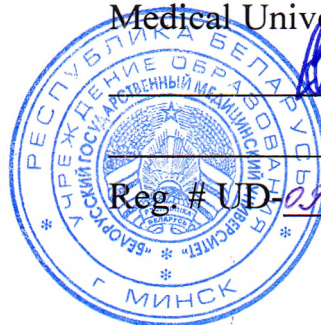


MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
«BELARUSIAN STATE MEDICAL UNIVERSITY»

Контрольный
экземпляр

APPROVED

by Rector of the Educational
Institution «Belarusian State
Medical University»



[Signature] S.P.Rubnikovich

26.06.2025

Reg. # UD-0911-01-36/2524edu.

EPIDEMIOLOGY

**Curriculum of the educational institution
in the academic discipline for the specialty**

7-07-0911-01 «General Medicine»

Curriculum is based on the educational program «General medicine», approved 26.06.2025, registration # УД-091-01-36/2526/уч.; on the educational plan in the specialty 1-79 01 01 «General Medicine», approved 16.04.2025, registration # 7-07-0911-01/2526/mf.

COMPILERS:

I.V.Fedorova, Associate Professor of the Department of Epidemiology of the Educational Institution «Belarusian State Medical University», PhD, Associate Professor;

I.N.Valchuk, Head of the Department of Epidemiology of the Educational Institution «Belarusian State Medical University», PhD, Associate Professor

RECOMMENDED FOR APPROVAL:

by the Department of Epidemiology of the Educational Institution «Belarusian State Medical University»
(protocol # 18 of 05.05.2025);

by the Scientific and Methodological Council of the Educational Institution «Belarusian State Medical University»
(protocol # 10 of 26.06.2025)

EXPLANATORY NOTE

«Epidemiology» is an academic discipline of the Preventive Medicine Module that contains systematic scientific knowledge about the epidemic process, methods of its study, anti-epidemic measures and their organization in order to prevent infectious diseases, reduce the incidence of infectious diseases in the population and eliminate individual infections.

The aim of the discipline «Epidemiology» is the formation of extended professional competence to solve the tasks of professional activity in the field of medical prevention of infectious diseases; organization and implementation of sanitary and anti-epidemic measures for infectious diseases.

The objectives of the discipline «Epidemiology» are to form students' scientific knowledge about:

the causes, conditions, mechanisms of development and manifestation of the epidemic process of infectious diseases in the territory of the Republic of Belarus;

organization and implementation of immunoprophylaxis of infectious diseases;

methods of medical prevention of infectious diseases with various transmission mechanisms;

skills and abilities necessary for:

ensuring epidemiological safety in the provision of medical care;

organization and implementation of preventive and sanitary anti-epidemic measures for infectious diseases;

conducting immunoprophylaxis to the population of the Republic of Belarus.

Relations to other educational disciplines

The knowledge, skills and abilities acquired during the study of the discipline «Epidemiology» are necessary for the successful study of the academic disciplines «Infectious Diseases», «Pediatric Infectious Diseases».

A student who has mastered the content of the teaching material of the discipline should have the following extended professional competence: use knowledge about the epidemic process patterns and methods of their study, immunoprophylaxis of infectious diseases, principles of epidemiological examination of infectious diseases focal areas, organize preventive, sanitary and anti-epidemic measures for intestinal, aerosol infections and infections with a predominantly parenteral mechanism.

As a result of studying the discipline «Epidemiology» the student should know:

basic concepts of epidemiology: epidemic process, source of infection, transmission mechanism, transmission routes, transmission factors, epidemic focus;

modern doctrine about the epidemic process;

the main groups of anti-epidemic measures;

the main preventive and anti-epidemic measures for certain infectious diseases;

general characteristics of the main groups of disinfectants, methods and types of disinfection and sterilization;

fundamentals of immunoprophylaxis of infectious diseases;

fundamentals of epidemiology of infections related to medical care;

factors, mechanisms of development and manifestations of the epidemic process, the main preventive and anti-epidemic measures for certain intestinal, aerosol infections, infections with transmissible transmission mechanism and parenteral mechanism of infection;

be able to:

epidemiological substantiate programs for the prevention of population morbidity with infectious and non-communicable diseases;

to organize and carry out preventive vaccinations using various immunobiological drugs and regimens;

to justify and organize disinfection and sterilization measures depending on the epidemiological characteristics of the infection;

to carry out primary anti-epidemic and preventive measures for various infectious diseases;

apply techniques for the prevention of nosocomial infections, methods for the prevention of infectious diseases with various transmission mechanisms;

master:

methods of prevention of topical infectious diseases;

basic methods of immunoprophylaxis of infectious diseases;

skills of immunoprophylaxis of infectious diseases;

methods of disinfection and sterilization of medical devices.

Total number of hours for the study of the discipline is 108 academic hours, of which 48 classroom hours and 60 hours of student independent work. Classroom hours according to the types of studies: lectures – 12 hours (including 3 hours of supervised student independent work (SSIW)), practical classes –36 hours.

Intermediate assessment is carried out according to the syllabus of the specialty in the form of a credit (5 semester).

Form of higher education – full-time.

ALLOCATION OF ACADEMIC TIME ACCORDING TO SEMESTERS OF STUDY

Code, name of the specialty	Semester	Total number of academic hours	Number of classroom hours				Out-of-class self-studies	Form of intermediate assessment
			Number of classroom hours	including				
				class lectures	SSIW	practicals		
7-07-0911-01 «General Medicine»	5	108	48	9	3	36	60	Credit

THEMATIC PLAN

Section (topic) name	Number of class hours	
	lectures (incl. SSIW)	practical
1. General epidemiology	1,5	6
1.1. Epidemiology as a science and academic discipline, its place in the structure of medical sciences	1,5	-
1.2. Modern doctrine about the epidemic process		-
1.3. Basic concepts of epidemiology	-	2
1.4. Sanitary and antiepidemic measures and antiepidemic means	-	2
1.5. Organization of work on the medical prevention of infectious diseases and the implementation of sanitary and anti-epidemic measures in outpatient clinics and hospital organizations	-	2
2. Immunoprophylaxis of infectious diseases	3	18
2.1. Fundamentals of immunoprophylaxis of infectious diseases	1,5	-
2.2. Organizational and methodological issues of immunoprophylaxis of infectious diseases	1,5	6
2.3. Immunoprophylaxis of infectious diseases included in the National calendar of preventive vaccinations	-	6
2.4. Immunoprophylaxis of infectious diseases according to epidemic indications	-	6
3. Special epidemiology	3	8
3.1. Intestinal infections	-	2
3.2. Aerosol infections	-	2
3.3. Infections with a predominantly parenteral transmission mechanism	3	2
3.4. Biosafety. International health regulations. Sanitary protection of the territory. Infections with a transmissible transmission mechanism	-	2
4. Hospital epidemiology	3	4
4.1. Infections associated with the provision of medical care	3	2
4.2. Infection control and medical prevention of infections associated with the provision of medical care	-	2
5. Clinical epidemiology	1,5	-
Total hours	12	36

CONTENT OF THE EDUCATIONAL DISCIPLINE

1. General epidemiology

1.1. Epidemiology as a science and academic discipline, its place in the structure of medical sciences

Infectious diseases as an object of epidemiology. The epidemic process as a subject of epidemiology. Definition of the concept of «epidemiology». The structure of epidemiology as the science of the epidemic process. General epidemiology: subject and method, the doctrine of the epidemic process, epidemiological diagnostics, sanitary and anti-epidemic measures, organization of sanitary and epidemiological welfare of the population. Special epidemiology. Epidemiology in the structure of medical sciences.

1.2. Modern doctrine about the epidemic process

Definition of the concept of «epidemic process». Factors of the epidemic process. The mechanism of development of the epidemic process. Theory of self-regulation of parasitic systems. Theory of the transmission mechanism. Manifestations of the epidemic process on a qualitative and quantitative basis.

1.3. Basic concepts of epidemiology

Sources of infection: categories and epidemiological significance. Definition of the concept of «transmission mechanism». Factors and transmission routes. Types of transmission mechanisms: aerosol, fecal-oral, contact, transmissive, vertical. Specificity of transmission mechanisms. Susceptibility and resistance and their importance in the development of the epidemic process. Epidemic outbreak: definition of the concept, characteristics (size, time of existence).

1.4. Sanitary and anti-epidemic measures and anti-epidemic means

Definition of the concept of «sanitary and anti-epidemic measures». Classification of sanitary and anti-epidemic measures: measures aimed at the source of infection; measures aimed at the mechanism of transmission; measures aimed at the susceptibility of the human body. Criteria for the selection of sanitary and anti-epidemic measures. Definition of the concept of «anti-epidemic means». The main groups of anti-epidemic means (antibiotics, vaccines, immune serums, immunoglobulins, bacteriophages, disinfectants, raticides, insecticides).

1.5. Organization of work on the medical prevention of infectious diseases and the implementation of sanitary and anti-epidemic measures in outpatient clinics and hospital organizations

The functions of outpatient clinics and hospital organizations in the medical prevention of infectious diseases: identification of patients with infectious diseases, accounting and registration, the procedure for transmitting information (emergency notices) to institutions carrying out state sanitary supervision, isolation of the sick, treatment, examination and medical supervision of persons who were in contact, admission of sick people to teams, dispensary monitoring, organization of current and final disinfection, laboratory examination, immunoprophylaxis, readiness to carry out sanitary and anti-epidemic measures in case of detection of patients with suspected infectious diseases of international importance, participation in the prevention of helminthiasis, hygienic education of the population. Prevention of infections associated with the provision of medical care

Sanitary and anti-epidemic requirements for healthcare organizations. General characteristics of methods and means of disinfection and deratization.

2. Immunoprophylaxis of infectious diseases

2.1. Fundamentals of immunoprophylaxis of infectious diseases

The role and place of immunoprophylaxis in the system of prevention of infectious diseases. Stages of the formation of immunoprophylaxis. The main groups of immunobiological drugs. Definition of the concepts of «immunity», «immune response of the body». Indications and contraindications for vaccinations. Adverse reactions after preventive vaccinations and their prevention. The Expanded Immunization program of the World Health Organization. The legal basis of immunoprophylaxis. Prospects for the development of immunoprophylaxis of infectious diseases.

2.2. Organizational and methodological issues of immunoprophylaxis of infectious diseases

General requirements for the organization of vaccinations. Technical regulatory legal acts on immunoprophylaxis. National calendar of preventive vaccinations. Preventive vaccinations for epidemic indications. Planning preventive vaccinations. Requirements for the organization's vaccination rooms and equipment. Requirements for transportation and storage of immunobiological medicines. Requirements for preventive vaccinations. The concept of adverse reactions to preventive vaccinations: types, detection, registration, investigation. Assessment of the quality and effectiveness of immunoprophylaxis. Primary medical documentation on immunoprophylaxis.

2.3. Immunoprophylaxis of infectious diseases included in the National calendar of preventive vaccinations

Immunoprophylaxis of hepatitis B virus, tuberculosis, pneumococcal infection, diphtheria, tetanus, pertussis, hemophilic infection, human papillomavirus infection, polio, measles, mumps, rubella, influenza: immunobiological drugs, calendar of preventive vaccinations and vaccination regimens, characteristics of acquired post-vaccination immunity, effectiveness of vaccination, adverse reactions after preventive vaccinations, determination of contraindications to vaccination, vaccination according to epidemic indications.

Preparation of an individual calendar of preventive vaccinations in accordance with the National Calendar of Preventive Vaccinations.

Vaccination of medical workers. Information and educational work on immunoprophylaxis among the population, including at the individual level.

2.4. Immunoprophylaxis of infectious diseases according to epidemic indications

Epidemic indications for preventive vaccinations against rabies, brucellosis, chickenpox, viral hepatitis B, A, hemophilic infection, diphtheria, yellow fever, SARS-CoV-2 coronavirus infection, human papillomavirus infection, tick-borne encephalitis, measles, rubella, leptospirosis, pneumococcal infection, polio, anthrax tetanus, tularemia, plague, mumps: immunobiological drugs, vaccination regimens, characteristics of acquired post-vaccination immunity, effectiveness of vaccination,

adverse reactions after preventive vaccinations, determination of contraindications to vaccination.

Tetanus prevention: characteristics of immunobiological drugs, indications, scheme of choosing the type of emergency prevention.

Carrying out preventive vaccinations against infections that are not included in the National Calendar of preventive vaccinations: meningococcal infection, rotavirus infection.

3. Special epidemiology

3.1. Intestinal infections

Classification of intestinal infections. Social and natural factors in the epidemiology of intestinal infections. The mechanism of development of the epidemic process of intestinal infections. Manifestations of the epidemic process, epidemiological characteristics of outbreaks of intestinal infections. Fundamentals of epidemiological monitoring of intestinal infections. Medical prevention of intestinal infections. Sanitary and antiepidemic measures for intestinal infections.

3.2. Aerosol infections

Classification of aerosol infections. Social and natural factors in the epidemiology of aerosol infections. The mechanism of development of the epidemic process of aerosol infections (influenza, acute respiratory infections, whooping cough, streptococcal infection, meningococcal infection, measles, rubella, mumps, chickenpox). Manifestations of the epidemic process, epidemiological characteristics of aerosol infections, including those controlled and prevented by means of specific prophylaxis, characteristics of outbreaks of aerosol infections. Fundamentals of epidemiological monitoring of aerosol infections. Medical prevention of aerosol infections. Sanitary and anti-epidemic measures for aerosol infections.

3.3. Infections with a predominantly parenteral transmission mechanism

Human immunodeficiency virus (HIV) disease

HIV infection and acquired immunodeficiency syndrome: characteristics of the pathogen; mechanism of development of the epidemic process; manifestations of the epidemic process; prevention; determination of the boundary and time of the outbreak; sanitary and anti-epidemic measures.

Parenteral viral hepatitis: characteristics of pathogens; mechanism of development of the epidemic process; features of the official route of transmission of infection, manifestations of the epidemic process; definition of the focus boundary; prevention; sanitary and anti-epidemic measures.

Prevention of parenteral infections among medical workers. Procedure for emergency contact when working with biological material. Post-exposure prophylaxis.

3.4. Biosafety. International health regulations. Sanitary protection of the territory. Infections with a transmissible transmission mechanism

Definition of biosafety, strategic directions identified in accordance with the main areas of impact of dangerous biological factors. The Concept of the National biosafety system.

International Health Regulations. An emergency in the field of public health of international importance: a decision-making scheme for assessment and notification, a notification algorithm and information exchange.

Sanitary protection of the territory. Sanitary and epidemiological requirements for the organization and conduct of sanitary and anti-epidemic measures for the sanitary protection of the territory of the Republic of Belarus, basic definitions: sanitary protection of the territory; infectious diseases requiring measures for the sanitary protection of the territory; hospital base; dispensary hospital; isolation ward; infectious diseases hospital; observatory.

Organization and implementation of a set of measures to identify a person with symptoms of an infectious disease that requires measures for the sanitary protection of the territory. The procedure for carrying out restrictive measures, including the introduction and cancellation.

Tick-borne encephalitis: characteristics of the causative agent; mechanism of development of the epidemic process; manifestations of epizootic and epidemic processes; prevention; sanitary and anti-epidemic measures.

Lyme disease: characteristics of the pathogen; mechanism of development of the epidemic process; manifestations of epizootic and epidemic processes; prevention; sanitary and anti-epidemic measures.

4. Hospital epidemiology

4.1. Infections associated with the provision of medical care

Definition of the concept of «infections associated with the provision of medical care» (IAPMC), epidemiological characteristics of pathogens, features of hospital strains. The mechanism of development of the epidemic process of IAPMC, manifestations of the epidemic process. Sources of infection, ways and factors of transmission of IAPMC. Nosological forms of IAPMC. Risk factors for the occurrence of IAPMC.

4.2. Infection control and medical prevention of infections associated with the provision of medical care

Sanitary and epidemiological requirements for the work of healthcare organizations. Infection and industrial control. Sanitary and anti-epidemic measures.

Definition of the concept of «disinfection». Types and methods of disinfection. Requirements for disinfectants. The main groups of disinfectants. Disinfection quality control. Pre-sterilization cleaning.

Definition of the concept of «sterilization». Indications for sterilization of medical devices and its stages. Methods of sterilization. Organization of sterilization (centralized sterilization department). Quality control of pre-sterilization cleaning and sterilization.

Organization of disinfection and sterilization measures depending on the epidemiological characteristics of the infection.

Asepsis, antiseptics, hand hygiene of medical personnel.

5. Clinical epidemiology

Introduction to clinical epidemiology. Clinical epidemiology is the methodological basis of evidence-based medicine. Organization of epidemiological research. Clinical epidemiology: definition of the concept; clinical epidemiology in

medicine, scientific research, educational process; clinical epidemiology and evidence-based medicine; morbidity; study of incidence; frequency indicators and their comparison; the concept of causality in epidemiology (single and multiple causes, identification of causes); risk groups; risk factors; disease outcomes; intervening factors.

Organization of epidemiological research. Planning and conducting epidemiological studies: defining the purpose of the study; choosing the research method; data collection (sampling data from medical documents, creating questionnaires); determining the sample size; sampling methods; data analysis.

The design of epidemiological studies. Methods of epidemiological research: randomized controlled trials, cohort studies, case-control studies, cross-sectional studies.

EDUCATIONAL DISCIPLINE CURRICULAR CHART

Section, topic #	Section (topic) name	Number of class hours		SSIW	Literature	Practical skills	Form of control	
		lectures	practical				of practical skills	of current / intermediate assessment
	Lectures	9	-	3				
1.	Epidemiology as a science and academic discipline, its place in the structure of medical sciences. Modern doctrine about the epidemic process	1,5	-	-	1, 6			
2.	Fundamentals of immunoprophylaxis of infectious diseases	1,5	-	-	1, 6			
3.	Organizational and methodological issues of immunoprophylaxis of infectious diseases	1,5	-	-	1, 6			
4.	Infections with a predominantly parenteral transmission mechanism	1,5	-	1,5	1, 6			
5.	Infections associated with the provision of medical care	1,5	-	1,5	1, 6			
6.	Clinical epidemiology	1,5	-	-	1, 6			
	Practical lessons	-	36	-				
1.3.	Basic concepts of epidemiology	-	2	-	1, 4 - 6			Control questionnaire, electronic tests
1.4.	Sanitary and antiepidemic measures and	-	2	-	1, 4 - 6	Determination of the	Solving	Control

	antiepidemic means					boundary and time of existence of the focus of an infectious disease with a fecal-oral transmission mechanism	situational tasks	questionnaire, electronic tests
1.5.	Organization of work on the medical prevention of infectious diseases and the implementation of sanitary and anti-epidemic measures in outpatient clinics and hospital organizations	-	2	-	1, 4 - 6	Definition of the function of medical forces and means in the system of anti-epidemic provision	Solving situational tasks	Control questionnaire, electronic tests
2.2.	Organizational and methodological issues of immunoprophylaxis of infectious diseases: general requirements for the organization of vaccinations; technical regulations on immunoprophylaxis; National calendar of preventive vaccinations; preventive vaccinations for epidemic indications; planning of preventive vaccinations	-	2	-	1, 4, 6			Control questionnaire, electronic tests
2.2.	Organizational and methodological issues of immunoprophylaxis of infectious diseases: requirements for the establishment and equipment of vaccination offices of organizations; requirements for transportation and storage of immunobiological medicines; requirements for preventive vaccinations	-	2	-	1, 4, 6			Control questionnaire, electronic tests
2.2.	Organizational and methodological issues of immunoprophylaxis of infectious diseases: the concept of adverse reactions to preventive vaccinations: types, detection, registration,	-	2	-	1, 4, 6	Assessment of the quality and effectiveness of immunoprophylaxis	Solving situational tasks	Control questionnaire, electronic tests

	investigation, evaluation of the quality and effectiveness of immunoprophylaxis							
2.3.	Immunoprophylaxis of infectious diseases included in the National Calendar of preventive vaccinations: viral hepatitis B, tuberculosis, diphtheria, whooping cough, tetanus	-	2	-	1, 4, 6	Assessment of the quality and effectiveness of immunoprophylaxis	Registration of the protocol of preventive vaccinations *	Control questionnaire, electronic tests
2.3.	Immunoprophylaxis of infectious diseases included in the National Calendar of preventive vaccinations: immunoprophylaxis of polio, measles, rubella, mumps	-	2	-	1, 4, 6			
2.3.	Immunoprophylaxis of infectious diseases included in the National Calendar of preventive vaccinations: immunoprophylaxis of hemophilic infection type B, pneumococcal infection, influenza; infection caused by human papillomavirus	-	2	-	1, 4, 6	Performing an individual calendar of preventive vaccinations in accordance with the National Calendar of Preventive Vaccinations	Solving situational tasks	Control work *
2.4.	Immunoprophylaxis of infectious diseases according to epidemic indications: immunoprophylaxis of chickenpox, hepatitis B, hepatitis A, infection caused by the SARS-CoV-2 coronavirus, tetanus	-	2	-	1, 4, 6			Control questionnaire, electronic tests
2.4.	Immunoprophylaxis of infectious diseases according to epidemic indications: immunoprophylaxis of rabies, yellow fever, tick-borne encephalitis, leptospirosis	-	2	-	1, 4, 6			Control questionnaire, electronic tests
2.4.	Immunoprophylaxis of infectious diseases according to epidemic indications: immunoprophylaxis of brucellosis, anthrax, tularemia, plague	-	2	-	1, 4, 6			Control questionnaire, electronic tests

3.1.	Intestinal infections	-	2	-	1, 2, 4, 6	Performing a plan of sanitary and anti-epidemic measures in foci of infectious diseases with a fecal-oral transmission mechanism	Solving situational tasks	Control questionnaire, electronic tests
3.2.	Aerosol infections	-	2	-	1, 2, 3, 4, 6	Performing a plan of sanitary and anti-epidemic measures in foci of infectious diseases with an aerosol transmission mechanism	Solving situational tasks	Control questionnaire, electronic tests
3.3.	Infections with a predominantly parenteral mechanism of infection	-	2	-	1, 2, 4	Performing a plan of sanitary and anti-epidemic measures in foci of infectious diseases with parenteral mechanism of infection	Solving situational tasks	Control questionnaire, electronic tests
3.4.	Biosafety. International health regulations. Sanitary protection of the territory. Infections with a transmissible transmission mechanism	-	2	-	1, 4, 6			Control questionnaire, electronic tests
4.1.	Infections associated with the provision of medical care	-	2	-	1, 4, 6	Performing hygienic and antiseptic hand treatment	Visual assessment of the methodology	Control questionnaire, electronic tests
4.2.	Infection control and medical prevention	-	2	-	1, 4, 6	Organization of	Solving	Credit

of infections associated with the provision of medical care					disinfection and sterilization measures depending on the epidemiological characteristics of the infection	situational tasks	
Total hours	9	36	3				

*This is a mandatory form of current certification

INFORMATION AND INSTRUCTIONAL UNIT

LITERATURE

Basic (relevant):

1. Mamchits, L. P. Epidemiology : a textbook for foreign students of higher education institutions. / L. P. Mamchits. – Minsk : Higher School, 2021. – 191 p.

Additional:

2. Epidemiological characteristics and prevention of intestinal infections : educational and methodological guide / I. V. Fedorova, Yu. V. Mitryaikina. – Minsk : BSMU, 2025. – 52 p.

3. Aerosol infections : educational and methodical manual / I. V. Fedorova, Yu. V. Mitryaikina. – Minsk : BSMU, 2025. – 39 p.

4. Epidemiology : a practical course / I. V. Fedorova, Yu. V. Mitryaikina. – Minsk : BSMU, 2025. – 64 p.

5. Chistenko, G. N. Fundamentals of general epidemiology. Anti-epidemic measures and remedies. Anti-epidemic work in healthcare organizations : educational and methodological guide / G. N. Chistenko. – Minsk : BSMU, 2019. – 36 p.

Electronic courseware for the educational discipline «Epidemiology»

6. <https://etest.bsmu.by/course/view.php?id=303>

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

The time allocated for independent work can be used by students for:
 preparation for lectures, practical exercises;
 preparation for the credit;
 problem solving;
 preparation of thematic reports, abstracts, presentations;
 performing practical tasks;
 taking notes on educational literature.

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF SUPERVISED STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

APPROXIMATE LIST OF TASKS FOR SUPERVISED STUDENT INDEPENDENT WORK:

preparation of thematic reports, abstracts, presentations;
 the study of topics and problems that are not brought to lectures;
 taking notes of primary sources (sections of anthologies, collections of documents, monographs, textbooks);
 computer testing.

FORMS OF CONTROL OF SUPERVISED STUDENT INDEPENDENT WORK:

the control questionnaire;
 electronic tests.

LIST OF AVAILABLE DIAGNOSTIC TOOLS

The following forms of current assessment are used to diagnose competencies:
 control questionnaire;
 control work;
 electronic tests.

LIST OF AVAILABLE TEACHING METHODS

Traditional method;
 active (interactive) methods:
 Problem-Based Learning (PBL);
 Team-Based Learning (TBL).

LIST OF PRACTICAL SKILLS

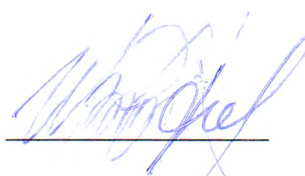
Name of practical skills	Form of practical skills control
1. Determination of the boundary and time of existence of the focus of an infectious disease with various transmission mechanisms	Solving situational tasks
2. Definition of the function of medical forces and means in the system of anti-epidemic provision	Solving situational tasks
3. Organization of disinfection and sterilization measures depending on the epidemiological characteristics of the infection	Solving situational tasks
4. Performing a plan of sanitary and anti-epidemic measures in foci of infectious diseases with a fecal-oral transmission mechanism	Solving situational tasks
5. Performing a plan of sanitary and anti-epidemic measures in foci of infectious diseases with an aerosol transmission mechanism	Solving situational tasks
6. Performing a plan of sanitary and anti-epidemic measures in foci of infectious diseases with parenteral mechanism of infection	Solving situational tasks
7. Assessment of the quality and effectiveness of immunoprophylaxis	Registration of the protocol of preventive vaccinations
8. Performing of an individual calendar of preventive vaccinations in accordance with the National Calendar of Preventive Vaccinations	Solving situational tasks
9. Performing hygienic and antiseptic hand treatment	Visual assessment of the methodology

**PROTOCOL OF THE CURRICULUM APPROVAL
BY OTHER DEPARTMENTS**

Title of the discipline requiring approval	Department	Amendments to the curriculum in the academic discipline	Decision of the department, which designed the curriculum (date, protocol #)
Infectious Diseases	Infectious diseases with a course for advanced training and retraining	There are no changes or additions	05.05.2025, Protocol # 18
Pediatric Infectious Diseases	Childhood infectious diseases with a course for advanced training and retraining	There are no changes or additions	05.05.2025, Protocol # 18

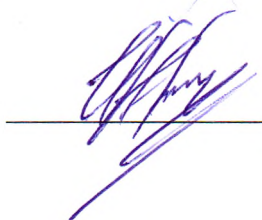
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I.N.Valchuk

Curriculum content, composition and the accompanying documents comply with the
established requirements.

Head of the Office of Educational Activities
of the Educational Institution «Belarusian
State Medical University»

26.06.2025



I.L.Kotovich

Methodologist of the Educational and
Methodological Department of the Office of
Educational Activities of the Educational
Institution «Belarusian State Medical
University»

26.06.2025



S.V.Zaturanova