consultant": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN5970400386.html>

Educational and methodological literature:

5. Mertsalova, S. L. Epidemiological diagnostics: Textbook. allowance / S. L. Mertsalova. - Ulyanovsk: UIGU, 2001, 59 p.
6. Mertsalova, S. L. Quarantine infections: educational method. allowance / S. L. Mertsalova, A. A. Nafeev. - Ulyanovsk: UIGU, 2004, 14 p.
7. Mertsalova, S. L. Epidemiological surveillance of nosocomial infections: educational method. manual for students, interns, clinic. residents, doctors / Mertsalova S. L., M. M. Kamaletdinov. - Ulyanovsk: UIGU, 2008, 29 p. <http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf>
8. Mertsalova, S. L. Specific prevention of infectious diseases: educational method. manual / Mertsalova S.L., Nafeev A.A. ; UISU, IMEiFK, Med. fak. - Ulyanovsk: UIGU, 2009, 68 p.
9. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
10. Nafeev A.A. Legionellosis (legionnaires' disease): educational manual / Nafeev A.A., UISU, 2009, 48 p. <http://10.2.225.162>
11. Mertsalova, S. L. Epidemiology and prevention of helminthiasis: educational method. allowance / Mertsalova. - Ulyanovsk: UIGU, 2011. 36 p. – Access mode [/MegaPro/Download/MObject/69/merzalova1.pdf](http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf)
12. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
13. Mertsalova, S. L. Disinfection and disinsection: educational method. allowance / Mertsalova S.L. Nafeev; UISU, IMEiFK. - Ulyanovsk: UIGU, 2011, 60 p. – Access mode <http://10.2.225.162/MegaPro/Download/MObject/70/merzalova.pdf>
14. Nafeev A.A. Mertsalova S.L.. Kiseleva L.M. Classification of infectious and parasitic diseases.

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Educational and methodological manual. UISU, 2013, 39 p.

15. Nafeev A.A. Highly contagious viral hemorrhagic fevers (Ebola, Lassa, Marburg) Educational manual / Nafeev A.A. UIGU 2015, 59

16. Electronic library systems:

17. 1.1. **IPRbooks** [Electronic resource]: electronic library system / IP Er Media group of companies. - Electron. Dan. - Saratov, [2020]. - Access mode: <http://www.iprbookshop.ru>

18. 1.2. **YURAYT** [Electronic resource]: electronic library system / LLC Electronic Publishing House YURAYT. - Electron. Dan. – Moscow, [2020]. - Access mode: <https://www.biblio-online.ru>

19. 1.3. **Student consultant** [Electronic resource]: electronic library system / LLC Politekhresurs. - Electron. Dan. – Moscow, [2020]. - Access mode: <http://www.studentlibrary.ru/pages/catalogue.html>

20. 1.4. **Lan** [Electronic resource]: electronic library system / LLC EBS Lan. - Electron. Dan. – St. Petersburg, [2020]. - Access mode: <https://e.lanbook.com>

21. 1.5. **Znanium.com** [Electronic resource]: electronic library system / Znanium LLC. - Electron. Dan. – Moscow, [2020]. - Access mode: <http://znanium.com>

22. 2. **ConsultantPlus** [Electronic resource]: legal reference system. /Company “Consultant Plus” - Electron. Dan. - Moscow: ConsultantPlus, [2019].

23.

24. 3. **Database of periodicals** [Electronic resource]: electronic magazines / IVIS LLC. - Electron. Dan. - Moscow, [2020]. - Access mode: <https://dlib.eastview.com/browse/udb/12>

25. 4. **National Electronic Library** [Electronic resource]: electronic library. - Electron. Dan. – Moscow, [2020]. - Access mode: <https://neb.rf>

26. 5. **Electronic library of dissertations of the Russian State Library** [Electronic resource]: electronic library / Federal State Budgetary Institution of the Russian State Library. - Electron. Dan. – Moscow, [2020]. - Access mode: <https://dvs.rsl.ru>

27. 6. Federal information and educational portals :


28. 6.1. Information system [Single window of access to educational resources](http://window.edu.ru). Access mode: <http://window.edu.ru>

29. 6.2. Federal portal [Russian education](http://www.edu.ru). Access mode: <http://www.edu.ru>

30. 7. Educational resources of UISU:

31. 7.1. UISU Electronic Library. Access mode: <http://lib.ulsu.ru/MegaPro/Web>

32. 7.2. Educational portal of UISU. Access mode: <http://edu.ulsu.ru>

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Leading specialist ___/___/___ Mazhukina S.N. ___/___/___  /_ 08/31/2020 _
 Position of scientific library employee Full name signature date

Update 2021

11. EDUCATIONAL-METHODOLOGICAL AND INFORMATIONAL SUPPORT OF DISCIPLINE

a) List of recommended literature

Main literature:


4. Zueva L.I., Epidemiology. Textbook - St. Petersburg, 2008. 752
5. Briko N.I., Epidemiology: textbook / N.I. Briko, V.I. Pokrovsky - M.: GEOTAR-Media, 2017. - 368 p. - ISBN 978-5-9704-3665-3 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970436653.html>
6. Yushchuk N.D., Epidemiology of infectious diseases: textbook / Yushchuk N.D. and others - 3rd ed., revised. and additional - M.: GEOTAR-Media, 2016. - 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

Additional literature:

7. Brazhnikov A.Yu., General epidemiology with the basics of evidence-based medicine: a guide to practical training / Brazhnikov A.Yu., Briko N.I., Kiryanova E.V., Mindlina A.Ya., Pokrovsky V.I., Polibin R. .V., Torchinsky N.V., I.P. Paltysheva. - M.: GEOTAR-Media, 2017. - 496 p. - ISBN 978-5-9704-4255-5 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970442555.html>
8. Chebyshev N.V., Infectious and parasitic diseases of developing countries / Ed. N.V. Chebysheva, S.G. Paka - M.: GEOTAR-Media, 2008. - ISBN 978-5-9704-0635-9 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970406359.html>
9. Pokrovsky V.I., Guide to practical classes on the epidemiology of infectious diseases: textbook / Pokrovsky V.I., Briko N.I. - M.: GEOTAR-Media, 2005. - 800 p. - ISBN 5-9704-0038-6 - Text: electronic // EBS "Student Consultant": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN5970400386.html>

Educational and methodological literature:


33. Mertsalova, S. L. Epidemiological diagnostics: Textbook. allowance / S. L. Mertsalova. - Ulyanovsk: UIGU, 2001, 59 p.
34. Mertsalova, S. L. Quarantine infections: educational method. allowance / S. L. Mertsalova, A. A. Nafeev. - Ulyanovsk: UIGU, 2004, 14 p.
35. Mertsalova, S. L. Epidemiological surveillance of nosocomial infections: educational method. manual for students, interns, clinic. residents, doctors / Mertsalova S. L., M. M. Kamaletdinov. - Ulyanovsk: UIGU, 2008, 29 p. <http://10.2.225.162/MegaPro/Download/MObject/69/mertsalova1.pdf>
36. Mertsalova, S. L. Specific prevention of infectious diseases: educational method. manual / Mertsalova S.L., Nafeev A.A. ; UISU, IMEiFK, Med. fak. - Ulyanovsk: UIGU, 2009, 68 p.
37. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
38. Nafeev A.A. Legionellosis (legionnaires' disease): educational manual / Nafeev A.A., UISU, 2009, 48 p. <http://10.2.225.162>

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39. Mertsalova, S. L. Epidemiology and prevention of helminthiasis: educational method. allowance / rtsalova. - Ulyanovsk: UIGU, 2011. 36 p. – Access mode [/MegaPro/Download/MObject/69/merzalova1.pdf](#)
40. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
41. Mertsalova, S. L. Disinfection and disinsection: educational method. allowance / Mertsalova SL. AA. Nafeev; UISU, IMEiFK. - Ulyanovsk: UIGU, 2011, 60 p. – Access mode <http://10.2.225.162/MegaPro/Download/MObject/70/merzalova.pdf>
42. Nafeev A.A. Mertsalova S.L.. Kiseleva L.M. Classification of infectious and parasitic diseases. Educational and methodological manual. UISU, 2013, 39 p.
43. Nafeev A.A. Highly contagious viral hemorrhagic fevers (Ebola. Lassa, Marburg) Educational manual / Nafeev A.A. UIGU 2015, 59

44. Electronic library systems:

45. 1.1. **IPRbooks** [Electronic resource]: electronic library system / IP Er Media group of companies. - Electron. Dan. - Saratov, [2021]. - Access mode: <http://www.iprbookshop.ru>
46. 1.2. **YURAYT** [Electronic resource]: electronic library system / LLC Electronic Publishing House YURAYT. - Electron. Dan. – Moscow, [2021]. - Access mode: <https://www.biblio-online.ru>
47. 1.3. **Student consultant** [Electronic resource]: electronic library system / LLC Politekhresurs. - Electron. Dan. – Moscow, [2021]. - Access mode: <http://www.studentlibrary.ru/pages/catalogue.html>
48. 1.4. **Lan** [Electronic resource]: electronic library system / LLC EBS Lan. - Electron. Dan. – St. Petersburg, [2021]. - Access mode: <https://e.lanbook.com>
49. 1.5. **Znanium.com** [Electronic resource]: electronic library system / Znanium LLC. - Electron. Dan. – Moscow, [2021]. - Access mode: <http://znanium.com>
50. 2. **ConsultantPlus** [Electronic resource]: legal reference system. /Company “Consultant Plus” - Electron. Dan. - Moscow: ConsultantPlus, [2019].
- 51.
52. 3. **Database of periodicals** [Electronic resource]: electronic magazines / IVIS LLC. - Electron. Dan. - Moscow, [2021]. - Access mode: <https://dlib.eastview.com/browse/udb/12>
53. 4. **National Electronic Library** [Electronic resource]: electronic library. - Electron. Dan. – Moscow, [2021]. - Access mode: <https://neb.rf>
54. 5. **Electronic library of dissertations of the Russian State Library** [Electronic resource]: electronic library / Federal State Budgetary Institution of the Russian State Library. - Electron. Dan. – Moscow, [2021]. - Access mode: <https://dvs.rsl.ru>
55. 6. **Federal information and educational portals :**
56. 6.1. Information system [Single window of access to educational resources](http://window.edu.ru). Access mode: <http://window.edu.ru>
57. 6.2. Federal portal [Russian education](http://www.edu.ru). Access mode: <http://www.edu.ru>


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F - Work program for the discipline		

58. 7. Educational resources of UISU:

59. 7.1. UISU Electronic Library. Access mode: <http://lib.ulsu.ru/MegaPro/Web>

60. 7.2. Educational portal of UISU. Access mode: <http://edu.ulsu.ru>

THE LIST OF CHANGES to the work program "Epidemiology" specialty 31.05.01 – Medical business

№	The content of the change or a link to the attached text of the change	Full name of the head of the department implementing the discipline/ graduating department		Date
1.	Amendments to paragraph (a) Professional databases, information and reference systems of paragraph 11 "Educational, methodological and information support of the discipline"	Nesterov A.S.		

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EDUCATIONAL, METHODOLOGICAL AND INFORMATION SUPPORT DISCIPLINES


a) List of recommended literature

Main literature:

7. Zueva L.I. Epidemiology. Textbook - St. Petersburg, 2008. 752
8. Briko N.I., Epidemiology: textbook / N.I. Briko, V.I. Pokrovsky - M.: GEOTAR-Media, 2017. - 368 p. - ISBN 978-5-9704-3665-3 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970436653.html>
9. Yushchuk N.D., Epidemiology of infectious diseases: textbook / Yushchuk N.D. and others - 3rd ed., revised. and additional - M.: GEOTAR-Media, 2016. - 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

Additional literature:

10. Brazhnikov A.Yu., General epidemiology with the basics of evidence-based medicine: a guide to practical training / Brazhnikov A.Yu., Briko N.I., Kiryanova E.V., Mindlina A.Ya., Pokrovsky V.I., Polibin R. .V., Torchinsky N.V., I.P. Paltysheva. - M.: GEOTAR-Media, 2017. - 496 p. - ISBN 978-5-9704-4255-5 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970442555.html>
11. Chebyshev N.V., Infectious and parasitic diseases of developing countries / Ed. N.V. Chebysheva, S.G. Paka - M.: GEOTAR-Media, 2008. - ISBN 978-5-9704-0635-9 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970406359.html>
12. Pokrovsky V.I., Guide to practical classes on the epidemiology of infectious diseases: textbook / Pokrovsky V.I.,

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F - Work program for the discipline		


Briko N.I. - M.: GEOTAR-Media, 2005. - 800 p. - ISBN 5-9704-0038-6 - Text: electronic // EBS "Student Consultant": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN5970400386.html>

Educational and methodological literature:

61. Mertsalova, S. L. Epidemiological diagnostics: Textbook. allowance / S. L. Mertsalova. - Ulyanovsk: UIGU, 2001, 59 p.
62. Mertsalova, S. L. Quarantine infections: educational method. allowance / S. L. Mertsalova, A. A. Nafeev. - Ulyanovsk: UIGU, 2004, 14 p.
63. Mertsalova, S. L. Epidemiological surveillance of nosocomial infections: educational method. manual for students, interns, clinic. residents, doctors / Mertsalova S. L., M. M. Kamaletdinov. - Ulyanovsk: UIGU, 2008, 29 p. <http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf>
64. Mertsalova, S. L. Specific prevention of infectious diseases: educational method. manual / Mertsalova S.L., Nafeev A.A. ; UISU, IMEiFK, Med. fak. - Ulyanovsk: UIGU, 2009, 68 p.
65. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
66. Nafeev A.A. Legionellosis (legionnaires' disease): educational manual / Nafeev A.A., UISU, 2009, 48 p. <http://10.2.225.162>
67. Mertsalova, S. L. Epidemiology and prevention of helminthiasis: educational method. allowance / Mertsalova S.L. - Ulyanovsk: UIGU, 2011. 36 p. – Access mode </MegaPro/Download/MObject/69/merzalova1.pdf>
68. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
69. Mertsalova, S. L. Disinfection and disinsection: educational method. allowance / Mertsalova S.L., Nafeev A.A.; UISU, IMEiFK. - Ulyanovsk: UIGU, 2011, 60 p. – Access mode <http://10.2.225.162/MegaPro/Download/MObject/70/merzalova.pdf>
70. Nafeev A.A. Mertsalova S.L., Kiseleva L.M. Classification of infectious and parasitic diseases. Educational and methodological manual. UISU, 2013, 39 p.
71. Nafeev A.A. Highly contagious viral hemorrhagic fevers (Ebola, Lassa, Marburg) Educational manual / Nafeev A.A. UIGU 2015, 59

72. 1. Electronic library systems:

73. 1.1. Digital educational resource IPRsmart: electronic library system: website / LLC IP AR Media Company. - Saratov, [2022]. – URL: <http://www.iprbookshop.ru>. – Access mode: for registered users. - Text: electronic.
74. 1.2. Educational platform YURAYT: educational resource, electronic library: website / LLC Electronic Publishing House YURAYT. – Moscow, [2022]. - URL: <https://urait.ru>. – Access mode: for registered users. - Text: electronic.
75. 1.3. Database “Electronic library of a technical university (EDS “Student Consultant”): electronic library system: website / Politekhresurs LLC. – Moscow, [2022]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Access mode: for registered users. – Text: electronic.
76. 1.4. Doctor's consultant. Electronic medical library: database: website / LLC Higher School of Organization and Management of Healthcare - Comprehensive Medical Consulting. – Moscow, [2022]. – URL: <https://www.rosmedlib.ru>. – Access mode: for registered users. – Text: electronic.
77. 1.5. Big Medical Library: electronic library system: website / Bukap LLC. – Tomsk, [2022]. – URL: <https://www.books-up.ru/ru/library/>. – Access mode: for registered users. – Text: electronic.
78. 1.6. EBS Lan: electronic library system: website / EBS Lan LLC. – St. Petersburg, [2022]. – URL: <https://e.lanbook.com>. – Access mode: for registered users. – Text: electronic.
79. 1.7. EBS Znaniy.com: Electronic library system: website / Znaniy LLC. - Moscow, [2022]. - URL: <http://znaniy.com>. – Access mode: for registered users. - Text: electronic.
80. 1.8. Clinical Collection: EBSCO scientific information database // EBSCOhost: [portal]. – URL : <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. – Access mode: for authorization. users. – Text: electronic.
81. 1.9. Database “Russian as a foreign language”: electronic educational resource for foreign students : website / LLC Company “IP AR Media” . - Saratov, [2022]. – URL: <https://ros-edu.ru>. – Access mode: for registered users. – Text: electronic.
82. **2. ConsultantPlus** [Electronic resource]: legal reference system. / LLC "Consultant Plus" - Electron. Dan.


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F - Work program for the discipline		


- 1.8. Clinical Collection: EBSCO scientific information database // EBSCOhost: [portal]. – URL : <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. – Access mode: for authorization. users. – Text: electronic.
- 1.9. Database “Russian as a foreign language”: electronic educational resource for foreign students : website / LLC Company “IP AR Media” . – Saratov, [2022]. – URL: <https://ros-edu.ru>. – Access mode: for registered users. – Text: electronic.
- 2. ConsultantPlus** [Electronic resource]: legal reference system. / LLC "Consultant Plus" - Electron. Dan. - Moscow: ConsultantPlus, [2022].
- 3. Databases of periodicals:**
- 3.1. Database of periodicals EastView: electronic magazines / IVIS LLC. - Moscow, [2022]. – URL: <https://dlib.eastview.com/browse/udb/12>. – Access mode: for authorization. users. – Text: electronic.
- 3.2. eLIBRARY.RU: scientific electronic library: website / LLC Scientific Electronic Library. – Moscow, [2022]. – URL: <http://elibrary.ru>. – Access mode: for authorization. users. – Text: electronic
- 3.3. Electronic library of the Grebennikov Publishing House (Grebinnikon): electronic library / ID Grebennikov LLC. – Moscow, [2022]. – URL : <https://id2.action-media.ru/Personal/Products>. – Access mode: for authorization. users. – Text: electronic.
- 4. Federal State Information System “National Electronic Library”** : electronic library: website / Federal State Budgetary Institution RSL. – Moscow, [2022]. – URL: <https://neb.rf>. – Access mode: for scientific library users. – Text: electronic.
- 5. SMART Imagebase : EBSCO scientific information database** // EBSCOhost : [portal]. – URL : <https://ebsco.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741>. – Access mode: for authorization. users. – Image: electronic.
- 6. Federal information and educational portals:**
- 6.1. [Single window of access to educational resources](http://window.edu.ru/) : federal portal. – URL: <http://window.edu.ru/>. – Text: electronic.
- 6.2. [Russian education](http://www.edu.ru) : federal portal / founder of the FGAU "FITsTO". – URL: <http://www.edu.ru>. – Text: electronic.
- 7. Educational resources of UISU:**
- 7.1. UISU Electronic Library System: “Electronic Library” module ABIS Mega-PRO / Data Express LLC. – URL : <http://lib.ulsu.ru/MegaPro/Web>. – Access mode: for scientific library users. – Text: electronic.

Agreed:

 |  |  | 22.04.2022
 Должность сотрудника УИТнТ | ФИО | Подпись | дата

**THE LIST OF CHANGES
to the work program "Epidemiology"
specialty 31.05.01 – Medical business**

№	The content of the change or a link to the attached text of the change	Full name of the head of the department implementing the discipline/ graduating department		Date
	Amendments to paragraph (a) Professional databases, information and reference systems of paragraph 11 "Educational, methodological and information support of the discipline"	Nesterov A.S.		

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12. EDUCATIONAL-METHODOLOGICAL AND INFORMATIONAL SUPPORT OF DISCIPLINE

a) List of recommended literature

Main literature:


10. Zueva L.I. Epidemiology. Textbook - St. Petersburg, 2008. 752
11. Briko N.I., Epidemiology: textbook / N.I. Briko, V.I. Pokrovsky - M.: GEOTAR-Media, 2017. - 368 p. - ISBN 978-5-9704-3665-3 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970436653.html>
12. Yushchuk N.D., Epidemiology of infectious diseases: textbook / Yushchuk N.D. and others - 3rd ed., revised. and additional - M.: GEOTAR-Media, 2016. - 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

Additional literature:

13. Brazhnikov A. Yu., General epidemiology with the basics of evidence-based medicine: a guide to practical training / Brazhnikov A. Yu., Briko N.I., Kiryanova E. V., Mindlina A. Ya., Pokrovsky V.I., Polibin R. V., Torchinsky N.V., I.P. Paltysheva. - M.: GEOTAR-Media, 2017. - 496 p. - ISBN 978-5-9704-4255-5 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970442555.html>
14. Chebyshev N.V., Infectious and parasitic diseases of developing countries / Ed. N.V. Chebysheva, S.G. Paka - M.: GEOTAR-Media, 2008. - ISBN 978-5-9704-0635-9 - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970406359.html>
15. Pokrovsky V.I., Guide to practical classes on the epidemiology of infectious diseases: textbook / Pokrovsky V.I., Briko N.I. - M.: GEOTAR-Media, 2005. - 800 p. - ISBN 5-9704-0038-6 - Text: electronic // EBS "Student Consultant": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN5970400386.html>

Educational and methodological literature:

94. Mertsalova, S. L. Epidemiological diagnostics: Textbook. allowance / S. L. Mertsalova. - Ulyanovsk: UIGU, 2001, 59 p.
95. Mertsalova, S. L. Quarantine infections: educational method. allowance / S. L. Mertsalova, A. A. Nafeev. - Ulyanovsk: UIGU, 2004, 14 p.
96. Mertsalova, S. L. Epidemiological surveillance of nosocomial infections: educational method. manual for students, interns, clinic. residents, doctors / Mertsalova S. L., M. M. Kamaletdinov. - Ulyanovsk: UIGU, 2008, 29 p. <http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf>
97. Mertsalova, S. L. Specific prevention of infectious diseases: educational method. manual / Mertsalova S.L., Nafeev A.A. ; UISU, IMEiFK, Med. fak. - Ulyanovsk: UIGU, 2009, 68 p.
98. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
99. Nafeev A.A. Legionellosis (legionnaires' disease): educational manual / Nafeev A.A., UISU, 2009, 48 p. <http://10.2.225.162>
100. Mertsalova, S. L. Epidemiology and prevention of helminthiasis: educational method. allowance / Mertsalova. - Ulyanovsk: UIGU, 2011. 36 p. – Access mode [/MegaPro/Download/MObject/69/merzalova1.pdf](http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf)

Ministry of Education and Science of the Russian Federation Ulyanovsk State University	Form a	
F - Work program for the discipline		

101. Nafeev A.A. Cholera. Educational manual / Nafeev A.A. UISU, 2009, 61 p.
102. Mertsalova, S. L. Disinfection and disinsection: educational method. allowance / Mertsalova SL. AA. Nafeev; UISU, IMEiFK. - Ulyanovsk: UIGU, 2011, 60 p. – Access mode <http://10.2.225.162/MegaPro/Download/MObject/70/merzalova.pdf>
103. Nafeev A.A. Mertsalova S.L.. Kiseleva L.M. Classification of infectious and parasitic diseases. Educational and methodological manual. UISU, 2013, 39 p.
104. Nafeev A.A. Highly contagious viral hemorrhagic fevers (Ebola. Lassa, Marburg) Educational manual / Nafeev A.A. UIGU 2015, 59

105. Electronic library systems:

106. 1.1. **IPRbooks** [Electronic resource]: electronic library system / IP Er Media group of companies. - Electron. Dan. - Saratov, [2023]. - Access mode: <http://www.iprbookshop.ru>.

107. 1.2. **YURAYT** [Electronic resource]: electronic library system / LLC Electronic Publishing House YURAYT. - Electron. Dan. – Moscow, [2023]. - Access mode: <https://www.biblio-online.ru>.

108. 1.3. **Student consultant** [Electronic resource]: electronic library system / LLC Politekhresurs. - Electron. Dan. – Moscow, [2023]. - Access mode: <http://www.studentlibrary.ru/pages/catalogue.html>.

109. 1.4. **Lan** [Electronic resource]: electronic library system / LLC EBS Lan. - Electron. Dan. – St. Petersburg, [2023]. - Access mode: <https://e.lanbook.com>.

110. 1.5. **Znanium.com** [Electronic resource]: electronic library system / Znanium LLC. - Electron. Dan. – Moscow, [2023]. - Access mode: <http://znanium.com>.

111. 2. **ConsultantPlus** [Electronic resource]: legal reference system. /Company “Consultant Plus” - Electron. Dan. - Moscow: ConsultantPlus, [2023].

112.

113. 3. **Database of periodicals** [Electronic resource]: electronic magazines / IVIS LLC. - Electron. Dan. - Moscow, [2023]. - Access mode: <https://dlib.eastview.com/browse/udb/12>.

114. 4. **National Electronic Library** [Electronic resource]: electronic library. - Electron. Dan. – Moscow, [2023]. - Access mode: <https://neb.rf>.

115. 5. **Electronic library of dissertations of the Russian State Library** [Electronic resource]: electronic library / Federal State Budgetary Institution of the Russian State Library. - Electron. Dan. – Moscow, [2023]. - Access mode: <https://dvs.rsl.ru>.


116. 6. Federal information and educational portals :

117. 6.1. Information system [Single window of access to educational resources](http://window.edu.ru). Access mode: <http://window.edu.ru>

118. 6.2. Federal portal [Russian education](http://www.edu.ru). Access mode: <http://www.edu.ru>

119. 7. Educational resources of UISU:

120. 7.1. UISU Electronic Library. Access mode: <http://lib.ulsu.ru/MegaPro/Web>


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121. 7.2. Educational portal of UISU. Access mode: <http://edu.ulsu.ru>

Leading specialist ___/___/___ Mazhukina S.N. ___/___/___  /_ 25.04. 2023_

Position of scientific library employee Full name signature date

**THE LIST OF CHANGES
to the work program "Epidemiology"
specialty 31.05.01 – Medical business**

№	The content of the change or a link to the attached text of the change	Full name of the head of the department implementing the discipline/ graduating department		Date
	Amendments to paragraph (a) Professional databases, information and reference systems of paragraph 11 "Educational, methodological and information support of the discipline"	Nesterov A.S.		

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13. EDUCATIONAL, METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

a) List of recommended literature

Basic literature:

10. Zueva L.I. Epidemiology. Textbook - St. Petersburg, 2008. 752


11. Briko N.I., Epidemiology : textbook / N.I. Briko, V.I. Pokrovsky - M. : GEOTAR-Media, 2017. - 368 p. - ISBN 978-5-9704-3665-3 - Text : electronic // EBS "Student Consultant" : [website]. - URL : <http://www.studentlibrary.ru/book/ISBN9785970436653.html>

12. Yushchuk N.D., Epidemiology of infectious diseases : a textbook / Yushchuk N.D. et al. - 3rd ed., reprint. and additional. - M. : GEOTAR-Media, 2016. - 496 p. - ISBN 978-5-9704-3776-6 - Text : electronic // EBS "Student Consultant" : [website]. - URL : <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

Additional literature:

13. Brazhnikov A.Yu., General epidemiology with the basics of evidence-based medicine: guidance for practical classes / Brazhnikov A.Yu., Briko N.I., Kiryanova E.V., Mindlina A.Ya., Pokrovsky V.I., Polibin R.V., Torchinsky N.V., I.P. Paltysheva. - M. : GEOTAR-Media, 2017. - 496 p. - ISBN 978-5-9704-4255-5 - Text : electronic // EBS "Student Consultant" : [website]. - URL : <http://www.studentlibrary.ru/book/ISBN9785970442555.html>

14. Chebyshev N.V., Infectious and parasitic diseases of developing countries / Edited by N.V.

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Chebyshev, S.G. Pak - M. : GEOTAR-Media, 2008. - ISBN 978-5-9704-0635-9 - Text : electronic // EBS "Student Consultant" : [website]. - URL : <http://www.studentlibrary.ru/book/ISBN9785970406359.html>

15. Pokrovsky V.I., A guide to practical classes in the epidemiology of infectious diseases : a textbook / Pokrovsky V.I., Briko N.I. - M. : GEOTAR-Media, 2005. - 800 p. - ISBN 5-9704-0038-6 - Text : electronic // EBS "Student consultant" : [website]. - URL : <http://www.studentlibrary.ru/book/ISBN5970400386.html>

Educational and methodical literature:

89. Mertsalova, S. L. Epidemiological diagnostics : Textbook / S. L. Mertsalova. Ulyanovsk : UISU, 2001, 59c.

90. Mertsalova, S. L. Quarantine infections : studies.- the method. the manual / S. L. Mertsalova, A. A. Nafeev. Ulyanovsk : UISU, 2004, 14 p

. 91. Mertsalova, S. L. Epidemiological surveillance of nosocomial infections : textbook.- the method. a manual for students, interns, wedge. residents, doctors / Mertsalova S. L., M. M. Kamaletdinov. - Ulyanovsk : UISU, 2008.29p. <http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf>

92. Merzalova, S. L. Specific prevention of infectious diseases : textbook.- the method. manual / Mertsalova S. L., Nafeev A.A. ; UISU, IMEiFK, Med. fac. - Ulyanovsk : UISU, 2009.68p.

93. Nafeev A.A. Cholera. Educational and methodological manual / Nafeev A.A. UISU, 2009, 61c.

94. Nafeev A.A. Legionellosis (legionnaires' disease): educational and methodological manual / Nafeev A.A., UISU, 2009, 48c.<http://10.2.225.162>

95. Mertsalova, S. L. Epidemiology and prevention of helminthiasis : textbook.- the method. the manual / rtsalova. - Ulyanovsk : UISU, 2011. 36c. – Access mode /MegaPro/Download/MObject/69/merzalova1.pdf

96. Nafeev A.A. Cholera. Educational and methodical manual / Nafeev A.A. UISU, 2009.61p.

97. Mertsalova, S. L. Disinfection and disinsection : studies.- the method. manual / Mertsalova SL. AA. Nafeev ; UISU, IMEiFK. - Ulyanovsk : UISU, 2011, 60s. – Access mode <http://10.2.225.162/MegaPro/Download/MObject/70/merzalova.pdf>

98. Nafeev A.A. Mertsalova S.L. Kiseleva L.M. Classification of infectious and parasitic diseases. Educational and methodical manual .UISU, 2013.39p

. 99. Nafeev A.A. Highly contagious viral hemorrhagic fevers (Ebola. Lassa, Marburg) Educational and methodical manual / Nafeev A.A. UISU 2015, 59

100. Professional databases, information and reference systems


102. 1. Electronic library systems:

103. 1.1. Digital educational resource IPRsmart : electronic library system : website / AI Pi Ar Media Company LLC. - Saratov, [2024]. – URL: <http://www.iprbookshop.ru> - Access mode: for registration. users. - Text : electronic.

104. 1.2. YURAYT educational platform : educational resource, electronic library : website / LLC Electronic publishing house "YURAYT". – Moscow, [2024]. - URL: <https://urait.ru> - Access mode: for registration. users. - Text : electronic.

105. 1.3. Database "Electronic library of a technical university (EBS "Student Consultant") : electronic library system : website / LLC "Politehresurs". – Moscow, [2024]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Access mode: for registration. the user. – Text : electronic.

106. 1.4. Doctor's consultant. Electronic medical library : database : website / LLC "Higher School of Organization and Management of Healthcare-Comprehensive medical consulting". – Moscow, [2024]. – URL: <https://www.rosmedlib.ru> - Access mode: for registration. users. – Text : electronic.

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107. 1.5. Large medical library : electronic library system : website / LLC "Bukap". – Tomsk, [2024]. – URL: <https://www.books-up.ru/ru/library/> . – Access mode: for the dawn. users. – Text : electronic.

108. 1.6. EBS Lan : electronic library system : website / EBS Lan LLC. – St. Petersburg, [2024]. – URL: <https://e.lanbook.com> - Access mode: for registration. the user. – Text : electronic.

109. 1.7. EBS Znanium.com : electronic library system : website / Znanium LLC. - Moscow, [2024]. - URL: <http://znanium.com> . – Access mode : for registration. users. - Text : electronic.

110. 2. ConsultantPlus [Electronic resource]: legal reference system. / Consultant Plus LLC - Electron. dan. - Moscow : ConsultantPlus, [2024].

111. 3. eLIBRARY.RU : scientific electronic library : website / Scientific Electronic Library LLC. – Moscow, [2024]. – URL: <http://elibrary.ru> - Access mode : for authorization. users. – Text : electronic

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115.

Lead engineer

Согласовано:





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 Должность сотрудника научной библиотеки ФИО подпись дата

**THE LIST OF CHANGES
to the work program "Epidemiology"
specialty 31.05.01 – Medical business**

№	The content of the change or a link to the attached text of the change	Full name of the head of the department implementing the discipline/ graduating department	Date

Ministry of Education and Science of the Russian Federation Ulyanovsk State University	Form a	
F - Work program for the discipline		

	Amendments to paragraph (a) Professional databases, information and reference systems of paragraph 11 "Educational, methodological and information support of the discipline"	Nesterov A.S.		
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