



**Syllabus Discipline" Infectious Diseases"  
individual profile course of your choice: Surgery**

<b>1. General information</b>	
<b>Name of faculty</b>	medical
<b>Educational program</b> (industry, specialty, higher education level, form of education)	22 Healthcare, 222 Medicine, second (master's) level of higher education, full-time individual profile course of your choice: Surgery
academic year	2023-2024
<b>Discipline name, code</b> ( <i>email address on the site</i> <i>Danylo LNMU</i> <i>Galician</i> )	Infectious diseases SB 3.2.2.3 <a href="https://new.meduniv.lviv.ua/kafedry/kafedra-infektsijnyh-hvorob/">https://new.meduniv.lviv.ua/kafedry/kafedra-infektsijnyh-hvorob/</a>
Department ( <i>name, address, phone number, e-mail</i> )	Infectious diseases, Lviv, Pekarska Str., 54tel. +380(32) 2755406  E-mail: <a href="mailto:kaf_infect_diseases@meduniv.lviv.ua">kaf_infect_diseases@meduniv.lviv.ua</a>
Head of department ( <i>contact e-mail</i> )	Professor, MD, PhD Oleksandr Zinchuk, <a href="mailto:olz.email@gmail.com">olz.email@gmail.com</a>
Year of study ( <i>year on which the study of the discipline is implemented</i> )	<b>6</b>
Semester ( <i>semester in which the study of discipline is implemented</i> )	11/12
Discipline/Module Type ( <i>required/ selective</i> )	Custom
Teachers ( <i>names, surnames, scientific degrees and titles of teachers who teach discipline, contact email</i> )	Oleksandr Zinchuk, MD, Professor, <a href="mailto:Olz.email@gmail.com">Olz.email@gmail.com</a> . Oleksandr Gerasun, MD, PhD, Associate Professor, <a href="mailto:gerab@3g.ua">gerab@3g.ua</a> Andriy Zadorozhny, MD, PhD, Associate Professor, <a href="mailto:zadorozhnyi.andrij@gmail.com">zadorozhnyi.andrij@gmail.com</a> Oleksandr Adamovych, MD, PhD, Associate Professor <a href="mailto:sashaadamovych@gmail.com">sashaadamovych@gmail.com</a> , Olga Vorozhbyt, PhD, Associate Professor <a href="mailto:vorozhbyt.o@gmail.com">vorozhbyt.o@gmail.com</a> , Olena Zubach, MD, PhD, Assistant Professor <a href="mailto:dr_zubach@i.ua">dr_zubach@i.ua</a> , Igor Kiselyk PhD, Associate Professor <a href="mailto:kiselyk@gmail.com">kiselyk@gmail.com</a> , Nadezhda Prykuda, PhD, Assistant <a href="mailto:n.prykuda@gmail.com">n.prykuda@gmail.com</a> , Roman Hrytsko PhD, Assoc <a href="mailto:grj3@3g.ua">grj3@3g.ua</a> , Natalia Ivanchenko, Assistant <a href="mailto:timknat@ukr.net">timknat@ukr.net</a> , Svitlana Selvestr, Assistant <a href="mailto:lv090281ssp@gmail.com">lv090281ssp@gmail.com</a> , Olga Vovchyk, Assistant <a href="mailto:olhavovchyk@gmail.com">olhavovchyk@gmail.com</a> Iryna Ben, PhD, assent, <a href="mailto:Iryna_Ben@ukr.net">Iryna_Ben@ukr.net</a> , Tetiana Telegina, Assistant, <a href="mailto:telegina.tania@gmail.com">telegina.tania@gmail.com</a>
Erasmus yes/no ( <i>availability of discipline for students within erasmus+ program</i> )	No
Person in charge of silbus ( <i>person to whom comments should be made regarding the powerbus, contact e-mail</i> )	Andriy Zadorozhny, MD, PhD, Associate Professor, <a href="mailto:zadorozhnyi.andrij@gmail.com">zadorozhnyi.andrij@gmail.com</a>
Number of ECTS credits	<b>2</b>

Number of <i>hours (lectures / practical classes / independent work of students)</i>	total – 60 hours <i>Lectures - 0</i> <i>practical classes – 36 hours</i> <i>independent work - 24 hours</i>
Language of study	Ukrainian
Information about consultations	During semesters according to the schedule, from 16.00 to 18.00
Address, phone number and regulations of the clinical base, bureau... ( <i>if necessary</i> )	CNE LOICL IV, Vbranch, Pekarska str. 54 (24 hours); tel. +380(32) 2755406 CNE LOIC VII branch, Lysenko St., 45 (24 hours a day)

## 2. Short abstract to the course

Academic discipline " Infectiousdiseases" provides an opportunity for students of the School of Medicine in the 6th year of study to master the knowledge, skills and practical skills that provide an opportunity for a specialist to quickly and correctly orient themselves in situations in the presence of infectious pathology and other emergency conditions in patients, avoid fatal mistakes or time loss and take priority steps that will save aperson's life and / or become a good basis for its successful further treatment in the hospital. The assimilation of discipline is based on the knowledge gained by students in the process of studying biology, physiology, microbiology, epidemiology and other basic subjects. When mastering the discipline "Infectious diseases",it is rational to introduce modernworld developments and standards on the main issues of infectious diseases into the educational process.

## 3. The purpose and objectives of the course

1. The purpose of teaching the discipline " Infectious **diseases** " is the assimilation of theoretical and practical knowledge of etiology, epidemiology, pathogenesis, typical clinical manifestations, methods of diagnosis, treatment of infectious pathology.

2. The purpose of training – about the main tasks ofstudying the discipline " **Infectious** diseases " is the mastery of knowledge, skills and skills to ensure the adaptation of students to patients of infectious profile; ability to make a diagnosis, choose appropriate medical and diagnostic manipulations, provide emergency care to patients with infectious pathology

3. *Competences:*

-*integrated:* ability to solve complex problems and practical problems in the field of professional activity 22 "Healthcare", which involves the use ofcertain theoretical knowledge, skills, practical skills and methods of appropriate professional direction;

-*general:*

1. Ability to abstract thinking, analysis and synthesis.
2. Ability to learn and master modern knowledge.
3. Ability to apply knowledge in practical situations.
4. Knowledge and understanding of the subject area and understanding of professional activity.
5. Ability to adapt and act in a new situation.
6. Ability to make informed decisions
7. Ability to work as a team.
8. Interpersonal interaction skills.
9. The ability to communicate in the state language both orally and in writing;
10. Ability to communicate in a foreign language.
11. Skills of using information and communication technologies.
12. Certainty and perseverance regarding the tasks and responsibilities taken.
13. Ability to act socially responsibly and consciously.
14. Striving for environmental conservation
15. Ability to act on the basis of ethical considerations (motives).

-*special (professional, subject):*

1. Skills of patient survey and clinical examination.
2. Ability to determine the required list of laboratory and instrumental studies and assess their results.
3. Ability to establish a preliminary and clinical diagnosis of the disease.
5. Ability to determine the nature of nutrition in the treatment of diseases.
6. Ability to determine the principles and nature of treatment of diseases.
7. Ability to diagnose emergency conditions.
8. Ability to determine the tactics of emergency medical care.
9. Skills of emergency medical care
10. Skills of performing medical manipulations.
13. Ability to carry out sanitary, hygienic and preventive measures
14. Ability to plan and carry out preventive and anti-epidemic measures for infectious diseases.

15. Ability to determine the tactics of conducting persons subject to dispensary supervision
16. Ability to maintain medical records.
17. Ability to conduct an examination of performance
18. Ability to conduct epidemiological and medical-statistical studies of public health; processing of state, social, economic and medical information;
19. Ability to assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population
20. Ability to analyze the activities of a doctor, unit, health care institution, carry out measures to ensure the quality of medical care and increase the efficiency of the use of medical resources.
21. Ability to conduct activities to organize and integrate the provision of medical care to the population and marketing of medical services

**Learning outcomes:**

*Integrative final program learning outcomes, the formation of which is facilitated by discipline: apply knowledge in practical situations; perform experimental research and show skills on professional topics, adapt to new situations, work effectively both autonomously and as part of the team; responsibly treat the work done to achieve the goal; use information and communication technologies to solve various research and professional tasks; search for information in various sources to solve problems of the specialty, make informed decisions with the assessment of their consequences, show the ability to public, business and scientific communications; adhere to the code of professional ethics, moral norms and values, etiquette rules, understand the basic principles of labor protection and safety of life in the field of professional activity; ability to make a diagnosis, choose appropriate medical and diagnostic, to provide emergency care to patients with infectious pathology.*

*Results of training for the discipline: mastering the basic principles of organization of assistance to infectious patients, clinical laboratory and additional methods of diagnosis of infectious pathology; etiology, pathogenesis, clinic, diagnosis and methods of treatment of infectious diseases (within the curriculum); etiological, pathogenetic factors, clinical manifestations and diagnosis of emergency conditions; basic methods of general clinical examination of the patient (survey, examination, palpation, auscultation), determination of the scope of additional studies and analysis of the data obtained to establish a preliminary diagnosis; performing general medical manipulations (injections, gastric lavage, etc.); providing the necessary assistance in case of shock, coma, allergic reactions, asphyxia,*

**4. Prerequisites course**

**"Infectious diseases" as an academic discipline:**

- a) is based on students' study of medical and biological physics, morphological disciplines, microbiology, virology and immunology, physiology, pathophysiology, internal diseases, surgery, neurology, dermatology, epidemiology, ophthalmology, otolaryngology, endocrinology, clinical pharmacology, reanimatology, infectious diseases and integrates with these disciplines;
- b) aimed at deepening knowledge of infectious pathology, in particular opportunistic diseases that occur against the background of HIV infection
- c) promotes a deeper study of family medicine by students, which involves the integration of teaching with this discipline and the formation of the ability to apply knowledge of clinical parasitology, tropical medicine in the process of further education and in professional activities;
- c) promotes a broader understanding of the basics of a healthy lifestyle and prevention of impaired body functions in the process of life.

**5. Program learning outcomes**

**List of learning outcomes**

1. Be able to collect data on patient complaints, medical history, history of life, conduct and evaluate the results of physical examination.
2. Evaluate information about the diagnosis using a standard procedure based on the results of laboratory and instrumental studies.
3. Highlight the leading clinical symptom or syndrome. Establish the most likely or syndrome diagnosis of the disease. Prescribe laboratory and/or instrumental examination of the patient. Carry out differential diagnosis of diseases. Establish a preliminary and clinical diagnosis.
4. Determine the necessary mode of work and rest in the treatment of the disease.
5. Determine the necessary therapeutic nutrition in the treatment of the disease.
6. Determine the principles and nature of treatment of infectious diseases (within the curriculum).
7. Determine the tactics of emergency medical care on the basis of diagnosis, emergency.
8. Provide emergency medical care on the basis of a diagnosis of an emergency.
11. Perform medical manipulations.
12. To form among the assigned contingent of the population dispensary groups of patients; groups of healthy people subject to dispensary supervision.

13. Plan activities to prevent the spread of infectious diseases. Carry out detection and early diagnosis of infectious diseases; primary anti-epidemic measures in the center of infectious disease. Identify risk groups, risk areas, risk time, risk factors and carry out epidemiological analysis of infectious disease of the population.
14. To determine the tactics of examination and secondary prevention of patients subject to medical supervision; tactics of examination and primary prevention of healthy persons subject to medical supervision; calculate and prescribe the necessary food to children of the first year of life
15. Determine the presence and degree of restrictions on life, type, degree and duration of disability with the execution of relevant documents
16. Prepare an annual report on personal production activities; to keep medical documentation on the patient and the population contingent.
19. To investigate the scope and effectiveness of the activities of the doctor, unit, health care institution; identify defects in activities and the reasons for their formation. Carry out the selection and use unified clinical protocols for the provision of medical care, developed on the basis of evidence-based medicine; develop and use local protocols for the provision of medical care. Carry out quality control of medical care; determine the factors that impede the improvement of the quality and safety of medical care. To estimate the cost of medical services; justify the choice of an adequate method of financing (payment) and the choice of rational forms of organization of medical services. Apply methods of economic analysis when choosing methods of diagnosis, prevention, treatment, rehabilitation.
20. Organize the work of medical personnel; to form rational medical routes of patients; organize interactions with colleagues, organizations and institutions; to apply tools for promoting medical services.
21. To form goals and determine the structure of personal activity.
22. Follow a healthy lifestyle, use the techniques of self-regulation and self-control
23. To realize and be guided in their activities by civil rights, freedoms and responsibilities, to raise the general educational cultural level.
24. Comply with the requirements of ethics, bioethics and deontology in their professional activities.
25. To organize the necessary level of individual safety (own and persons of which cares) in case of typical dangerous situations in the individual field of activity.

Learning result code	Contents of the learning result	Matrix Code Reference competencies
<i>Code is created when filling a silbus (category: Knowledge, Um-skills, K-communication, AV – autonomy and responsibility)</i>	<i>The results of the study determine what the student should know, understand and be able to perform, after completing the study of the discipline. The results of the training come from the specified learning objectives. To enroll the discipline, it is necessary to confirm the achievement of each result of training.</i>	Symbol of the code of the Program result of studying in the Standard of higher education
<i>Zn-1</i>	Collect data on patient complaints, medical history, history of life, conduct and evaluate the results of physical examination.	PR-1

<p><i>Um-1</i></p> <p><i>Um-1.1</i></p> <p><i>Um-1.2</i></p> <p><i>Um-1.3</i></p> <p><i>Um-1.4</i></p> <p><i>Um-1.5</i></p> <p><i>Um-1.6</i></p> <p><i>Um-1.7</i></p> <p><i>Um-1.8</i></p>	<p>Collect data on patient complaints, medical history, history of life, under the conditions of a health care institution or at the place of stay of the patient</p> <p>Under any circumstances (in a health care facility or at the place of stay of the patient), using knowledge about the body, organs and systems, according to certain algorithms:</p> <ul style="list-style-type: none"> <li>• collect information about the general condition of the patient (consciousness, constitution) and appearance (examination of the skin, subcutaneous fat layer, palpation of the lymph nodes, thyroid and mammary glands);</li> <li>• evaluate the psychomotor and physical development of the patient; to examine the state of the cardiovascular system (examination and palpation of the heart and superficial vessels, determination of percutoric boundaries of the heart and blood vessels, auscultation of the heart and blood vessels); to examine the state of the respiratory system (examination of the chest and upper respiratory tract, palpation of the chest, percussion and auscultation of the lungs);</li> <li>• to examine the condition of the abdominal organs (examination of the abdomen, palpation and percussion of the intestines, stomach, liver, spleen, palpation of the pancreas, kidneys, pelvic organs, digital examination of the rectum);</li> <li>• to examine the condition of the musculoskeletal system (examination and palpation);</li> <li>• to examine the state of the nervous system;</li> <li>• to examine the state of the genitourinary system.</li> </ul>	<p>PR-1</p>
<p><i>K-1</i></p>	<p>Effectively formulate a communication strategy when communicating with the patient. Enter information about the patient's health status in the relevant medical documentation</p>	<p>PR-1</p>
<p><i>AV-1</i></p>	<p>Be responsible for the qualitative collection of the information received on the basis of an interview, examination survey, palpation, percussion of organs and systems, and for timely assessment of the state: human health and for taking appropriate measures</p>	<p>PR-1</p>
<p><i>Zn-2</i></p>	<p>Have specialized knowledge about the patient, its organs and systems, standard methods of laboratory and instrumental research (on the list 4).</p>	<p>PR-1, 2</p>
<p><i>Um-2</i></p> <p><i>Um-2.1</i></p>	<p>Be able to analyze the results of laboratory and instrumental studies and on their basis to evaluate information on the diagnosis of the patient (on the list 4)</p> <ul style="list-style-type: none"> <li>• Be able to identify and fix the leading clinical symptom or syndrome (on list 1) by making an informed decision using preliminary data of the patient's history, data from the physical examination of the patient, knowledge about the person, his organs and systems, following the relevant ethical and legal standards.</li> <li>• Be able to establish the most likely or syndrome diagnosis of the disease (on list 2) by making an</li> </ul>	<p>PR-1-3</p>

<i>Um-2.2</i>	informed decision, by affinity with standards, using preliminary data of the patient's history and patient review data, based on a leading clinical symptom or syndrome, using knowledge about the person, his organs and systems, following the relevant ethical and legal standards.	
<i>K-2</i>	To form and inform the patient and/or his parents (guardians), specialists conclusions about the necessary list of laboratory and instrumental studies (on the list 4).	PR-2
<i>AV-2</i>	Be responsible for deciding on the evaluation of laboratory and instrumental research results	PR-2
<i>Zn-3</i> <i>Zn-3.1</i> <i>Zn-3.2</i> <i>Zn-3.3</i> <i>Zn-3.4</i>	Have specialized knowledge about the patient, his organs and systems; knowledge of standard examination methods; algorithms for diagnosing diseases; algorithms for selecting leading symptoms or syndromes (on list 1); previous and clinical diagnoses (on list 2) knowledge of methods of laboratory and instrumental examination (on the list 3); knowledge of assessing the patient's condition.	PR-1-3
<i>Um-3</i>	Be able to establish the most likely or syndrome diagnosis of the disease (on list 2) by making an informed decision, by affinity with standards, using preliminary data of the patient's history and patient review data, based on a leading clinical symptom or syndrome, using knowledge about the person, his organs and systems, following the relevant ethical and legal standards	PR-1-3
<i>K-3</i>	On the basis of normative documents to keep medical documentation on the patient (card of outpatient / inpatient patient, etc.)	PR-1-3
<i>AV-3</i>	Following ethical and legal standards, be responsible for making informed decisions and actions regarding the correctness of the established preliminary clinical diagnosis of the disease	PR-1-3
<i>Zn-5</i>	Have specialized knowledge about algorithms and standard schemes for the purpose of nutrition - in the treatment of diseases (according to the list 2)	PR-5
<i>Um-5</i>	Be able to determine the nature of nutrition on the basis of a preliminary and clinical diagnosis, the nature of nutrition in the treatment of diseases (on the list 2)	PR-5
<i>K-5</i>	To form and inform the patient and/or his parents (guardians), specialists conclusions about nutrition - in the treatment of diseases (according to the list 2)	PR-5
<i>AV-5</i>	Be responsible for the validity of the definition of nutrition in the treatment of the disease (on the list 2)	PR-6
<i>Zn-6</i>	Have specialized knowledge of algorithms and standard disease treatment regimen (on list 2)	PR-3, 6
<i>Um-6</i> <i>Um-6.1</i> <i>Um-6.2</i> <i>Um-6.3</i>	Be able to determine the principles and nature of treatment of the disease (on the list 2) Be able to determine the nature of treatment of the disease (on the list of 2), in the conditions of the healthcare institution, at the patient's home and at the stages of medical evacuation, including in the field on the basis of a preliminary clinical diagnosis, using knowledge about a person, his organs and systems, observing the relevant ethical and	PR-3, 6

	legal standards, by making an informed decision according to existing algorithms and standard schemes.	
<i>K-6</i>	To form and communicate to the patient and/or his parents (guardians), specialists their own conclusions on the principles and nature of treatment (on the list 2)	PR-3, 6
<i>AV-6</i>	Be responsible for deciding on the principles and nature of treatment of the disease (on the list 2)	PR-3, 6
<i>Zn-7</i>	Have specialized knowledge about methods of human examination (at home, on the street, in a health care institution) in conditions of lack of information.	PR-3, 7
<i>Um-7</i>	Be able, in the conditions of lack of information, using standard methods, by making a reasoned decision to assess the patient's condition and determine the main clinical syndrome (or what is due to the severity of the condition of the victim/ victim) (on the list 3).	PR-3, 7
<i>K-7</i>	In all circumstances, observing the relevant ethical and legal standards, make an informed decision to assess the severity of the condition of the person, diagnosis and organization of the necessary medical measures depending on the patient's condition; fill in the relevant medical documents.	PR-3, 7
<i>AV-7</i>	Be responsible for the timeliness and effectiveness of medical measures for the diagnosis of emergency conditions.	PR-3, 7
<i>Zn-8</i>	To know the legislative framework for the provision of emergency medical care, in particular, the Law of Ukraine "On Emergency Medical Care". Have specialized knowledge about human emergency conditions; principles of emergency medical care.	PR-8
<i>Um-8</i>	Be able to provide emergency medical care in case of emergency (on the list 3); principles and tactics of emergency medical care; carry out organizational and diagnostic measures aimed at saving and saving a person's life.	PR-8
<i>K-8</i>	Explain the need and procedure for carrying out medical measures of emergency medical care.	PR-8
<i>AV-8</i>	Be responsible for the correctness of the determination of the emergency condition, the degree of its severity and tactics for the provision of emergency medical care.	PR-8
<i>Zn-9</i>	Have specialized knowledge about the structure of the human body, its organs and systems; algorithms for emergency medical care (on the list 3).	PR-8, 9
<i>Um-9</i>	Be able to provide emergency medical care in case of emergency (on the list 3).	PR-8, 9
<i>K-9</i>	Explain the need and procedure for carrying out medical measures of emergency medical care.	PR-8, 9
<i>AV-9</i>	Be responsible for the timeliness and quality of emergency medical care.	PR-8, 9
<i>Zn-11</i>	Have specialized knowledge about algorithms for performing medical manipulations (on the list 5).	PR-6-9
<i>Um-11</i>	Be able to perform medical manipulations (on the list 5).	PR-6-9
<i>K-11</i>	It is justified to form and bring to the patient, and/or his parents (guardians), specialists conclusions about the need for medical manipulations (on the list 5)	OL- 6-9
<i>AV-11</i>	Be responsible for the quality of medical manipulations (on the list 5)	PR-6-9

<i>Zn-14</i>  <i>Zn-14.1</i>  <i>Zn-14.2</i>	To know the principles and systems of planning and carrying out preventive and anti-epidemic measures on infectious diseases in typical conditions and in conditions of epidemic disadvantage on the basis of the results of the analysis, data of the examination of the center of infectious diseases. Know the methods of detection and early diagnosis of infectious diseases, the organization of primary anti-epidemic measures in the center of infectious diseases. Know preventive and anti-epidemic methods of organizing measures to prevent the spread of infectious diseases.	PR-13
<i>Um-14</i>  <i>Um-14.1</i>  <i>Um-14.2</i>	Be able, on the basis of epidemiological analysis, using preventive and anti-epidemic methods, to plan measures to prevent the spread of infectious diseases (on the list 2) Be able to carry out in the conditions of a health care institution, its subdivision: <ul style="list-style-type: none"> <li>• detection and early diagnosis of infectious diseases (on the list 2);</li> <li>• primary anti-epidemic measures in the center of infectious disease.</li> </ul> Be able to organize preventive and anti-epidemic measures for infectious diseases in a health care institution, among the assigned population and in centers of infectious diseases on the basis of epidemiological analysis by risk groups, risk territory, time and risk factors.	PR-13
<i>K-14</i>	Inform the population, heads of relevant institutions and enterprises about timely implementation of preventive and anti-epidemic measures, vaccinations, etc.	PR-13
<i>AV-14</i>	Be responsible for qualitative analysis of indicators of infectious disease of the population, timely implementation of appropriate preventive and anti-epidemic measures.	PR-13
<i>Zn-17</i>	To know the system of official document flow in the work of a doctor, including modern computer information technologies	PR-16, 19
<i>Um-17</i>  <i>Um-17.1</i>  <i>Um-17.2</i>  <i>Um-17.3</i>	Be able to determine the source and location of the necessary information depending on its type; Be able to process information and analyze the information received Be able to prepare an annual report on personal production activities using official accounting documents in a generalized form; Be able to keep medical documentation on the patient and the population contingent (outpatient/inpatient patient card, medical history, sanatorium-and-spa card, disability sheet, IEC documentation, etc.), using standard technology, on the basis of regulatory documents.	PR-16, 19
<i>K-17</i>	Receive the necessary information from a certain source and form appropriate conclusions on the basis of its analysis	PR-16, 19
<i>AV-17</i>	Be responsible for the completeness and quality of the analysis of information and conclusions based on its analysis.	PR-16, 19
<i>Zn-20</i>	Know the main indicators that characterize the activities of healthcare institutions / departments; medical and organizational factors affecting the	PR-16, 19-25



<i>Zn-20.1</i>	activities of the doctor of the unit, health care institution; quality characteristics of medical care; components of improving the quality of medical care; basic requirements for standardization of medical care. To know the effectiveness of various forms of organization of medical care;	
<i>Um-20</i>  <i>Um -20.1</i> <i>Um -20.2</i> <i>Um -20.3</i>	Be able to calculate the main indicators of the activities of the doctor, unit, health care institution and evaluate them in dynamics. Be able to detect defects in activities and the reasons for their formation. Be able to: • choose the appropriate unified clinical protocol for the provision of medical care, • to develop a general scheme of the local protocol for the provision of medical care; • calculate the indicators of the structure, process and results of activities;	PR-16, 19-25
<i>K-20</i>	Receive information from the relevant sources regarding the activities of the doctor, unit, health care institution, inform the relevant officials to ensure the conditions for the provision of high-quality and safe medical care. Formulate conclusions on the substantiation of the form of organization of medical care,	PR-16, 19-25
<i>AV-20</i>	Be responsible for the validity of decisions to improve the activities of the doctor, institution / health care unit; increasing the efficiency of the use of available resources of the unit, institution, health care system	PR-16, 19-25
<i>K-21</i>	Carry out activities on the organization and integration of medical care to the population and marketing of medical services	PR-25
<i>Um -21</i>	Be able to carry out activities on the organization and integration of medical care provision to the population and marketing of medical services	PR-25
<i>AV-21</i>	Be responsible for carrying out activities on the organization and integration of medical care provision to the population and marketing of medical services	PR-25

### 6. The format and scope of the course

Course format	Eye	
Type of classes	Number of hours	Number of groups
Lecture	-	
Practical	36	
Independent	24	

### 7. Subjects and content of the course

Type code	theme	Learning Content	Learning result code	Teacher
P-1	<b>Actual issues of diagnosis and treatment of infectious diseases with a predominance of fecal-oral transmission mechanism. Epidemiological, pathogenetic and clinical features of intestinal infectious diseases. Typhoid fever, paratyphosis A and B.</b>	Coverage of the general characteristics of infectious diseases with a predominance of the fecal-oral transmission mechanism. Epidemiological, pathogenetic and clinical features of intestinal	Zn-1, Um-1.1, Um-1.2, Um-1.4, Um-1.5, Um-1.7, Um-1.8, K-1, AV-1, Zn-2, Um-2 Zn-3, Um-3 Zn-4, Um-4 Zn-5,	Adamovich O.P. Vorozhbyt O.B. Hrytsko R.Y. Kieselik I.O. Zusbach O.O. Vovchuk O.I. Selvester S.P. Ivanchenko N.O.

	<p><b>Detection of infectious diseases among fevers of unknown origin. Diarrhea syndrome: etiology, pathogenesis, classification depending on the type of interaction between micro and macroorganism, clinical features, laboratory diagnostics. Food poisoning of microbial origin. escherichiosis, yersinyosis, cholera). Differential diagnosis of acute infectious and non-communicable diarrhea (poisoning with fungi, salts of heavy metals, exacerbation of chronic diseases of the digestive system, acute gynecological and surgical diseases). intoxication of microbial origin. Staphylococcus, botulism. Colitis. Intestinal infectious diseases with predominant lesions of the colon: shigelosis, amoebiasis. diagnosis of topical helminthiasis (ascariasis, enterobiosis, strongholdoidosis, trichinosis, toxocarosis, opistorchosis, fastsiolosis, teniarinchosis, teniosis). Viral hepatitis with enteral transmission (hepatitis A and E). Features of the course of hepatitis E in non-hememic zones. Treatment and prevention of intestinal infectious diseases.</b></p>	<p>infectious diseases Diagnostic methods and principles of treatment.</p>	<p>Um-5.1 Um-5.2, Zn-6, Um-6 Zn-7, Um-7 Zn-9, Um-6 9 Zn-10, Um-10.1, Um-10.2, Zn-11, Um-11.1 Zn-14, Um-14</p>	<p>N.M. Buy-in Telegina T.V. Ben I.I. Gerasun O.B.</p>
P-2	<p><b>Topical issues of diagnosis and treatment of infectious diseases with airborne transmission. Epidemiological, pathogenetic and clinical features of infectious diseases with airborne droplets transmission. Differential diagnosis of SARS (influenza, parainfic, rhinovirus, adenovirus, respiratory-syncytial disease). Features of seasonal and pandemic influenza in pregnant women and against the background of concomitant pathology (diabetes mellitus, obesity). Differential diagnosis of lesions of the oral and nasopharynx, salivary glands (diphtheria, streptococcal pharyngitis/sore throat, fuzospirohetosis, epidemic mumps). reference diagnostics of tonsillitis of various etiology. Treatment and prevention of infectious diseases with airborne droplets transmission.</b></p>	<p>Coverage of the general characteristics of infectious diseases with airborne transmission. Epidemiological, pathogenetic and clinical features of infectious diseases with airborne droplet transmission. Leading clinical symptoms of SARS, epidemiological and clinical and pathogenetic features.</p>	<p>Zn-1, Um-1.1, Um-1.2, Um-1.4, Um-1.5, Um-1.7, Um-1.8, K-1, AV-1, Zn-2, Um-2 Zn-3, Um-3 Zn-4, Um-4 Zn-5, Um-5.1 Um-5.2, Zn-6, Um-6 Zn-7, Um-7 Zn-9, Um-9 Zn-10, Um-10.1, Um-10.2, Zn-11, Um-11. 1 Zn-14, Um-14</p>	<p>Adamovich O.P. Vorozhbyt O.B. Hrytsko R.Y. Kieselik I.O. Zusbach O.O. Vovchuk O.I. Selvester S.P. Ivanchenko N.O. N.M. Buy-in Telegina T.V. Ben I.I. Gerasun O.B.</p>

	Immunoprophylaxis of seasonal and pandemic influenza, diphtheria. Clinical features of pediatric infectious diseases in adults.			
P-3	<b>Topical issues of diagnosis and treatment of neuroinfections. Meningeal syndrome in the clinic of infectious diseases. Differential diagnosis of serous and purulent meningitis. Topical issues of clinical and specific laboratory diagnosis of neuroinfection, assessment of informative methods. Differential diagnosis of meningitis (primary, secondary, viral, bacterial) and encephalitis of various etiology. Lymphological diagnosis of meningitis. Features of clinical course of neuroinfections against the background of immunodeficiency states. Polio: clinical forms, residual phenomena, diagnosis, treatment, prevention.</b>	The issues of etiology, epidemiology, pathogenesis, clinical manifestations of diseases of the central clinical hospital are studied. Leading clinical symptoms and variants of the course of these conditions.	Zn-1, Um-1.1, Um-1.2, Um-1.4, Um-1.5, Um-1.6, Um-1.7, Um-1.8, K-1, AV-1, Zn-2, Um-2 Zn-3, Um-3 Zn-5, Um-5.1 Um-5.2, Zn-6, Um-6 Zn-7, Um-7 Zn-9, Um-9 Zn-10, Um-10.1, Um-10.2, Zn-11, Um-11. 1 Zn-14, Um-14	Adamovich O.P. Vorozhbyt O.B. Hrytsko R.Y. Kieselik I.O. Zusbach O.O. Vovchuk O.I. Selvester S.P. Ivanenko N.O. N.M. Buy-in Telegina T.V. Ben I.I. Gerasun O.B.
P-4	<b>Topical issues of diagnosis and treatment of infectious diseases with predominance of transmission pathway. General characteristics of infectious diseases with a transmission mechanism of transmission. Differential diagnosis, specific laboratory diagnosis of malaria, leishmaniasis. Transmission diseases transmitted through tick bites: tick-borne encephalitis, Lyme borreliosis. Rickettsiosis (epidemic rash fever and Brill's disease. Ku-fever). Hemorrhagic fever (Omsk, Crimean GGNS). Ebola fever, Lassa. Yellow fever. Clinical features, differential diagnosis of plague. Infectious diseases regulated by international medical and sanitary rules 2005. Treatment and prevention of infectious diseases with transmission.</b>	Coverage of the general characteristics of infectious diseases with a predominance of the transmission route. General characteristics of infectious diseases with a transmission mechanism of transmission. Differential diagnosis, specific laboratory diagnosis of malaria, leishmaniasis.	Zn-1, Um-1.1, Um-1.2, Um-1.4, Um-1.5, Um-1.6, Um-1.7, Um-1.8, K-1, AV-1, Zn-2, Um-2 Zn-3, Um-3 Zn-5, Um-5.1 Um-5.2, Zn-6, Um-6 Zn-7, Um-7 Zn-9, Um-9 Zn-10, Um-10.1, Um-10.2, Zn-11, Um-11. 1 Zn-14, Um-14	Adamovich O.P. Vorozhbyt O.B. Hrytsko R.Y. Kieselik I.O. Zusbach O.O. Vovchuk O.I. Selvester S.P. Ivanenko N.O. N.M. Buy-in Telegina T.V. Ben I.I. Gerasun O.B.
P-5	<b>Topical issues of diagnosis and treatment of infectious diseases with predominance of the wound pathway of transmission. Viral hepatitis B, C and D. Early detection of viral hepatitis, role and use of diagnostic methods, assessment of their informativeness. Differential diagnosis of acute viral hepatitis</b>	Coverage of the general characteristics of infectious diseases with a predominance of the wound transmission pathway. Viral hepatitis B, C and D. Early detection of viral hepatitis, role and use of diagnostic methods, assessment of their informativeness. Differential	Zn-1, Um-1.1, Um-1.2, Um-1.4, Um-1.5, Um-1.6, Um-1.7, Um-1.8, K-1, AV-1, Zn-2, Um-2 Zn-3, Um-3 Zn-5, Um-5.1 Um-5.2, Zn-6, Um-6	Adamovich O.P. Vorozhbyt O.B. Hrytsko R.Y. Kieselik I.O. Zusbach O.O. Vovchuk O.I. Selvester S.P. Ivanenko N.O. N.M. Buy-in Telegina T.V.

	<p>with other liver diseases (medical, toxic hepatitis, alcoholic liver disease, nonalcoholic steatohepatitis, cholespathic jaundice, over-the-top jaundice, hepatosis of pregnant women). yersiniosis, infectious mononucleosis, parasitic liver damage). Social aspects of the spread of chronic viral hepatitis. Differential diagnosis, specific diagnosis of chronic viral hepatitis. Indications and contraindications, antiviral therapy algorithm. agnostics of HIV infection. Deontological aspects of HIV infection, educational work. Principles and approaches to treatment of HIV patients. General characteristics of groups of medicines used in the treatment of HIV infection. Leading HIV-indicator infections, including mycobacterial, are the main features of their treatment. Prevention of HIV infection, prevention of mother-to-child transmission, social and psychological support for people living with HIV. Universal safety measures and organization of the doctor's work in order to prevent infection with HIV infection of health workers. Emergency measures in case of entamine with contagious material in the workplace. Besiga (diagnosis, clinical forms, treatment and prevention). Rabies, tetanus (diagnosis, differential diagnosis, emergency prevention, treatment. Immunoprophylaxis).</p>	<p>diagnosis of acute viral hepatitis.</p>	<p>Zn-7, Um-7 Zn-9, Um-9 Zn-10, Um-10.1, Um-10.2, Zn-11, Um-11. 1 Zn-14, Um-14</p>	<p>Ben I.I. Gerasun O.B.</p>
P-6	<p><b>Emergency care for patients with infectious diseases.</b> Organization and carrying out of emergency care and intensive care Basic clinical and pathogenetic syndromes and methods of intensive care. Hypovolemic shock. Intestinal bleeding. Swelling of the brain. Differential diagnosis of coma. Respiratory, cardiovascular insufficiency, pulmonary edema. Liver failure. Features of diagnosis and treatment of fulminant forms of viral hepatitis. Hepatorenal syndrome. Renal failure.</p>	<p>Coverage of the general characteristics of emergency conditions. Basic clinical and pathogenetic syndromes and methods of intensive care.</p>	<p>Zn-1, Um-1.1, Um-1.2, Um-1.4, Um-1.5, Um-1.6, Um-1.7, Um-1.8, K-1, AV-1, Zn-2, Um-2 Zn-3, Um-3 Zn-5, Um-5.1 Um-5.2, Zn-6, Um-6 Zn-7, Um-7 Zn-9, Um-9 Zn-10, Um-10.1, Um-10.2, Zn-11, Um-11. 1 Zn-14, Um-14</p>	<p>Adamovich O.P. Vorozhbyt O.B. Hrytsko R.Y. Kieselik I.O. Zusbach O.O. Vovchyk O.I. Selvester S.P. Ivanchenko N.O. N.M. Buy-in Telegina T.V. Ben I.I. Gerasun O.B.</p>

SRS-1	Preparation for practical classes, theoretical training and processing of practical skills.		Zn-1, Um-1, K-1 Zn-2, Um-2 K-1 Zn-3, Um-3 K-3 Zn-5, Um-5.1, Um-5.2, Zn-6, Um-6. Zn-7, Um-7. Zn-8, Um-8. Zn-9, Um-9. Zn-11, Um-11. 1, Um-11.3 Zn-17, Um-17	Adamovich O.P. Vorozhbyt O.B. Hrytsko R.Y. Kieselik I.O. Zusbach O.O. Vovchuk O.I. Selvester S.P. Ivanchenko N.O. N.M. Buy-in Telegina T.V. Ben I.I. Gerasun O.B.
SRS-2	Individual work: 1. Make an algorithm for examination of a patient with generalized candidosis 2. Make a table of differential diagnosis of diseases with polyimadenopathy and hepatolienal syndrome 3. Make a table of differential diagnosis of fevers with skin lesions 4. Make a table of differential diagnosis of diseases with brain damage		Zn-1, Um-1, K-1 Zn-2, Um-2 K-1 Zn-3, Um-3 K-3 Zn-5, Um-5.1, Um-5.2, Zn-6, Um-6. Zn-7, Um-7. Zn-8, Um-8. Zn-9, Um-9. Zn-11, Um-11. 1, Um-11.3 Zn-17, Um-17	Adamovich O.P. Vorozhbyt O.B. Hrytsko R.Y. Kieselik I.O. Zusbach O.O. Vovchuk O.I. Selvester S.P. Ivanchenko N.O. N.M. Buy-in Telegina T.V. Ben I.I. Gerasun O.B.

*It is necessary to present a system of organization of classes, the use of interactive methods, educational technologies used to transfer and learn knowledge, skills and abilities.*

## 8. Verification of training results

### Current control

Learning result code	Type code	Method of verification of learning results	Enrollment criteria
Zn-1, Um-1.1, Um-1.2, Um-1.5, Um-1.7, Um-1.8, K-1, AV-1, Zn-2, Um-2 Zn-3, Um-3 Zn-4, Um-4 Zn-5, Um-5.1, Um-5.2 Zn-6, Um-6 Zn-7, Um-7 Zn-9, Um-9 Zn-10, Um-10.1 Zn-11, Um-11. 1 Zn-14, Um-14	P-1 P-2 P-3 P-4 P-5 P-6	<p><b>Practice sessions</b> are clinical, aimed at controlling the assimilation of theoretical material and the formation of practical skills, as well as the ability to analyze and apply the acquired knowledge to solve practical problems, held in the departments of clinical bases of the department. Each lesson begins with a test control in order to assess the initial level of knowledge and determine the degree of students' readiness for classes.</p> <p>The main stage of the lesson is the practical work of the student at the patient's bedside. The teacher and students bypass the sick. Students examine patients, collect history, examine them, perform diagnostic manipulations, etc. Control of the main stage of the lesson is carried out by evaluating the student's practical skills, the ability to solve typical situational problems. The teacher discusses and gives explanations, emphasizes the peculiarities of the course of the disease in a particular patient,</p>	<p>Evaluation criteria</p> <p>The <b>rating is "excellent"</b> - is set in the case when the student correctly answered 90-100% of the A-format tests (from the database "Step2"), when the student correctly and fully completed his homework; during the survey gives comprehensively accurate and clear answers without any questions; teaches the material without errors and inaccuracies; demonstrates the fluency of practical skills (on the mules and / or near the patient's bed), the ability to analyze and apply the results obtained during the examination of the patient to solve practical problems.</p> <p>The <b>"good"</b> score is set on the condition that the student correctly answered 70-89% of the A-format tests (from the "Krok-2" database); when surveying the answer to the question teaches correctly, consistently, but they are not exhaustive, the student answers additional questions without significant mistakes; has practical skills (on the mules and / or near the</p>

	<p>emphasizes the more rational conduct of a particular examination method, etc. In addition, practical classes include: - planning of examination of the patient; - interpretation of laboratory and instrumental research data; - differential diagnosis of the most common diseases with a typical or complicated course; - determination of the preliminary clinical diagnosis; - definition of therapeutic tactics; - purpose of medical nutrition; - provision of emergency medical care; - solution of situational problems; - working out practical skills on the mules and at the patient's bedside; maintenance of medical documentation.</p> <p>At the final stage of the lesson to assess the student's assimilation of the topic, he is invited to answer situational problems. The teacher summarizes the lesson, gives students tasks for independent work, points to the nodal issues of the following topic and offers a list of recommended literature for self-study. The duration of one practical session of the topic and taking into account the standards of the weekly classroom load is 6,0 academic hours.</p>	<p>patient's bed); with certain inaccuracies analyzes and applies the results obtained during the examination of the patient to solve practical problems; correctly determines the clinical diagnosis in the typical course of the disease; correctly, but not in full conducts differential diagnostics; prescribes the correct treatment in general, but can make individual insignificant mistakes that are corrected independently; demonstrates good knowledge and skills in emergency care; with certain inaccuracies solves the situational problem.</p> <p>The <b>assessment is "satisfactory"</b> for the student, if the student correctly answered 50-69% of the A-format tests (from the "Step2" database). is able to perform basic practical tasks (on the mules and / or near the patient's bedside) only after the relevant comments and the help of the teacher; with separate errors analyzes and applies the obtained results to solve practical problems; determines the clinical diagnosis in the typical course of the disease; admits some errors in the conduct of differential diagnosis; prescribes in general correct, but not complete treatment and / or with insignificant errors;</p> <p>The <b>assessment is "unsatisfactory"</b> is set in cases where - the student correctly answered only 50% of the tests format A. The student can work out the missed topics or put them on a positive assessment of the teacher during his consultations (individual work with students) no more than 3 times during the study of the module, thereby gaining the number of points not less than the minimum to be admitted to the final modular control.</p>
	<p>During the assessment of the assimilation of each topic for the current educational activity, the student is assessed according to the 4-point (national). At the same time, all types of work provided for by the discipline program are taken into account. The student must receive an assessment on each topic for further conversion of grades into scores on a multi-point (200-point) scale. All types of work provided for by the curriculum are taken into account. Theoretical knowledge: – testing written – individual survey, interview – written works structured in content. Practical skills and abilities: – control of the implementation of standardized by the method of conducting practical skills provided for by the plan of practical</p>	

	<p>training of a student in the discipline; – analysis of laboratory and instrumental studies; – performing medical manipulations. The student should receive an assessment on each topic. Forms of evaluation of current educational activities should be standardized and include control of theoretical and practical training. In all practical classes: The student answers 10 tests (tests on the topic of the lesson, format A) Answers standardized questions, the knowledge of which is necessary to understand the current topic. Demonstrates the knowledge and skills of practical skills at the patient's bedside Solves a situational problem on the topic of the lesson <b>The independent work</b> of students, which is envisaged in the topic along with the classroom, is evaluated during the current control of the topic in the relevant classroom.</p>	
<b>Final control</b>		
General Rating System	Participation in work during the semester on a 200-point scale	
Rating Scales	Traditional 4-on-base scale, multi-base (200-global) scale, ECTS rating scale	
<b>Test evaluation criteria</b>		
Semester scoring	<p>this is a form of final control, which consists in assessing the assimilation of educational material by a student solely on the basis of the results of certain types of work in practical, seminar or laboratory classes. Semester test in disciplines is carried out after its completion, before the beginning of the examination session. All topics submitted for current control must be counted. Grades from the 4-point scale are converted into scores on a multi-point (200-point) scale in accordance with the Regulation "Criteria, rules and procedures for evaluating the results of students' learning activities"</p>	<p>The maximum number of points is 200. The minimum number of points is 120.</p>
<p>The maximum number of points a student can score for current academic activity in the study of discipline is 200 points. The minimum number of points that a student must score for current academic activity for enrollment of the discipline is 120 points</p>		
<p><b>The calculation of the number of points is carried out on the basis of the grades received by</b> the student on a 4-point (national) scale during the study of the discipline, by calculating the arithmetic average (CA), rounded to two decimal places.</p> $x = \frac{CA \times 120}{5}$		
<p>Discipline points are independently converted both to the ECTS scale and to the 4-point (national) scale. ECTS scores on a 4-point scale are not converted and vice versa Ranking with the assignment of grades "A", "B", "C", "D", "E" is carried out for students of this course, who study in one specialty and have successfully completed the study of the discipline. Students who receive FX, F ("2" grades) are not listed as ranked students. Students rated FX after lating automatically receive an "E" score. Discipline points for students who have successfully completed the program are converted to the traditional 4-point scale according to the absolute criteria shown below in the table: Points in the discipline Score on a 4-point scale</p>		

From 170 to 200 points 5

From 140 to 169 points 4

From 139 points to the minimum number of points that a student must score 3

Below the minimum number of points that a student must score 2

The ECTS score is not converted to the traditional scale because the ECTS scale and the four-score scale are independent. The objectivity of assessing students' educational activities is checked by statistical methods (correlation coefficient between ECTS assessment and national scale assessment).

### 9. Course Policy

The policy of academic discipline is determined by the system of requirements for the student in the study of the discipline "Infectious diseases" and is based on the principles of academic integrity. Students are explained the value of acquiring new knowledge, academic norms that must be observed, why they are important, what is academic integrity, what are its values and functions, how students can join its development by their actions; explain the essence, features and reasons for the inadmissibility of academic plagiarism, encourage higher education applicants to perform educational tasks on their own, correctly call on sources of information in case of borrowing ideas, statements, information.

The policy of academic discipline is: mandatory observance of academic integrity by students, namely:

- self-fulfillment of all types of hobbies, tasks, forms of control provided for by the working program of this academic discipline;

- references to sources of information in case of using ideas, developments, statements, information;

- compliance with the rules of copyright law and copyright rights;

- providing reliable information about the results of their own educational (scientific) activities, methods of research and sources of information. adherence to the principles and norms of ethics and deontology by higher education applicants:

- actions in professional and educational situations from the standpoint of academic integrity and professional ethics and deontology;

- compliance with the internal regulations of the clinical base of the department, to be tolerant, friendly and balanced in communication with students and teachers, patients, medical staff of health care institutions;

- awareness of the significance of examples of human behavior in accordance with the norms of academic integrity and medical ethics.

attending classes by higher education applicants:

- presence in all classes is mandatory for the purpose of current and final assessment of knowledge (except for a valid reason).

laying out the topics and working out the missed classes by students of higher education:

- the work of missed classes takes place according to the working out schedule

- laying out the topic of the lesson, for which the student received a negative assessment, is carried out at a time convenient for the teacher and the student outside the classroom, the maximum assessment - "good"

- latching the topic during the current training and final control in order to increase the assessment is not allowed

### 10. Literature

#### Mandatory

Infectious diseases. Textbook for students of higher medical educational institutions of IV accreditation level / Holubovska O.A., Gerasun B.A., Zinchuk O.M. and others / For ed. O.A. Holubovska. – K.: VSV "Medicine", 2018. – 688 p.

Atlas of Infectious Diseases [M.A. Andreychin, V.S. Kopcha, S.O. Kramarev, etc.]; per ed. M.A. Andreychyna — 3rd form. and reported — Lviv: Magnolia, 2019.— 296 p.

Infectious diseases : textbook : in 2 tons / per edit. V.P. Small, M.A. Andreychyna. – Lviv: Magnolia 2006, 2018. – T. 1. – 718 p.; T. 2. - 726 s

Vozianova Zh.I. Infectious and parasitic diseases. – Kyiv: "Health", 2008–T.1.–854 p.

Vozianova J.I. Infectious and parasitic diseases.–Kyiv:"Health", 2008–T.2.–656 p.

Vozianova Zh.I. Infectious and parasitic diseases. – Kyiv: "Health", 2002.–T.3.–902 p.

Infectious diseases /edit. Titova M.B.–Kyiv: "High School", 1995–566 p.

#### Additional

Katherine H. West. Infectious Disease Handbook for Emergency Care Personnel, Third Edition 3rd Edition. 2016

Dennis L. Kasper, Anthony S. Fauci. Harrison's Infectious Diseases, Third Edition. 2016

Judith A. Aberg, Morton P. Goldman, Larry D., Ph.D. Gray. Infectious Diseases Handbook: Including Antimicrobial Therapy & Diagnostic Tests/Procedures -- 6th Edition (Diagnostic Medicine Series). 2005.

Atlas of Infectious Diseases [M.A. Andreychin, V.S. Kopcha, S.O. Kramarev, etc.]; per ed. M.A. Andreychyna — 3rd form. and reported — Lviv: Magnolia, 2019.— 296 p.

Basics of treatment of infectious diseases/O.P.Adamovych, O.B.Vorozhbyt, O.B.Gerasun and others // – Lviv: LNMU, 2015. – 124 p.



Recognition and diagnosis of infectious diseases/Manual for English-speaking students of medical universities. M. Kryzhanska, O. Zubach, O.Vorozhbyt // – Lviv: LNMU, 2018. – 95 p.

11. Equipment, material, technical and software discipline / course

Teaching discipline is provided by methodological developments, clear means of training (presentations, educational films), information resource of the department.

Teaching of the discipline in practical classes is provided by methodological developments, the topics of independent and individual tasks, clear means of training (presentations, educational films and other means for practicing practical skills), information resource of the department, algorithms for the implementation of practical skills and structured algorithms for controlling skills. Independent and individual work in the study of academic discipline is provided by methodological developments on the independent work of students.

## **12. Additional information**

Site of the Department of Infectious Diseases - <http://infectio.lviv.ua>

Page of the Department of Infectious Diseases on the website of LNMU - <https://new.meduniv.lviv.ua/kafedry/kafedra-infektsijnyh-hvorob/>

Danylo Halytskyi, a student scientific group on infectious diseases of LNMU, [is a https://new.meduniv.lviv.ua/kafedry/kafedra-infektsijnyh-hvorob/](https://new.meduniv.lviv.ua/kafedry/kafedra-infektsijnyh-hvorob/)

Sylabusa Sylabusa A.M., MD, PhD, Associate Professor (Signature)

Head of the Department Zinchuk O.M., MD, PhD, Professor (Signature)