BOGOMOLETS NATIONAL MEDICAL UNIVERSITY
Medical faculty №1 Infectious diseases department

APPROVED
Vice-Rector of the Higher Education Institution of Bogomolets National Medical University for Research, Academic and Education Affairs
Doctor of Medical Sciences, Professor,
Oleh VLASENKO

WORKING PROGRAM OF THE ACADEMIC DISCIPLINE
MC 14 «Internal medicine»

(including infectious diseases, epidemiology and clinical pharmacology)
(name of the discipline)

Module 4 “Infectious diseases”

Educational level:	Second (Master’s) degree level
Field of knowledge:	22 Health care
Speciality:	221 Stomatology
Educational program:	Educational and professional training programme of the second (Master’s) level of higher education, speciality 221 Stomatology

2026/2027 academic year

Working program on the subject "Internal medicine (including infectious diseases, epidemiology and clinical pharmacology)" for 4th year students in the field of training specialists of the "Magister's" level of education, field of knowledge 22 "Health" in the specialty 221 "Stomatology ".

Developers:
Head of the Department of Infectious Diseases, Professor, MD Holubovska O.A., Associate Professor, Ph.D. Bezrodna O.V., Associate Professor, Ph.D. Vinnytska O.V.

The work program was approved at a meeting of the Department of Infectious Diseases

Protocol № 1 from "26" August 2026

Head of the Department of Infectious Diseases,
Professor _____ O.A. Golubovska
Signature

The work program was approved at a meeting of the cycle commission on therapeutic disciplines

Protocol № 1 from "27" August 2026

Chairman of the cycle commission on therapeutic disciplines,
Professor _____ O.B. Iaremenko
Signature

1. Description of the discipline

Name of the discipline	Internal medicine (including infectious diseases, epidemiology and clinical pharmacology)
Code of the discipline	MC 14
Number of ECTS credits	4 (module 4 – 1,25 credits)
The total number of hours	120 (module 4 – 37)
• Module 4	Lectures – 4 hours Practical – 26 hours Individual work – 7 hours
Type of control	Final Stage Control

2. The purpose, expected learning outcomes and criteria for assessing learning outcomes

The purpose of teaching the module "Infectious Diseases" is to clarify the patterns of the modern pathological process in infectious diseases by studying the prevalence of infectious diseases in the world and Ukraine, etiological factors, mechanisms and factors of their transmission, the main links of pathogenesis, identifying relationships between clinical features of the course and state of the immune system, complications that complicate their course, the principles of diagnosis and treatment of this category of patients in the field of evidence-based medicine.

List of competencies and program learning outcomes

Integral: The ability to solve complex problems and problems in the field of health in “Dentistry” speciality in a professional activity or in the process of

learning, which involves research and/or innovation and is characterized by uncertainity of conditions and requirements.

General competences (GC):

GC 1. Ability to abstract thinking, analysis and synthesis.

GC 2. Knoweledge and understanding of the subject area and understanding of professional activity.

GC 3. Ability to use knowledge in practical activities.

GC 4. Ability to communicate in the state language both orally and in writing.

GC 6. Skills in the use of information and communication technologies.

GC 7. Ability to search, process and analyse information from various sources.

GC 8. Ability to adapt and act in a new situation.

GC 9. Ability to identify, pose and resolve problems.

GC 10 Ability to be critical and self-critical.

GC 11. Ability to work in a team.

GC 13. Ability to act socially responsibly and conscientiously.

GC 14. The ability to exercise one's rights and responsibilities as a member of society, to be aware of the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms in Ukraine.

GC 15. The ability to preserve and multiply the moral, cultural, scientific values and

achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature

and society and in the development of society and technology, to use various types of motor activity for outdoor activities and healthy lifestyle.

Special (professional, subject) competencies of the specialty (PC):

SC 1. Ability to collect medical information about the patient and analyze clinical data.
SC 2. Ability to interpret the results of laboratory and imaging tests.
SC 3. Ability to diagnose: determine preliminary, clinical, final, concomitant diagnosis,emergency conditions.
SC 7. Ability to determine the tactics of managing patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.
SC 8. Ability to perform medical and dental manipulations.
SC 10. Ability to organize and conduct medical and evacuation activities.
SC 11. Ability to determine tactics, methods and provide emergency medical care.
SC 13. Ability to assess the impact of the environment on the health of the population
(individual, family, population).
SC 14. Ability to maintain regulatory medical records.
SC 15. Development of state, social and medical information.

Program learning outcomes:
PLO 1. Identify leading clinical symptoms and syndromes; according to standard methods, using preliminary data from the patient's history, examination data of the patient, knowledge about a person, his organs and systems, to establish a probable nosological or syndromic preliminary clinical diagnosis of a dental disease.
PLO 2. Collect information about the general condition of the patient, evaluate the psychomotor and physical development of the patient, the state of the organs of the maxillofacial region, evaluate information about the diagnosis based on the results of laboratory and imaging tests.
PLO 3. Assign and analyze additional (mandatory and optional) examination tests (laboratory, X-ray, functional and or instrumental) in patients with diseases of

organs and tissues of the oral cavity and maxillofacial region for differential diagnosis of diseases.

PLO 4. Determine the final clinical diagnosis in compliance with the relevant ethical and legal standards, by making an informed decision and logical analysis of the obtained subjective and objective data from a clinical, additional examination, conducting differential diagnostics under the supervision of a medical director in a medical institution.

PLO 5. Establish a diagnosis of emergency conditions under any circumstances (at home, on the street, in a medical institution), in an emergency situation, martial law, lack of information and limited time.

PLO 6. Plan and implement measures for the prevention of dental diseases among the population to prevent the spread of dental diseases.

PLO 7. Analyze the epidemiological condition and carry out mass and individual, general and local drug and non-drug prevention of dental diseases.

PLO 9. Determine the nature of the regime of work, rest and the necessary diet in the treatment of dental diseases based on a preliminary or final clinical diagnosis by making an informed decision on existing algorithms and standard schemes.

PLO 10. Determine the tactics of managing a dental patient with somatic pathology by making an informed decision on existing algorithms and standard schemes.

PLO 13. Determine the tactics of emergency medical care, using the recommended algorithms, under any circumstances from the diagnosis of an emergency condition in a limited time.

PLO 14. Analyze and evaluate governmental, social and medical information using standard approaches and information technologies.

PLO 15. Assess the impact of the environment on the health of the population in a medical institution using standard methods.

PLO 16. Form goals and determine the structure of personal activity based on the result of an analysis of certain social and personal needs.

PLO 17. a Follow a healthy lifestyle, use the techniques of self-regulation and self-control.

PLO 18. Realize and be guided by their activity by civil rights, freedoms and duties, to raise the general educational cultural level.

PLO 19. Comply with the requirements of ethics, bioethics and deontology in professional activities.

PLO 20. Organize the necessary level of individual safety (own and those of whom he cares) in the event of typical dangerous situations in the individual field of activity.

PLO 21. Perform medical manipulations on the basis of a preliminary and N or final clinical diagnosis for different segments of the population and in different conditions.

PLO 23. Perform manipulations in the provision of emergency medical care, using standard schemes, under any circumstances from the diagnosis of an emergency condition in a limited time.

Matrix of correspondence of program competencies to the component of the educational program MC 14 Internal medicine (including infectious diseases, epidemiology and clinical pharmacology)

General competences														
GC1	GC2	GC3	GC4	GC5	GC6	GC7	GC8	GC9	GC10	GC11	GC12	GC13	GC14	GC15
+	+	+	+		+	+	+	+	+	+		+	+	+

Special (professional, subject) competences																	
SC 1	SC 2	SC 3	SC 4	SC 5	SC 6	SC 7	SC 8	SC 9	SC 10	SC 11	SC 12	SC 13	SC 14	SC 15	SC 16	SC 17	SC 18
+	+	+				+	+		+	+		+	+	+			

Matrix of correspondence of program learning outcomes to the component of the educational program MC 14 Internal medicine (including infectious diseases, epidemiology and clinical pharmacology)

Program learning outcomes	PLO 1	+
	PLO 2	+
	PLO 3	+
	PLO 4	+
	PLO 5	+
	PLO 6	+
	PLO 7	+
	PLO 8	
	PLO 9	+
	PLO 10	+
	PLO 11	
	PLO 12	
	PLO 13	+
	PLO 14	+
	PLO 15	+
	PLO 16	+
	PLO 17	+
	PLO 18	+
	PLO 19	+
	PLO 20	+
	PLO 21	+
	PLO 22	
	PLO 23	+

Evaluation criteria

The grade “excellent” is given when the higher education applicant knows the content of the lesson and the lecture material in full, illustrating the answers with various examples; gives exhaustively accurate and understandable answers without any leading questions; presents the material without errors and inaccuracies; freely solves tests, problems and performs practical tasks of varying degrees of complexity.

The grade “good” is given when the higher education applicant knows the content of the lesson and understands it well, presents the answers to the questions correctly, consistently and systematically, but they are not exhaustive, although the higher education applicant answers additional questions without errors: solves tests, problems and performs all practical tasks, experiencing difficulties only in the most difficult cases.

The grade “satisfactory” is given to the higher education applicant based on his knowledge of the entire content of the lesson and with a satisfactory level of its understanding. A higher education applicant solves modified (simplified) tasks using leading questions; solves tests, tasks and performs practical skills, experiencing difficulties in simple cases; is unable to independently systematically state the answer, but answers straightforward questions correctly.

The grade “unsatisfactory” is given in cases where the knowledge and skills of a higher education applicant do not meet the requirements for the grade “satisfactory”.

3. The program of the discipline

Content module 1. Infectious diseases.

Topic № 1. Acute respiratory viral infections (influenza, parainfluenza, adenoviral, rhinovirus, respiratory-synthetic infections). Immunoprophylaxis of influenza.

The place of infectious diseases with airborne transmission mechanism in the structure of infectious pathology. Epidemiological, pathogenetic and clinical features of infectious diseases of the respiratory tract.

Definition of "ARI" and "SARS". Etiology of SARS. The place of SARS in the structure of infectious pathology.

Influenza: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, complications, prognosis. Modern methods of treatment of patients. Principles of immunoprophylaxis. Medical care for patients at the prehospital stage.

Parainfluenza: etiology, epidemiology, pathogenesis, classification, clinical course, diagnosis, complications, treatment.

Adenovirus infection: epidemiology, pathogenesis, classification, clinical course, diagnosis, complications, treatment.

Respiratory-synthetic infection: etiology, epidemiology, pathogenesis, classification, clinical course, diagnosis, complications, treatment.

Rhinovirus infection: etiology, epidemiology, pathogenesis, clinical manifestations, complications, treatment.

Topic № 2. Corona virus disease 2019. State of the problem in the world and in Ukraine. Features of the clinical course, diagnosis and principles of treatment COVID 19: etiology, epidemiology, pathogenesis, classification, clinical course, diagnosis, complications, treatment.

Topic № 3. Enteroviral diseases (herpetic sore throat, enterovirus vesicular stomatitis syndrome: "hand, foot, mouth")

General characteristics of enterovirus diseases, etiological structure, place in infectious pathology.

Herpetic sore throat, enterovirus vesicular stomatitis syndrome: "hand, foot, mouth": etiology, epidemiology, pathogenesis, classification, clinical manifestations, laboratory diagnosis, complications. Principles of treatment and prevention. Medical care for patients at the prehospital stage.

Topic № 4. Herpesvirus infections - HSV, VZV, EBV, CMV. Clinical characteristics of herpes simplex, infectious mononucleosis. Principles of treatment and prevention.

General characteristics of herpesvirus infections, etiological structure, place in infectious pathology. Infections caused by herpes simplex viruses HSV-1 and HSV-2: etiology, epidemiology, pathogenesis, classification, clinical manifestations, laboratory diagnosis, complications, prognosis. Principles of treatment and prevention of herpesvirus infections. Indications for hospitalization. Medical care for patients at the prehospital stage.

Chickenpox and shingles: etiology, epidemiology, pathogenesis, classification, clinical manifestations, laboratory diagnosis, complications. Principles of treatment and prevention of VZV infection. Medical care for patients at the prehospital stage.

EBV-infection and CMV-infection: etiology, pathogenesis, classification, clinical picture, complications, prognosis. Infectious mononucleosis as a polyetiological disease. Laboratory diagnostics. Principles of treatment and prevention of EBV and CMV infections. Medical care for patients at the prehospital stage.

Topic №5. Changes in the oropharynx in bacterial pharyngitis, meningococcal nasopharyngitis, diphtheria. Immunoprophylaxis of diphtheria.

Diphtheria: etiology, features of the epidemic process, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, prognosis. Principles of treatment and prevention (including immunoprophylaxis). Medical care for patients at the prehospital stage.

Meningococcal infection: a place in the structure of infectious pathology in Ukraine. Etiology, epidemiology, pathogenesis, clinical and laboratory diagnosis of meningococcal nasopharyngitis, prognosis. Principles of treatment. Preventive measures.

Topic № 6. "Children's" infections in adults. Measles, rubella, mumps, scarlet fever. Features of changes in the oropharynx. Immunoprophylaxis of these diseases.

Measles: etiology, epidemiology, pathogenesis, clinical manifestations, features of the course in adults, laboratory diagnosis, complications. Principles of treatment, protective measures in the area of measles. Principles of immunoprophylaxis. Medical care for patients at the prehospital stage.

Rubella: etiology, epidemiology, pathogenesis, clinical manifestations, features of the course in adults, laboratory diagnosis, complications. Principles of treatment and prevention (including immunoprophylaxis) of rubella. The role of rubella virus in fetal pathology.

Viral mumps: etiology, epidemiology, pathogenesis, classification, clinical manifestations, features of the course in adults, complications. Principles of laboratory diagnosis, treatment and prevention (including immunoprophylaxis). Medical care for patients at the prehospital stage.

Scarlet fever: etiology, epidemiology, pathogenesis, clinical manifestations, features of the course in adults, laboratory diagnosis, complications. Principles of treatment. Medical care for patients at the prehospital stage.

Erysipelas: etiology, epidemiology, classification, pathogenesis, clinical course, diagnosis, complications, prognosis. Principles of treatment and prevention.

Topic № 7. Tetanus. Erysipelas. Murrain. Anthrax. Features of oropharyngeal lesions in these diseases.

Anthrax: etiology, epidemiology, classification, pathogenesis, clinical course, diagnosis, complications, prognosis. Principles of treatment and prevention.

Murrain: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, complications, prognosis. Principles of treatment and prevention.

Tetanus: etiology, epidemiology, classification, pathogenesis, clinical course, diagnosis, complications, prognosis. Principles of treatment, medical care

for patients in the prehospital stage, treatment tactics in case of emergencies. Principles of prevention.

Topic №8. Viral hepatitis with parenteral transmission. Clinical manifestations, diagnosis, basics of treatment. Immunoprophylaxis of viral hepatitis A and B. Features of infection prevention in dental practice. Individual prevention of viral hepatitis.

Acute HBV-infection: etiology, epidemiology, classification, pathogenesis, clinical course, complications, prognosis. Preventive measures. Immunoprophylaxis.

Acute HDV-infection: etiology, epidemiology, classification, pathogenesis, clinical course, complications, prognosis. Preventive measures.

The concept of viral hepatitis G, TTV.

Laboratory diagnosis of acute viral hepatitis. Therapeutic tactics, medical care for patients in the prehospital stage.

Viral hepatitis C: etiology, epidemiology, classification, pathogenesis, clinical course, laboratory diagnosis, prognosis. Principles of treatment and prevention. Indications for hospitalization.

Topic № 9. HIV- infection. General consept

Relevance of HIV-infection for Ukraine. Etiology, epidemiology, pathogenesis, classification, clinical course, prognosis. Laboratory diagnosis, examination plan of the patient when establishing a preliminary diagnosis of HIV-infection. Principles of prescribing therapy. Preventive measures.

Topic № 10. HIV-associated infections and invasions accompanied by lesions of the oral mucosa. Post-exposure prophylaxis.

The most common HIV-associated diseases that are accompanied by lesions of the oropharynx: herpesvirus infections type 1 and 3, oropharyngeal candidiasis, hairy leukoplakia of the tongue, Kaposi's sarcoma. Clinical and laboratory diagnostics. Features of opportunistic infections in HIV patients. Principles of treatment and prevention. Indications for hospitalization. Medical examination of patients with HIV- infection.

Topic №11. The concept of enterotoxigenic and enteroinvasive diarrhea. Shigellosis, salmonellosis. Emergency aid.

The place of infectious diseases with fecal-oral mechanism of transmission in the structure of infectious diseases. Modern methods of laboratory diagnostics. Indications for hospitalization.

The concept of enteroinvasive and enterotoxigenic diarrhea.

Diarrheal syndrome: etiology, pathogenesis, clinical features, laboratory diagnosis.

Salmonellosis: etiology, epidemiology, classification, pathogenesis, clinical course, laboratory diagnosis, complications. Modern methods of treatment, medical care for patients in the prehospital stage. Principles of prevention.

Shigellosis: etiology, epidemiology, classification, pathogenesis, clinical course, laboratory diagnosis, complications. Modern methods of treatment, medical care for patients in the prehospital stage. Principles of prevention.

Topic № 12. Some diseases regulated by the International Health Regulations of 2005 - plague, cholera.

Plague: etiology, epidemiology, classification, pathogenesis, clinical course, diagnosis, complications, prognosis. Principles of treatment and prevention.

Cholera: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, complications. Modern methods of treatment, medical care for patients in the prehospital stage. Indications for hospitalization. Preventive measures and immunoprophylaxis.

Topic № 13. **Final stage control of assimilation of module 4 "Infectious diseases"**

4. The structure of the discipline

№	Topic	Lectures	Classes	Independent work	
				Self-dependent	Individual project

				work of student	
Content module 4: INFECTIOUS DISEASES					
1	Acute respiratory viral infections (influenza, parainfluenza, adenoviral, rhinovirus, respiratory-synthetic infections). Immunoprophylaxis of influenza.	-	2	0,5	- Report at clinical conferences of departments. - Report of medical history in a practical lesson - Writing abstracts, articles
2	Coronavirus disease 2019. State of the problem in the world and in Ukraine. Features of the clinical course, diagnosis and principles of treatment	-	2	0,5	
3	Enterovirus diseases (herpetic sore throat, enterovirus vesicular stomatitis syndrome: "arm, leg, mouth")	-	2	0,5	
4	Herpesvirus infections - HSV, VZV, EBV, CMV. Clinical characteristics of herpes simplex, infectious mononucleosis. Principles of treatment and prevention.	-	2	0,5	
Lecture 1: General characteristics of a group of diseases with hemocontact transmission mechanism. Viral hepatitis C.		1	-	-	
Lecture 2: Viral hepatitis B, D.		1	-	-	
5	Changes in the oropharynx in bacterial pharyngitis, meningococcal nasopharyngitis, diphtheria. Immunoprophylaxis of diphtheria.	-	2	0,5	
6	"Children's" infections in adults. Measles, rubella, mumps, scarlet fever. Changes in the oropharynx. Immunoprophylaxis of these diseases.	-	2	0,5	

7	Tetanus. Erysipelas. Anthrax. Murrain. Features of oropharyngeal lesions in these diseases.	-	2	0,5	
Lecture 3: HIV- infection: basic concepts.		1	-	-	
Lecture 4: HIV-associated infections and invasions.		1	-	-	
8	Viral hepatitis with hemocontact transmission mechanism. Clinical manifestations, diagnosis, basics of treatment. Immunoprophylaxis of viral hepatitis A and B. Features of infection prevention in dental practice. Individual prevention of viral hepatitis.	-	2	0,5	
9	HIV- infection: basic concepts.	-	2	0,5	
10	HIV-associated infections and invasions accompanied by lesions of the oral mucosa. Post-exposure prophylaxis	-	2	0,5	
11	The concept of enterotoxigenic and enteroinvasive diarrhea. Shigellosis, salmonellosis. Emergency aid.	-	2	0,5	
12	Some diseases regulated by the International Health Regulations 2005 - (plague, cholera).	-	2	0,5	
	Individual project	-	-	6	1
13	**Final stage control of assimilation of module 4 "INFECTIOUS DISEASES"**	-	2	-	
	Total - 37 hours.	4	26	7	
	Credits ECTS	**1,25**			

5. Topics of lectures

№	Topic	Academic

i/o		hours
1	General characteristics of the group of diseases with hemocontact transmission mechanism. Viral hepatitis C.	1
2	Viral hepatitis B, D.	1
3	HIV- infection: basic concepts.	1
4	HIV-associated infections and invasions.	1
Total		4

6. Topics of seminars

№ i/o	Topic	Academic hours
1	-	-
Total		-

7. Topics of practical classes

№ i/o	Topic	Academic hours
Змістовий модуль 1. Інфекційні хвороби.		
1	Acute respiratory viral infections (influenza, parainfluenza, adenoviral, rhinovirus, respiratory-synthetic infections). Immunoprophylaxis of influenza.	2
2	Coronavirus disease 2019. State of the problem in the world and in Ukraine. Features of the clinical course, diagnosis and principles of treatment	2
3	Enterovirus diseases (herpetic sore throat, enterovirus vesicular stomatitis syndrome: "arm, leg, mouth")	2
4	Herpesvirus infections - HSV, VZV, EBV, CMV. Clinical characteristics of herpes simplex, infectious mononucleosis. Principles of treatment and prevention.	2
5	Changes in the oropharynx in bacterial pharyngitis, meningococcal nasopharyngitis, diphtheria. Immunoprophylaxis of diphtheria.	2
6	"Children's" infections in adults. Measles, rubella, mumps, scarlet fever. Changes in the oropharynx. Immunoprophylaxis of these	2

	diseases.	
7	Tetanus. Erysipelas. Anthrax. Murrain. Features of oropharyngeal lesions in these diseases.	2
8	Viral hepatitis with hemocontact transmission mechanism. Clinical manifestations, diagnosis, basics of treatment. Immunoprophylaxis of viral hepatitis A and B. Features of infection prevention in dental practice. Individual prevention of viral hepatitis.	2
9	HIV- infection: basic concepts	2
10	HIV-associated infections and invasions accompanied by lesions of the oral mucosa. Post-exposure prophylaxis	2
11	The concept of enterotoxigenic and enteroinvasive diarrhea. Shigellosis, salmonellosis. Emergency aid.	2
12	Some diseases regulated by the International Health Regulations 2005 - (plague, cholera).	2
13	**Final Stage Control**	2
Total		26

8. Topics of laboratory classes

№ i/o	Topic	Academic hours
1	-	-
Total		-

9. Self-dependent work

№	Тема	Акад. год.
1	Preparation for practical lesson №1 Acute respiratory viral infections (influenza, parainfluenza, adenoviral, rhinovirus, respiratory-synthetic infections). Immunoprophylaxis of influenza. - Improving the interpretation of data by hemograms. - Improving the skills of interpretation of these special methods of laboratory tests for ARVI (IHAA, CBR, ELISA, IFR, IIFR, IHA, PCR).	0,5

2	Preparation for practical lesson №2 Coronavirus disease 2019. State of the problem in the world and in Ukraine. Features of the clinical course, diagnosis and principles of treatment - Improving the interpretation of data by hemograms. - Improving the skills of interpretation of these special methods of laboratory tests for ARVI (IHAA, CBR, ELISA, IFR, IIFR, IHA, PCR).	
3	Preparation for practical lesson №3 Enteroviral diseases (herpetic sore throat, enterovirus vesicular stomatitis syndrome: "hand, foot, mouth") - Improving the interpretation of data by hemograms. - Improving the skills of interpretation of these special methods of laboratory tests for ARVI (IHAA, CBR, ELISA, IFR, IIFR, IHA, PCR).	0,5
4	Preparation for practical lesson №4 Herpesvirus infections - HSV, VZV, EBV, CMV. Clinical characteristics of simple, operative herpes, infectious mononucleosis. Principles of treatment and prevention. - Improving the interpretation of data by hemograms. - Improving the skills of interpretation of these special methods of laboratory tests for ARVI (IHAA, CBR, ELISA, IFR, IIFR, IHA, PCR).	0,5
5	- Preparation for practical lesson №5 "Changes in the oropharynx in bacterial pharyngitis, meningococcal nasopharyngitis, diphtheria. Immunoprophylaxis of diphtheria. - Improving the interpretation of data by hemograms. - Improving the skills of interpretation of these special methods of laboratory tests for ARVI (IHAA, CBR, ELISA, IFR, IIFR, IHA, PCR).	0,5
6	- Preparation for practical lesson №6 "Children's" infections in adults. Measles, rubella, mumps, scarlet fever. Changes in the oropharynx. Immunoprophylaxis of these diseases. - Improving the interpretation of data by hemograms. - Improving the skills of interpretation of these special methods of laboratory tests for ARVI (IHAA, CBR, ELISA, IFR, IIFR, IHA, PCR).	0,5
7	- Preparation for practical lesson №7 Tetanus. Erysipelas. Anthrax. Murrain. Features of oropharyngeal lesions in these diseases. - Improving the interpretation of data by hemograms.	0,5

	- Improving the skills of interpretation of these special methods of laboratory tests for ARVI (IHAA, CBR, ELISA, IFR, IIFR, IHA, PCR).	
8	Preparation for practical lesson №8 "Viral hepatitis with hemocontact transmission mechanism. Clinical manifestations, diagnosis, basics of treatment. Immunoprophylaxis of viral hepatitis A and B. Features of infection prevention in dental practice. Individual prevention of viral hepatitis. - Improving the skills of interpretation of specific diagnostic data: ELISA, immunoblotting, PCR.	0,5
9	Preparation for practical training №9 HIV- infection. General consept - Improving the skills of interpretation of specific diagnostic data: ELISA, immunoblotting, PCR.	0,5
10	Preparation for practical training № 10 HIV- infection. HIV-associated infections and invasions accompanied by lesions of the oral mucosa. Post-exposure prophylaxis ". - Improving the skills of interpretation of specific diagnostic data: ELISA, immunoblotting, PCR.	0,5
11	- Preparation for practical training №11 "The concept of enterotoxigenic and enteroinvasive diarrhea. Shigellosis, salmonellosis. Emergency aid. - Improving the skills of clinical determination of the degree of dehydration according to WHO recommendations and interpretation of laboratory data of research methods for markers of inflammatory processes, dehydration, acidosis / alkalosis. - Improving the skills of interpretation of specific diagnostic data: microbiological examination (blood, urine, feces), RA, IHAR, CBR, ELISA, IFR, PCR.	0,5
12	- Preparation for practical training №12 Some diseases regulated by the International Health Regulations (plague, cholera) ". - Improving the skills of clinical determination of the degree of dehydration according to WHO recommendations and interpretation of laboratory data of research methods for markers of inflammatory processes, dehydration, acidosis / alkalosis.	0,5

	- Improving the skills of interpretation of specific diagnostic data: microbiological examination (blood, urine, feces), RA, IHAR, CBR, ELISA, IFR, PCR.	
TYPES OF INDIVIDUAL WORK OF STUDENTS		
6	- report at clinical conferences of departments, - writing abstracts, articles	1,0
Разом		7

10. Individual tasks:

- report of the abstract in a practical lesson,
- report at clinical conferences of departments,
- report on the history of the disease in a practical lesson,
- writing abstracts, articles

11. Teaching methods

• verbal (lecture, explanation, story, case methods, group work, problem-based learning);

• visual (observation, illustration, simulation, demonstration);

• practical (practice for developing skills and abilities);

• LIKAR_NMU platform;

• situational modeling technologies (role-playing, gaming, etc.) or algorithmization/standardization technologies;

• interactive methods: method of analyzing specific, problem situations; method of group discussion; method of competitive groups, etc.;

• independent work of students on understanding and mastering new material.

Practical classes according to the method of their organization are clinical and include:

1. Consideration of theoretical questions on the acquisition of practical skills according to the standard lists before each practical lesson and during the control.

2. Solving situational problems.

3. Standardized test control, oral and written questioning.

Independent work of students (IWS) includes work in the clinic in extracurricular time to master practical skills, drawing up schemes of differential diagnosis and algorithms for examination of patients, as well as traditional preparation for practical classes and control of mastering the list of topics for self-study.

12. Methods of control

The current educational activity of the student is evaluated on a 4-point (traditional) scale using the evaluation criteria adopted in the university and approved by the cyclic methodical commission on therapeutic disciplines for the discipline "Internal Medicine, incl. infectious diseases, epidemiology and clinical pharmacology ". This takes into account all types of work provided by the methodological development for the planned topic**.**

Current control is carried out at each practical lesson in accordance with the specific objectives of the topic and includes standardized forms of control of theoretical training and control of professional skills. Current control includes assessment of the initial level of knowledge (oral or written rapid survey, test control using test tasks of format A), assessment of the main stage of practical training (control of professional skills during the supervision of patients, solving typical situational problems), assessment of the final level of knowledge classes (test control using test tasks of format B, solving situational problems of III level, interpretation of the results of laboratory and instrumental methods of examination of the patient).

Current control provides for **100% survey** of students in a practical lesson with mandatory assessment of all components of the lesson - test control, oral examination, solving situational problems, etc. Each topic of the lesson also involves the control of practical skills.

Current control is carried out at each practical lesson in accordance with the specific objectives of the topic and includes standardized forms of control of theoretical training and control of professional skills.

For each stage of the lesson the student receives a grade of "5-4-3-2", from which the teacher determines the arithmetic mean, which is translated into points according to the distribution, which was conducted by the department at the beginning of the discipline.

If during the determination of points for the lesson **the arithmetic mean is "2", it corresponds to 0 points.** The student has the right to improve their knowledge of the topic, if he received an overall grade of "2" during the next lesson, during the current control (**without receiving points**).

The student has the right to miss up to 25% of classes and lectures (by hours). Class absences are worked out by writing a synopsis on the topic of missed classes without assessment. The teacher keeps a register of liquidation of academic debt in the appropriate form. The department does not set a separate schedule indicating the hours for receiving abstracts of missed classes. Missed lectures are not practiced, knowledge is tested at control events.

If a student misses more than 25% of classes together with lectures (by hours), it requires re-study of the discipline.

The total score for the practical lesson, presented on the traditional scale, is converted into points at the department depending on the number of topics in the module as follows:

«5»	6,5
«4»	5,2
«3»	3,9
«2»	0

Independent work of students, which is provided in the topic along with the classroom, is assessed during the current control of the topic in the relevant lesson.

Individual work in the form of an abstract according to the proposed list of topics for new methods of diagnosis or treatment of infectious diseases included in the program is rated from 0 to 5 points.

The maximum number of points that a student can score while studying the module is 200, including a maximum of 80 points for current learning activities (78 points for practical classes plus 2 points for individual work), according to the results of the final stage control - a maximum of 120 points.

The stage module control is carried out upon completion of the study of all topics of the module at the last control session of the module. Students who have missed no more than 25% of classroom hours are admitted to the final stage control.

Forms of final stage control: written blank survey**.**

Evaluation of different stages of final control (in points):

Question block			
0,5	6	5,5	66
1	12	6	72
1,5	18	6,5	78
2	24	7	84
2,5	30	7,5	90
3	36	8	96
3,5	42	8,5	102
4	48	9	108
4,5	54	9,5	114
5	60	10	120

The final control score is a maximum of 120 points. The discipline "Infectious Diseases" is considered enrolled if the student scored a total of 111 points or more for current activities and final control.

EVALUATION THE KNOWLEDGE OF THE DISCIPLINE

carried out on the appropriate scale:

EVALUATION IN POINTS	NATIONAL ASSESSMENT SCALE	ECTS SCALE	
		RATING	EXPLANATION

170-200	PERFECTLY	A	EXCELLENT (excellent performance with few errors)
155-169	FINE	B	VERY GOOD (above average with a few errors)
140-154		C	GOOD (generally correct execution with a certain number of significant errors)
125-139	SATISFACTORILY	D	SATISFACTORY (not bad, but with a significant number of shortcomings)
111-124		E	ENOUGH (performance meets the minimum criteria)
60-110	UNSATISFACTORILY	FX	UNSATISFACTORY (with the possibility of reassembly)
1-59		F	UNSATISFACTORY (with mandatory re-study of the discipline)

The calculation of points for practical classes is carried out by the teacher of the group. The score is calculated by the examiner for the final stage control.

Procedure for liquidation of academic debt.

When receiving an unsatisfactory grade in a discipline within the range of 60-110 points (FX) the student has the right to retake it 2 times: once - by the cathedral commission with the participation of the head. department, and the last time - a commission with the participation of the head of the department and the dean.

Retaking subjects with unsatisfactory grades is carried out according to a schedule drawn up by the department and coordinated with the dean (the interval between attempts or subjects is at least 3 days). The subjects studied in the corresponding course must be completed before the beginning of the new academicyear. The presence of academic debt before the beginning of the new academic year is the basis for expelling a student from the university for failure to

fulfill the requirements of the curriculum (or registration of an academic leave and a repeated course of study due to health).

When receiving an unsatisfactory grade in a discipline within the range of 1-59 points (F), the student is obliged to re-study it outside the classroom on a paid basis. Repeated receipt of an unsatisfactory grade by a student based on the result of repeated study taking into account two rescheduling of a discipline or unsatisfactory grades from 3 disciplines, as well as the presence of missed classroom training classes without valid reasons, the sum of which is 120 hours or more, determines his expulsion from the university for non-fulfillment of the curriculum.

The student's ability to pass the final examination (PC) in a discipline is not affected by the results of other disciplines.

13. Course Policy. Obligatory observance of academic integrity by students, namely:

- independent performance of all types of work, tasks, forms of control provided for by the work program of this elementary discipline;
- references to sources of information in case of using ideas, developments, statements, information;
- compliance with the norms of the legislation on copyright and related rights;
- provision of reliable information about the results of one's own educational (scientific, creative) activities, research methods used and sources of information;
- provide the result of anti-plagiarism check when writing theses and articles.

14. Methodical support

– working curriculum of the discipline;

– plans of practical classes, lectures and independent work of students;

– methodical recommendations and developments for the teacher;

– methodical instructions for practical classes for students;

– test and control tasks for practical classes;

– questions and tasks to control the mastering of the discipline;

– multimedia presentations of the lecture course of the department.

– didactic materials on the discipline;

– tasks for the current control of knowledge, skills and practical skills in the discipline;

– test tasks for current control;

– online course on the LIKAR_NMU distance learning platform.

14. Recommended reading

Basic

1. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases: 2-Volume Set 10th Edition

Additional:

1. Infectious diseases. Under the editorship of O.A. Golubovska - Kyiv, publishing house "Medicine". - 2018. - P.783.
2. Davidson’s Principles and Practice of Medicine 24th Edition

Information resources:

1. Centers for Disease Control and Prevention (CDC) - Access mode: http://www.cdc.gov/
2. Official website of the Ministry of Health of Ukraine //www. moz.gov.ua
3. MSD Manual for the Professional - Access Mode: https://www.msdmanuals.com/en-nz/professional