


Министерство науки и высшего образования РФ Ульяновский государственный университет	Форма	
Ф-Рабочая программа дисциплины		

APPROVED
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Institute Medicine, Ecology and Physical Culture
21 «06», 2021 Record No. 10/230

Chairman _____ V.I. Midlenko
«21» __ June __ 2021

EDUCATIONAL PLAN

Subject	Epidemiology
Faculty	Medical faculty of T.Z. Biktimirov
Department	Infectious and skin-venereal diseases
Course	VI

Specialty 31.05.01 - General Medicine
direction code (specialty), full name


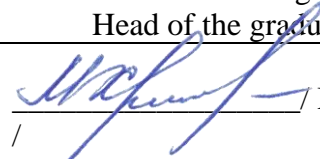
Form of education - full-time education


Date of introduction into the academic process at Ulyanovsk State University
«01» __ 09 __ 2021 г.

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

Inrormation about the authors

Initials	Abbreviation of the department	Degree, scientific rank
Mertsalova Svetlana Lazarevna	Infectious and skin-venereal diseases	Associate Professor, Ph.D.

Agreed Head of the Department, deveioping discipline	Agreed Head of the graduating Department
 / A.S. Nesterov / <i>Signature name</i> « <u>12</u> » __ <u>05</u> __ 20 <u>21</u> г.	 / M.A. Vize-Khripunova / <i>Signature name</i> « <u>12</u> » __ <u>05</u> __ 20 <u>21</u> г.

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1. GOALS AND OBJECTIVES OF MASTERING THE DISCIPLINE

The goals of mastering disciplines :

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

The tasks of mastering the discipline:

- mastering 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;
- teaching the student the basics of epidemiological research as universal methods that study any mass pathology in the human population;
- formation of the ability to use descriptive, analytical and experimental epidemiological studies to identify risk factors for the occurrence of infectious and non-communicable diseases with an assessment of the effectiveness of preventive and therapeutic measures;
- the formation of the ability to organize preventive and anti-epidemic work and practical skills to justify decisions on the implementation of preventive and anti-epidemic measures aimed at improving health.

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

2.1. Discipline B 1.B.41 "Epidemiology" refers to the professional cycle of the basic part of the educational program in the specialty 31.05.01 "Medicine".

2.2. To study the discipline, knowledge, skills and abilities are required that are formed by previous disciplines: philosophy, bioethics, jurisprudence, psychology and pedagogy, physics, mathematics, medical informatics, biochemistry, biology, normal physiology, 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.

2.3. The study of the discipline is necessary for the knowledge, skills and abilities formed by the subsequent disciplines of the professional cycle: faculty therapy, occupational diseases; phthisiology, polyclinic therapy; hospital therapy, endocrinology; evidence-based medicine; anesthesiology, resuscitation, intensive therapy; traumatology, orthopedics; organizational aspects of the activity of the local doctor.

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

No. / n	The code competencies	Content competencies (or parts of it)	As a result of studying the academic discipline learners should :		
			know	be able to	own
2	GPC 6	Preparedness to maintain a medical record	Maintaining a type of accounting and reporting medical documentation in medical organizations	Assess the state of public health based on the results of calculating indicators of medical statistics	Proper maintenance of medical records
	PC-3	Ability and readiness to carry out anti-epidemic measures, organize the protection of the population in the foci of hazardous radiation exposure, in case of deterioration of the radiation situation, natural disasters and other emergencies	Diseases associated with adverse air th - the influence 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 evaluate the health status of the population and the impact 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 indicators of medical statistics, proper documentation.
3	PC 4	Ability and willingness to use social and hygienic techniques for collecting and medical and statistical analysis of information on population health indicators	Indicators of children's health, factors that shape health; Fundamentals of the legislation of the Russian Federation on the protection of public health, the main regula-	Use methods of primary and secondary prevention based on evidence-based medicine; analyze and evaluate the health status of children and the impact of environmental factors on it.	Public health assessments; proper documentation.


			tory and technical documents .			
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4. GENERAL DISCIPLINE LABOR CAPACITY

4.1. Volume of discipline in credit units (total) 2 credits . _____

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

Type of study work	Number of hours (form of study - full-time)			
	Total according to the plan	Incl. by semester		
		9	ten	
one	2	3	four	
Contact work of students with the teacher	5	2	3	
Auditory lessons:	54	32	22	
Lectures	ten	ten		
Practical and seminar classes	44	22	22	
Laboratory work (laboratory workshop)				
Independent work	eighteen	9	9	
Current control (number and type: contact work, colloquium, abstract)	Tests, survey			

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Course work				
Types of intermediate certification (exam, test)	offset			
Total hours per discipline:	72	41	31	

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

Form of study - full-time

Title and sections and topics	Total	Types of training sessions					Form of current knowledge control
		Auditing classes			Zanya tiya in an interactive form	independent personal work	
		Lectures	Practical classes, seminars	Laboratory work, workshops			
one	2	3	four	5	6	7	eight
Section 1. General epidemiologists 25 6 14						5	
Topic 1. Epidemiology as a general medical science. The main directions of development of epidemiology. Epidemiological approach to the study of problems of pathology and health .	four	2	2				inter-view Te steer control
Topic 2 . epidemiological methods. epidemiological research. epidemiological diagnosis. Fundamentals of evidence-based medicine. Clinical Epidemiology	fifteen	2	eight			5	Prob- lem solving
Topic 3. General epidemiology of infectious diseases. The doctrine of the epidemic process.	6	2	four				Poll, tests

The main manifestations of the epidemic process.							
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Section 2. The content of anti-epidemic activities and the basics 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	four	6			2	Solution of situational problems, analysis of outbreaks inf. zab .
Topic 5. Disinfection, disinsection, deratization. Sterilization.	four		four				Tests
Topic 6. Immunoprophylaxis.	eight		6			2	Poll, tester . control
Topic 7. Organization and implementation of anti-epidemic measures in extreme conditions.	four		2			2	Poll, tests
Section 3. Private epidemiology of infectious and parasitic diseases.							
16 9 7							
Topic 8. Intestinal infections.	four		2			2	Poll, tests
Topic 9. Respiratory tract infections .	3		2			one	Poll, tests
Topic 10. Blood infections. Infections of the outer integument	four		2			2	Poll, tests
Topic 11. Zoonoses,	3		2			one	Poll,

sapronoses , helminthi-ases.							tests
Topic 12. Epidemiology and prevention of HCAI.	2		one			one	

one	2	3	four	5	6	7	
Section 4. Protection of the population in foci of especially dangerous infections in the event of deterioration of the radiation situation and natural disasters.							
Topic 13. Epidemiological surveillance in case of especially dangerous (quarantine) infections	3		3				Poll, tests
TOTAL	72	ten	44			eighteen	

5. CONTENT OF THE DISCIPLINE

Section 1. General epidemiology .

Topic 1. Epidemiology as a general medical science. The 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. The 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 public health. Epidemiology is a fundamental medical science related to the field of preventive medicine. Goals and objectives of epidemiology. Modern structure of epidemiology. 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 incidence of the population and its adverse outcomes. Causality in epidemiology

Causes and conditions that form the incidence. The mechanism of the formation of the incidence of the population. Manifestations of the incidence of the population (level, structure, distribution by territory, population groups and over time). The concept of risk of disease.

. Topic 2 epidemiological methods. epidemiological research.

epidemiological diagnosis. 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, randomized and non- randomized , controlled and uncontrolled epidemiological studies. Other characteristics of epidemiological studies. Descriptive-evaluative (descriptive) epidemiological studies: purpose, types, content. Stages of organization of 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

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and sample pooled

stati, average values (arithmetic, geometric, harmonic), extensive (specific gravity, mortality) and intensive (morbidity, prevalence, death -ness, disability) indicators, statistical comparison (parametric and non-parametric criteria), statistical distributions, time series (long-term and intra-annual dynamics of morbidity), 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. The use of analytical epidemiological methods in the clinic.

Experimental epidemiological studies. The purpose of epidemiological studies is to identify causal relationships in the "environment-health" system, to assess the potential and actual effectiveness and safety of preventive measures 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, prophylactic, anti-epidemic agents and measures. Clinical Trials. Principles of group formation (inclusion criteria, informed consent, randomization, blinding).

Phases of clinical trials. Features of conducting RCTs of medicines, vaccines and other immunobiological preparations.


Randomized field controlled trials, purpose of conducting. Evaluation of the potential effectiveness of diagnostic and screening tests. Definition of the concepts of diagnostic and screening test. The purpose of diagnostic (diagnosis and choice of therapy) and screening tests (early detection of cases and secondary prevention). Use of experimental studies to evaluate diagnostic and screening tests. Features of the organization of the study for the evaluation of diagnostic tests. The basic scheme of testing a diagnostic test.

The "gold standard" is the most accurate diagnostic test. Test 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. Evidence Pyramid. Epidemiological diagnostics - definition, concepts, sections. The concept of "epidemiological diagnosis", its content. Retrospective and operational epidemiological analysis.

Definition of the term "evidence-based medicine". History of formation, purpose, tasks. Basic principles of evidence-based medicine. Sources of evidence. General structure of a scientific report, 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 postrelational (document-oriented) databases. Electronic sources of evidence-based medical information. Content and characteristics of databases containing information on evidence-based medicine.

Strategies for generating a search query in various search engines and databases depending on the type of clinical question. Rubricators (MeSH). Strategies for finding randomized controlled trials, systematic reviews, diagnostic tests, etiological factors, disease prognosis, treatment outcomes, clinical guidelines, evidence-based prevention programs developed by centers of evidence-based medicine.

Systematic reviews. Requirements for the preparation of systematic reviews. Use of data from systematic reviews in practical work. 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 particular patient using data from epidemiological studies. The role of clinical epidemiology in the development of the scientific foundations of medical practice. Development of epidemiologically substantiated clinical guidelines and standards for diagnosis, development of the course of the disease, prognosis of outcomes, methods of treatment and prevention.

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

The content of the epidemiology of infectious diseases as a section of modern epidemiology. Epidemic process as a subject of epidemiology of infectious diseases. Definition of the concept of "epidemic process", Vklad 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. Parasitic system as the basis of the epidemic process. The concept of the "epidemic triangle". The law of epidemiology on 3 links of the epidemic process. Epidemic triad of factors: the source of the infectious agent, the mechanism of transmission, the susceptibility of the population.

Quantitative characteristics of the epidemic process: incidence, prevalence, mortality, lethality, susceptibility and others, levels of intensity of the epidemic process - sporadic and epidemic incidence.

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 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 parasite populations

that and the owner in the 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. Ways 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 epidemics -

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

Section 2. The content of anti-epidemic activities and the basics 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)

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

Activities aimed at a receptive collective (organism).

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

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Topic 5. Disinfection, disinsection, deratization. Sterilization.

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

Sterilization. Concept definition. The value of sterilization in the prevention of nosocomial infection. Regulatory documents regulating the organization and conduct of sterilization activities. Organization of pre-sterilization cleaning, 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 (CSO) of a medical organization - structure, content of work.

Topic 6. Immunoprophylaxis.

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

Legal and regulatory framework for immunoprophylaxis. National calendar of preventive vaccinations. Modern international, national and regional programs in the field of immunoprophylaxis. MIBP classification. Methods for obtaining, characteristics, distinctive features, advantages and disadvantages, immunological efficacy of MIBP.


Organization of vaccination work. Planning of preventive vaccinations. Accounting for the child population and adolescents. Maintaining vaccination records. storage conditions and transportation of MIBP. Supervision of the quality of MIBP transportation and storage. "Cold chain" - the definition of the concept, structure, the impact of violations in the cold chain on the effectiveness of immunization. Destruction of unused MIBP, syringes and needles. Requirements for the equipment of vaccination rooms. Immunoprophylaxis of certain infectious diseases in accordance with the National Immunization Schedule. Terms and schemes of administration and doses. Features of immunization of special population groups.

Classification of contraindications to immunization. Possible reactions and complications. Monitoring and investigation of post-vaccination complications. Evaluation of the quality and effectiveness of immunoprophylaxis. The role of the doctor in the organization of 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 service in the anti-epidemic system. Anti-epidemic work at the pediatric medical site. Organization and implementation of anti-epidemic measures in extreme situations. Classification of extreme situations. Immediate and remote sanitary-hygienic and epidemiological consequences of extreme situations. Medico-tactical characteristics of epidemic foci of infectious diseases in areas of extreme situations. Determination of the boundaries of the foci. Stages of anti-epidemic activities in organizing events in the event of an emergency situation (preparatory, in case of a threat of development, in the midst of an extreme situation, during the period of elimination of remote epidemiological consequences).

Sanitary and epidemiological intelligence - definition of the concept, tasks, organization. Information collection methods.

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Section 3. Private epidemiology of infectious and parasitic diseases.

Topic 8. Intestinal infections.

Intestinal anthroponoses. General characteristics of the group. Fecal-oral transmission mechanism, its stages. Transfer factors (primary, intermediate and final, main and secondary). transmission paths. Timing of contagiousness of sources of infectious agents . Characteristics and features of the manifestations of the epidemic process. Specific elements of the social and natural environment that affect the mechanism of development and manifestations of the epidemic process. Types of epidemic process in intestinal anthroponoses. The theory of etiological selectivity of the leading ways of transmission of shigellosis . epidemiological surveillance. Fundamentals 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. Fundamentals 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 outer integument.

blood infections. General epidemiological characteristics. Characteristic transmission mechanism of transmission, ways and factors of transmission. Features of the manifestations of the epidemic process. epidemiological surveillance. Prevention and anti-epidemic measures in epidemic foci. The concept of the hemocontact (contact) transmission mechanism and infections with this transmission mechanism. Ways of transmission (artificial and natural). Transmission factors for infectious agents
Infections of the outer 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. The definition of the concept of " natural focality of infections. Classification of natural focal infections. Mechanisms, ways and factors of transmission of pathogens from animals to humans. Concepts: reservoir, host, carrier, specific and non-specific 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.

Helminthiases and protozooses . General characteristics of the group. Classification. characteristics of pathogens. Mechanism of transmission of invasion. Ways of infection . Features of the epidemic process. Participation of the polyclinic service in the implementation of epidemiological surveillance of helminthiases and protozooses . Primary anti-epidemic measures in the outbreaks. Prevention.

Topic 12. Epidemiology and prevention of HCAI.

Healthcare Associated Infections (HAIs). Basic concepts of hospital epidemiology, their definitions. HAI classification. Mechanism, ways, 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 .

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Fundamentals of epidemiological surveillance for HCAI. Complex of preventive and anti-epidemic measures. The place of the medical service in the structure of epidemiological control (management) of the incidence of HAIs.

Section 4. Protection of the population in foci of especially dangerous infections in the event of deterioration of the radiation situation and natural disasters.

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

Plague, cholera, yellow fever, highly contagious viral hemorrhagic fevers. Epidemiology and characteristics of sources of infection, ways of human infection. The system of anti-epidemic measures aimed at protecting the country's territory from the importation of infection. Anti-epidemic measures taken in extreme situations when an infection is brought into the territory of the Russian Federation.


An integral part of the nationwide system for ensuring the sanitary and epidemiological well-being of the population of the Russian Federation - anitarian protection of the territory, aimed at preventing the importation into the country and the spread of infectious diseases that pose a danger to the population, as well as the prevention of the importation 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 - nyh , sanitary-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 check-points across the state border of the Russian Federation, which is carried out at 277 out of 448 points, in accordance with the International Health and Sanitary Rules.

6. PRACTICAL TOPICS

Section, topic	Questions to the topic

<p>Section 1. Epidemic process and infectious epidemiology.</p> <p>Topic 2 Epidemiological research methods. epidemiological diagnostics. Fundamentals of evidence-based medicine. Clinical Epidemiology</p> <p>Topic 3. The doctrine of the epidemic process. EP manifestations.</p>	<p>The concept of "epidemiological methods" of research, their use for the study of diseases of non-infectious origin. The main methodological approaches when using epidemiological methods: epidemiological observation, descriptive-evaluative and analytical methods, experimental research methods. Modern ideas about causality, the definition of the concepts of "cause", "conditions", "risk factors", causation. Epidemiological diagnostics, goals and objectives. Epidemiological analysis as the main method of epidemiological diagnostics. Retrospective and operational analysis, goals and objectives. Epidemiological research is the basis of evidence-based medicine. Evidence Pyramid. Standards in the diagnosis, treatment, examination of the patient.</p> <p>Parasitic system as the basis of the epidemic process. The concept of the "epidemic triangle". The law of epidemiology on 3 links of the epidemic process. Epidemic triad of factors: the source of the infectious agent, the mechanism of transmission, the susceptibility of the population. Quantitative characteristics of the epidemic process: incidence, prevalence, mortality, lethality, susceptibility and others, levels of intensity of the epidemic process - sporadic and epidemic incidence. Definitions and characteristics of epidemic morbidity - outbreaks, epidemics, pandemics.</p>
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<p>Section 2. Content of anti-epidemic activities</p> <p>Topic 4. Organization of anti-epidemic activities. Preventive and anti-epidemic measures. epidemiological surveillance.</p> <p>Topic 5. Disinfection, disinsection, deratization. Sterilization.</p> <p>Topic 6. Immunoprevention</p> <p>Theme 7 Organization and implementation of anti-epidemic measures in the emergency small conditions</p>	<p>.</p> <p>Concept definition. Grouping of measures according to the focus on 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. The structure of the sanitary and epidemiological service of the Russian Federation. The role of medical institutions in the system of epidemiological surveillance and the functions performed by healthcare facilities.</p> <p>The place of disinfection in the system of anti-epidemic measures. Types of disinfection: preventive, focal (current and final). Methods of disinfection: mechanical, physical, chemical, biological. Sterilization, sterilization stages. Pre-sterilization treatment, methods and means of sterilization, quality control of sterilization. The place of pest control in the system of anti-epidemic measures for various transmissible infections. Types and methods of pest control, fixed assets. Deratization, a place in the system of anti-epidemic measures for zoonoses, the source of which are rodents</p> <p>The place of immunoprophylaxis in the system of anti-epidemic measures. A group of infectious diseases controlled by means of immunoprophylaxis. Quality and efficiency of means of planned and emergency prevention. Methods for assessing the quality and effectiveness of vaccinations in controlled and uncontrolled epidemiological experience. Immunoprophylaxis is planned and according to indications. Contraindications to vaccinations, post-vaccination complications. Characteristics of individual immunobiological preparations</p> <p>Definition of the concept of "anti-epidemic system". Its structure. The place of medical service in the anti-epidemic system. Anti-epidemic work in the medical area. Organization and implementation of anti-epidemic measures in extreme situations. Classification of extreme situations.</p>
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Section 3. Private epidemiology

Topic 8. Intestinal infections

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. The main directions of the epidemiological surveillance Anti-epidemic measures Importance of measures aimed at breaking the transmission mechanism

Topic 9.
Epidemiology and prevention of infectious diseases with aspiration mechanism of transmission.

The most common diseases (flu, acute respiratory infections, chicken pox, measles, whooping cough, mumps, rubella, streptococcal infection, tuberculosis and other infections relevant to specific areas). General characteristics of the group. Manifestations of the epidemic process. Anti-epidemic measures. Importance of immunoprophylaxis.

Topic 10.
Epidemiological surveillance in infections with contact and transmissible transmission mechanism. Infections of the outer integument


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, transmission routes. At-risk groups. Importance of the parenteral route of transmission. The role of the social factor in the spread of these nosofoms . Epidemiological surveillance at the present stage. Epidemiological surveillance in tick-borne infections.

Topic 11.
Zoonoses, sapronoses
Parasitic diseases

Zoonoses. General characteristics of the group. Epidemiological classification based on the ecological proximity of pathogens. The definition of the concept of " natural focality of infections. Classification of natural focal infections. Mechanisms, ways 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 . Helminthiasis -epidemiology and prevention.

Topic 12. Epidemiology and prevention of HCAI

Healthcare Associated Infections (HAIs). Basic concepts of hospital epidemiology, their definitions. HAI classification. Mechanism, ways, transmission factors. Features of the manifestation of the epidemic process in medical organizations of obstetric and pediatric profile. Causes and conditions that determine the manifestations of the epidemic process. Preventive and anti-epidemic measures.
Fundamentals of epidemiological surveillance for HCAI. Complex of preventive and anti-epidemic measures. The place of the medical service in the structure of epidemiological control (management) of the incidence of HAIs.

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<p>Section 4. Protection of the population in foci of especially dangerous infections in the event of deterioration of the radiation situation and natural disasters</p> <p>Topic 13. Epidemiological surveillance in especially 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 nosological forms into one group. Sanitary protection of the territory of the Russian Federation from the importation and spread of quarantine infections. Primary anti-epidemic measures in identifying a patient (suspicious) according to these nosological forms . Activities carried out under quarantine and in case of an emergency epidemiological situation .</p>
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7. LABORATORY WORKS - GEF+3
(this type of work is not provided for by UE)


8. TOPICS OF ABOUT

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 in viral hepatitis
4. The content of preventive and anti-epidemic measures.
5. Means of specific prevention of viral hepatitis B and evaluation of the effectiveness of vaccination .

Tuberculosis

1. Relevance, medical and socio-economic significance of tuberculosis.
2. The prevalence of infection, characteristics of sources of infection and transmission routes, modern manifestations of the epidemic process.
3. Basic provisions, sections and features of the epidemiological surveillance of tuberculosis. and methods of prevention of tuberculosis.
5. Characteristics and effectiveness of vaccination for tuberculosis.

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Helminthiases

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

Healthcare Associated Infections (HAIs)


1. General characteristics of the epidemic process of HCAI.
2. 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 in 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. The main sources and routes of transmission in streptococcosis .
4. Stages of epidemiological surveillance of streptococcosis .

9.LIST OF QUESTIONS FOR OFFSET

1. Main trends in the development of epidemiology.
2. Epidemiological approach to the study of problems of pathology and health .
3. Epidemiological methods.
4. Epidemiological studies.
5. Epidemiological diagnostics.
6. Fundamentals 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 term "epidemic process".
9. Epidemic triad of factors: the source of the infectious agent, the mechanism of transmission, the susceptibility of the population
10. Quantitative characteristics of the epidemic process: incidence, prevalence, mortality, lethality, prevalence and others, levels of intensity of the epidemic process - sporadic and epidemic incidence
11. Reservoir and source of the infectious agent. Definitions of concepts. Reservoir and sources of pathogens of anthroponoses, zoonoses, sapronoses .
12. Transmission mechanisms. The basic law of the transmission mechanism. Ways 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 mechanism of transmission (on the way and factors of transmission).

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18. Activities aimed at a susceptible team (organism)
19. Disinfection. Concept definition. The value 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 measures in various (preschool, school, medical) institutions.
- 22 Sterilization. Concept definition. The value of sterilization in the prevention of nosocomial infection.
- 23.. Methods (steam, air, chemical, using ionizing radiation, combined, etc.) and means of sterilization.
24. Immunoprophylaxis of infectious diseases. Immunological bases of vaccination. Susceptibility to infectious diseases.
25. Organization of vaccination work. Immunization planning
26. " Cold chain" - the definition of the concept, structure, the impact of violations 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 Immunization Schedule.
30. Classification of contraindications to immunization. Possible reactions and complications. Monitoring and investigation of post-vaccination complications.
31. Evaluation of 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. Fundamentals of prevention and anti-epidemic measures in epidemic foci of typhoid fever.
35. EN in viral hepatitis A.
36. EN in rotavirus infections.
37. Respiratory tract infections (aerosol anthroponoses). General characteristics of the group. Stages of the transmission mechanism.
38. EN in measles, diphtheria, meningococcal infections.
39. Blood infections. epidemiological characteristics.
- 40 Characteristics of the transmission mechanism of transmission, ways and factors of transmission. 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 .
42. The concept of blood -contact (contact) transmission mechanism and infections with this transmission mechanism. EN in viral hepatitis B , C
43. Infections of the outer integument. General epidemiological characteristics. Epidemiological surveillance and prevention.
44. Zoonoses. General characteristics of the group. Epidemiological classification based on the ecological proximity of pathogens. The definition of the concept of " natural focality of infections.
45. Sapronoses. General characteristics of groups. Classification. The role of natural and social conditions in the formation of the incidence of sapronoses .
46. Helminthiases and protozoonoses . General characteristics of the group. Classification. characteristics of pathogens. Mechanism of transmission of invasion. Ways of infection. Features of the epidemic process.
47. Infections associated with the provision of medical care (HCAI). Basic concepts of hospital epidemiology, their definitions. HAI classification. Mechanism, ways, transmission factors.
48. Features of the manifestation of the epidemic process in medical organizations of various profiles .

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Causes and conditions that determine the manifestations of the epidemic process. Preventive and anti-epidemic measures.


49. Fundamentals of epidemiological surveillance for HCAI.

50. Plagucholera, yellow fever, highly contagious viral hemorrhagic fevers. Epidemiology and characteristics of sources of infection, ways of human infection.

51 The system of anti-epidemic measures aimed at protecting the country's territory from the introduction of infection. Anti-epidemic measures taken during the importation of especially dangerous infections into the territory of the Russian Federation.

10. INDEPENDENT WORK OF STUDENTS

No. n / n	Name of sections and topics	Type of independent work	Volume in hours	form of control
one.	Theme #9 Epidemiology and prevention of tuberculosis	Elaboration of educational literature, solving problems of organizing tuberculosis surveillance , studying instructive and methodological material on surveillance , writing essays.	eight	Current control at the practical lesson, questions for the test. Abstract.
2.	Theme №9 Epidemiology of streptococcosis	The study of literary sources on this topic, the solution of situational problems and tests, the preparation of abstracts on this topic, followed by a discussion.	5	Questions for offset. Current control at a practical lesson. abstract
3	Topic №10 Epidemiology and prevention of viral hepatitis B , C , D.	Elaboration of literature on this topic, solving problems and tests, preparing essays for a test lesson.	13	Current control at the practical lesson, questions for the test. Abstract.
four	Topic #11 Epidemiology and prevention of helminthiases	. The study of literary sources on the topic, problem solving and tests . preparation of abstracts	2	Current control at the practical lesson, questions for the test. abstract
5	Topic #12 Epidemiological surveillance of healthcare-associated infections (HCAIs)	Independent study of literary sources for the preparation of writing an essay . for advice on surveillance of HCAI.	eight	Current control at a practical lesson. abstract

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11. EDUCATIONAL AND METHODOLOGICAL SUPPORT OF THE DISCIPLINE

Literature.

a) main:

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

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 Advisor": [website]. - URL : <http://www.studentlibrary.ru/book/ISBN9785970436653.html>

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 Advisor": [website]. - URL : <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

additional literature:

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

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 Advisor": [website]. - URL : <http://www.studentlibrary.ru/book/ISBN9785970406359.html>

Pokrovsky V.I., Guide to practical exercises 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 Advisor": [website]. - URL : <http://www.studentlibrary.ru/book/ISBN5970400386.html>

educational literature

Mertsalova , SL Epidemiological diagnostics : Textbook . special / S. L. Mertsalova . - Ulyanovsk : UIGU , 2001, 59p.

Mertsalova , SL Quarantine infections : textbook .- method . allowance / S. L. Mertsalova , A. A. Nafeev . - Ulyanovsk : UIGU , 2004, 14 p.

Mertsalova , S. L. Epidemiological surveillance of nosocomial infections: study guide . allowance for students, interns, wedge. residents, doctors / Mertsalova S L., M. M. Kamaletdinov . - Ulyanovsk : UIGU , 2008.29s. <http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf>

Mertsalova , SL Specific prevention of infectious diseases : textbook .- method . allowance / Mertsalova S. L., Nafeev A.A. ; UIGU , IMEiFK , Med. fak . - Ulyanovsk : UIGU , 2009.68s.

5. Nafeev A.A. Cholera. Teaching aid / Nafeev A.A. UIGU , 2009, 61s.

6. Nafeev A.A. legionellosis (legionnaires' disease): teaching aid / Nafeev A.A., UIGU , 2009, 48s. <http://10.2.225.162>

6. Mertsalova, S. L. Epidemiology and prevention of helminth infections: textbook .- method . allowance / rtsalova . - Ulyanovsk : UIGU , 2011. 36s. – Access Mode / [MegaPro / Download / MObject /69/merzalova1.pdf](http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf)


8. Nafeev A.A. Cholera. Teaching aid / Nafeev A.A. UIGU , 2009.61 p .

9Mertsalova, S.L. Disinfection and disinfestation: textbook .- method . allowance / Mertsalova SL. AA. Nafeev ; UIGU , IMEiFK . - Ulyanovsk : UIGU , 2011, 60s. – 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. Teaching aid . UIGU , 2013.39s.

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

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 Agreed: Должность сотрудника научной библиотеки / ФИО / подпись / дата

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 Position of the scientific library employee Full name signature date

Position of the scientific library employee Full name signature date

b) Software

in) Professional databases, information and reference systems

1. Electronic library systems:

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

1.2. **URAIT** [Electronic resource]: electronic library system / OOO Electronic publishing house URAIT. - Electron . d an. – Moscow, [2019]. - Access mode: <https://www.biblio-online.ru> .

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

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

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

2. **ConsultantPlus** [Electronic resource]: reference legal system. /Company "Consultant Plus" - Electron . d an. - Moscow : ConsultantPlus , [2019].

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

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

5. **Electronic library of dissertations of the RSL** [Electronic resource]: electronic library / FGBU RSL. - Electron . d an. – Moscow, [2019]. - Access mode: <https://dvs.rsl.ru> .

6. Federal information and educational portals :

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 USU :

7.1. Electronic library of USU . Access Mode : <http://lib.ulsu.ru/MegaPro/Web>


7.2. Educational portal of USU . Access Mode : <http://edu.ulsu.ru>

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Техкин / Торочанина ЮС / /
 Должность сотрудника УИТИГ / ФИО / подпись / дата

12. LOGISTICS AND TECHNICAL SUPPORT OF THE DISCIPLINE


For conducting classes, a lecture audience and audiences for seminars (2) are used, equipped with the necessary furniture and technical teaching aids: teaching boards , study tables, slides, multimedia presentation of lectures, bacterial preparations (vaccines, diagnosticums , sera, immunoglobulins).

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In the learning process, situational tasks , **tests** , role-playing games are used to identify the level of knowledge of students.

13. SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES

For persons with impaired vision, hearing and musculoskeletal system, printed slides in enlarged type, audio lectures and seminars, individual work with the student: consultations and assignments are possible.

Developer Mertsalova , A.  fessor of the Department of Infectious and Skin venereal diseases

Update 2022

EDUCATIONAL 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 Advisor": [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 Advisor": [website]. - URL: [http://www.studentli-](http://www.studentlibrary.ru/book/ISBN9785970437766.html)
[brary.ru/book/ISBN9785970437766.html](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 exercises / Brazhnikov A.Yu., Briko N.I., Kiryanova E.V., Mindlina A.Ya., Pokrovsky V.I. , Polibin R.V., Torchinsky N.V., I.P. Paltyshev. - M. : GEOTAR-Media, 2017. - 496 p. - ISBN 978-5-9704-4255-5 - Text: electronic // EBS "Student Advisor": [website]. - URL: [http://www.stu-](http://www.studentlibrary.ru/book/ISBN9785970442555.html)
[dentlibrary.ru/book/ISBN9785970442555.html](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 //

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- 1.4. Physician's consultant. Electronic medical library : database : site / LLC Higher School of Organization and Management of Health Care - Integrated Medical Consulting – Moscow, [2022]. – URL: <https://www.rosmedlib.ru>. – Access mode: for registered users. – Text : electronic.
- 1.5. Large medical library: electronic library system: website / Bucap LLC. – Tomsk, [2022]. – URL: <https://www.books-up.ru/ru/library/>. – Access mode: for registered users. – Text : electronic.
- 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.
- 1.7. EBS Znanium.com: electronic library system: website / Znanium LLC. - Moscow, [2022]. - URL: <http://znanium.com>. – Access mode : for registered users. - Text : electronic.
- 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": an electronic educational resource for foreign students: site / IP Company "IP Ar Media" LLC. – Saratov, [2022]. – URL: <https://ros-edu.ru>. – Access mode: for registered users. – Text : electronic.
2. ConsultantPlus [Electronic resource]: reference legal system. / Consultant Plus LLC - Electron. Dan. - Moscow: ConsultantPlus, [2022].
3. Databases of periodicals:
- 3.1. EastView Periodicals Database: Electronic Journals / 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: site / FGBU RSL. – Moscow, [2022]. – URL: <https://neb.rf>. – Access mode : for users of the scientific library. – 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 : federal portal . – URL: <http://window.edu.ru/>. – Text : electronic.
- 6.2. Russian education: federal portal / founder of FGAEU "FITsTO". – URL: <http://www.edu.ru>. – Text : electronic.
7. Educational resources of USU:
- 7.1. Electronic library system of UISU: module "Electronic library" ABIS Mega-PRO / Data Express LLC. – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Access mode : for users of the scientific library. – Text : electronic.

Agreed:

Заместитель ректора / Ключкова Д.А. / [Подпись] / 22.04.2022
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12. EDUCATIONAL AND INFORMATION SUPPORT OF THE 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 Advisor": [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 Advisor": [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 exercises / Brazhnikov A.Yu., Briko N.I., Kiryanova E.V., Mindlina A.Ya., Pokrovsky V.I. , Polibin R.V., Torchinsky N.V., I.P. Paltyshev. - M. : GEOTAR-Media, 2017. - 496 p. - ISBN 978-5-9704-4255-5 - Text: electronic // EBS "Student Advisor": [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 exercises in 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 Advisor": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN5970400386.html>

Educational and methodical literature:

72. Mertsalova, S. L. Epidemiological diagnostics: Proc. allowance / S. L. Mertsalova. - Ulyanovsk: UIGU, 2001, 59s.

73. Mertsalova, S. L. Quarantine infections: textbook. allowance / S. L. Mertsalova, A. A. Nafeev. - Ulyanovsk: UIGU, 2004, 14 p.

74. Mertsalova, S. L. Epidemiological surveillance of nosocomial infections: study guide. allowance for students, interns, wedge. residents, doctors / Mertsalova S L., M. M. Kamaletdinov. - Ulyanovsk: UIGU, 2008.29s. <http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf>

75. Mertsalova, S. L. Specific prevention of infectious diseases: study guide. allowance / Mertsalova S. L., Nafeev A.A. ; UIGU, IMEiFK, Med. fak. - Ulyanovsk: UIGU, 2009.68s.

76. Nafeev A.A. Cholera. Teaching aid / Nafeev A.A. UIGU, 2009, 61s.

77. Nafeev A.A. Legionellosis (legionnaires' disease): teaching aid / Nafeev A.A., UIGU, 2009, 48s. <http://10.2.225.162>


78. Mertsalova, S. L. Epidemiology and prevention of helminthiasis: textbook.-method. allowance / Mertsalova S. L. - Ulyanovsk: UIGU, 2011. 36s. – Access mode [/MegaPro/Download/MObject/69/merzalova1.pdf](http://10.2.225.162/MegaPro/Download/MObject/69/merzalova1.pdf)

79. Nafeev A.A. Cholera. Teaching aid / Nafeev A.A. UIGU, 2009, 61s.

80. Mertsalova, S. L. Disinfection and disinfestation: textbook.-method. allowance / Mertsalova S. L., Nafeev A.A. Nafeev; UIGU, IMEiFK. - Ulyanovsk: UIGU, 2011, 60s. – Access mode <http://10.2.225.162/MegaPro/Download/MObject/70/merzalova.pdf>

81. Nafeev A.A. Mertsalova S.L., Kiseleva L.M. Classification of infectious and parasitic diseases. Educational and methodical manual. UIGU, 2013, 39 p.

82. Nafeev A.A. Highly contagious viral hemorrhagic fevers (Ebola, Lassa, Marburg) Teaching aid / Nafeev A.A. UIGU 2015, 59

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83. Electronic library systems:

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

85.1.2. URAIT [Electronic resource]: electronic library system / OOO Electronic publishing house URAIT. - Electron. Dan. – Moscow, [2023]. - Access mode: <https://www.biblio-online.ru>.

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

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

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

89. 2. ConsultantPlus [Electronic resource]: reference legal system. /Company "Consultant Plus" - Electron. Dan. - Moscow: ConsultantPlus, [2023].

90.

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

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

93. 5. Electronic library of dissertations of the RSL [Electronic resource]: electronic library / FGBU RSL. - Electron. Dan. – Moscow, [2023]. - Access mode: <https://dvs.rsl.ru>.

94. 6. Federal information and educational portals:

95.6.1. Information system Single window of access to educational resources. Access mode: <http://window.edu.ru>

96.6.2. Federal portal Russian education. Access mode: <http://www.edu.ru>

97. 7. Educational resources of USU:

98.7.1. Electronic library of USU. Access mode: <http://lib.ulsu.ru/MegaPro/Web>

99.7.2. Educational portal of USU. Access mode: <http://edu.ulsu.ru>


Lead Specialist _____ / _____ Mazhukina S.N. / _____
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**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" with the design of App 1	Nesterov A.S.		2023

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Update 2024

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. 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, 59с.

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, 61с.

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


95. Mertsalova, S. L. Epidemiology and prevention of helminthiasis : textbook.- the method. the manual / Mertsalova. - Ulyanovsk : UISU, 2011. 36с. – 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 S.L. A.A. 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

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Ф-Рабочая программа дисциплины		

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.

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

112. 4. Federal State Information System "National Electronic Library" : electronic library : website / FSBI RGB. – Moscow, [2024]. – URL: <https://нэб.рф> – Access mode: for users of the scientific library. – Text : electronic.

113. 5. Russian education : federal portal / founder of FGAU "FITZTO". – URL: <http://www.edu.ru> - Text : electronic.

114. 6. UISU electronic library system : the module "Electronic library" of ABIS Mega-PRO / LLC "Date Express". – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Access mode : for users of the scientific library. – Text : electronic.

115.

Lead engineer

Согласовано:



Shchurenko Yu.V.



Специалист ведущий / Мажукина С.Н. / 16.04.2024 г.


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

Министерство науки и высшего образования РФ Ульяновский государственный университет	Форма	
Ф-Рабочая программа дисциплины		

№	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.	