

MINISTRY OF HEALTH OF UKRAINE  
BUKOVINIAN STATE MEDICAL UNIVERSITY

"APPROVE"

Vice-rector for scientific and pedagogical work  
Associate Professor I.V. Gerush  
" 08 " \_\_\_\_\_ 2021

STUDENT GUIDE  
(SYLLABUS)  
of studying the discipline  
"Infectious diseases and TB"

Area of knowledge 22 Healthcare

Specialty 222 «Medicine»

Educational degree Master

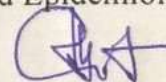
Training course 6

Form of study full-time

Department of Infectious Diseases and Epidemiology

Approved at the methodical meeting of the Department of Infectious Diseases and Epidemiology, " 01 " 08 2021 (minutes № 1).

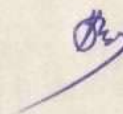
Head of the Department of Infectious Diseases and Epidemiology,  
Professor



Moskaliuk V.D.

Approved by the subject methodical commission on disciplines of therapeutic profile  
" 01 " 08 2021 (protocol № 2).

Chairman of the subject methodical  
Commission, Professor



Tashchuk V.K.

## 1. GENERAL INFORMATION ABOUT SCIENTIFIC AND PEDAGOGICAL WORKERS, WHO TEACH THE COURSE

<b>Department</b>	Department of Infectious Diseases and Epidemiology
<b>Full name of scientific and pedagogical workers, position, scientific degree, academic title, e-mail</b>	Moskaliuk Vasyl Deoniziovych - Professor of the Department, MD, Professor, vmoskaliuk@ukr.net; Randiuk Yuriy Oleksandrovych, Candidate of Medical Sciences, Associate Professor, randuk912@gmail.com; Davydenko Oksana Mykolayvna, Candidate of Medical Sciences, Associate Professor, davydo@bsmu.edu.ua; Myronyk Olena Volodymyrivna, Candidate of Medical Sciences, Associate Professor, mironik.olena@bsmu.edu.ua; Sorokhan Vasyl Denysovych, Candidate of Medical Sciences, Associate Professor, sorohan.vasyl@bsmu.edu.ua; Sydorhuk Anyuta Stepanivna, Candidate of Medical Sciences, Associate Professor, sidorchuk@bsmu.edu.ua; Melenko Svitlana Romanivna, Candidate of Medical Sciences, Associate Professor, ladymc84@gmail.com; Golyar Oksana Ivanivna, Candidate of Medical Sciences, Associate Professor, holyar.oksana@gmail.com; Sokolenko Maxim Olexandrovych, Candidate of Medical Sciences, Assistant, sokolenko_maks@bsmu.edu.ua; Pudyak Khrystyna Ihorivna, Candidate of Medical Sciences, Assistant, tinaua88@gmail.com; Andrushchak Margaryta Oleksandrivna, Candidate of Medical Sciences, Assistant, r_andrushak@bsmu.edu.ua; Balaniuk Iryna Volodymyrivna, Candidate of Medical Sciences, Assistant, balanyk85@gmail.com; Bogachyk Nonna Anatoliyvna, Candidate of Medical Sciences, Assistant Rudan Ivanna Vasylivna, assistant Boyko Yuliya Ihorivna, assistant, yu.boiko@bsmu.edu.ua; Kolotylo Tetyana Romanivna, assistant, taniakolotylo15@gmail.com;
<b>Web page of the department on the official website of the university</b>	<a href="https://www.bsmu.edu.ua/infektsiynih-hvorob-ta-epidemiologiyi/">https://www.bsmu.edu.ua/infektsiynih-hvorob-ta-epidemiologiyi/</a>
<b>Department website</b>	<a href="http://infection.bsmu.edu.ua/">http://infection.bsmu.edu.ua/</a>
<b>E-mail</b>	infection@bsmu.edu.ua
<b>Address</b>	137 Holovna street, Chernivtsi
<b>Contact phone</b>	+38 (0372) 53-89-96

<b>Department</b>	Tuberculosis and pulmonology
<b>Full name of scientific and pedagogical workers, position, scientific degree, academic title, e-mail</b>	Todoriko Lilia Dmytrivna - Head of the Department, Doctor of Medical Sciences, Professor, l_d_todoriko@bsmu.edu.ua; Slyvka Viktor Ivanovych - Candidate of Medical Sciences, Associate Professor, pulmonology@bsmu.edu.ua;

	Semyaniv Ihor Oleksandrovych - Candidate of Medical Sciences, Associate Professor, igor_semianiv@bsmu.edu.ua; Yeremenchuk Inga Vasylivna - Candidate of Medical Sciences, Associate Professor, ingae@bsmu.edu.ua; Pidverbetska Olena Valeriivna - Candidate of Medical Sciences, Associate Professor, pidverbetska@bsmu.edu.ua.
<b>Web page of the department on the official website of the university</b>	<a href="https://www.bsmu.edu.ua/ftiziatryyi-ta-pulmonologiyi/">https://www.bsmu.edu.ua/ftiziatryyi-ta-pulmonologiyi/</a>
<b>Department website</b>	<a href="http://kfp.bsmu.edu.ua/">http://kfp.bsmu.edu.ua/</a>
<b>E-mail</b>	<a href="mailto:pulmonology@bsmu.edu.ua">pulmonology@bsmu.edu.ua</a>
<b>Address</b>	Chernivtsi, 18 I. Bohun street
<b>Contact phone</b>	(0372) 55-53-80

## 2. GENERAL INFORMATION ABOUT THE COURSE

Discipline status	normative
Number of credits	1
Total quantity of hours	90
Lectures	-
Practical sessions	50
Independent work	40
Type of final control	Final module control

## 3. DESCRIPTION OF THE COURSE (ABSTRACT)

The subject of the discipline "Infectious Diseases and TB" occupies an important place given the high prevalence of infectious pathology, the need for future physicians to form clinical thinking, skills and practical skills that provide timely diagnosis of infectious diseases and their complications, rational treatment, selection of optimal tactics in case of emergency assistance. Particular attention in the teaching of the discipline is paid to early diagnosis, treatment of patients in the prehospital stage, which helps to improve the quality of medical training.

## 4. POLICY OF THE COURSE

### 4.1. List of normative documents:

- Regulations on the organization of the educational process (<https://www.bsmu.edu.ua/wp-content/uploads/2020/03/polozhennya-pro-organizacziyu-osvitnogo-proczesu-u-vdnzu-bukovinskij-derzhavnij-medichnij-universitet.pdf>);
- Instructions for assessing the educational activities of BSMU students in the implementation of the European credit transfer system for the organization of the educational process (<https://www.bsmu.edu.ua/wp-content/uploads/2020/03/bdmu-instrukczyia-shhodo-oczinyuvannya-%D1%94kts-2014-3.pdf>);
- Regulations on the procedure for working off missed and uncredited classes (<https://www.bsmu.edu.ua/wp-content/uploads/2019/12/reworks.pdf>);
- Regulations on the appeal of the results of the final control of knowledge of applicants for higher education (<https://www.bsmu.edu.ua/wp-content/uploads/2020/07/polozhennya-pro-apelyacziyu-rezultativ-pidsumkovogo-kontrolyu-znan.pdf>);

- Code of Academic Integrity ([https://www.bsmu.edu.ua/wp-content/uploads/2019/12/kodeks\\_academic\\_faith.pdf](https://www.bsmu.edu.ua/wp-content/uploads/2019/12/kodeks_academic_faith.pdf));
- Moral and ethical code of students ([https://www.bsmu.edu.ua/wp-content/uploads/2019/12/ethics\\_code.docx](https://www.bsmu.edu.ua/wp-content/uploads/2019/12/ethics_code.docx));
- Regulations on the prevention and detection of academic plagiarism (<https://www.bsmu.edu.ua/wp-content/uploads/2019/12/antiplagiat-1.pdf>);
- Regulations on the procedure and conditions for students to choose elective courses ([https://www.bsmu.edu.ua/wp-content/uploads/2020/04/nakaz\\_polozhennyz\\_vybirkovi\\_dyscopyliny\\_2020.pdf](https://www.bsmu.edu.ua/wp-content/uploads/2020/04/nakaz_polozhennyz_vybirkovi_dyscopyliny_2020.pdf));
- Rules of internal labor regulations of the Higher State Educational Institution of Ukraine "Bukovynian State Medical University" (<https://www.bsmu.edu.ua/wp-content/uploads/2020/03/17.1-bdmu-kolektivnij-dogovir-dodatok.doc>).

**4.2. Policy on adherence to the principles of academic integrity of higher education students:**

- independent performance of educational tasks of current and final controls without the use of external sources of information;
- write-offs during knowledge control are prohibited;
- independent performance of individual tasks and correct registration of references to sources of information in case of borrowing of ideas, statements, information.

**4.3. Policy on adherence to the principles and norms of ethics and deontology by higher education students:**

- actions in professional and educational situations from the standpoint of academic integrity and professional ethics and deontology;
- compliance with the rules of internal regulations of the university, to be tolerant, friendly and balanced in communication with students and teachers, medical staff of health care institutions;
- awareness of the importance of examples of human behavior in accordance with the norms of academic integrity and medical ethics.

**4.4. Attendance policy for higher education students:**

- Attendance at all training sessions (lectures, practical (seminar) classes, final modular control) is mandatory for the purpose of current and final assessment of knowledge (except for good reasons).

**4.5. Deadline policy and completion of missed or uncredited classes by higher education students:**

- missed classes are held according to the schedule of missed or uncredited classes and consultations.

**5. PRECISIONS AND POST-REQUIREMENTS OF THE EDUCATIONAL DISCIPLINE (INTERDISCIPLINARY RELATIONS)**

List of disciplines, on which the study is based academic discipline	List of disciplines, for which the basis is laid as a result of studying the discipline
human anatomy and physiology	Internal medicine
medical biology	
microbiology with the basics of immunology	
pathological physiology	

**6. PURPOSE AND TASKS OF THE COURSE:**

**6.1.** The purpose of studying the discipline "Infectious Diseases and TB" is - the formation of future doctors' clinical thinking, skills and practical skills that provide timely diagnosis of infectious diseases and their complications, rational treatment, selection of optimal tactics in case of emergency care.

## **6.2. The main tasks are:**

- knowledge of the leading symptoms and syndromes in the most common infectious diseases;
- mastering the tactics of management of patients with the most common infectious diseases;
- ability to interpret the results of laboratory (general clinical, biochemical, bacteriological, virological, serological) and instrumental research methods (duodenal sounding, X-ray examinations, ultrasound, CT, MRI, etc.) in patients with the most common infectious diseases;

## **7. COMPETENCES, THE FORMATION OF WHICH IS CONTRIBUTED BY THE COURSE:**

**7.1. Integral competence:** the ability to solve typical and complex specialized problems and practical problems in professional activities in the field of health care, or in the learning process, which involves research and / or innovation and is characterized by complexity and uncertainty of conditions and requirements

**7.2. General competencies:** ability to apply knowledge in practical situations; ability to abstract thinking, analysis and synthesis, to learn and be modernly trained; knowledge and understanding of the subject area and understanding of the profession.

**7.3. Professional (special) competencies:** skills of interviewing and clinical examination of the patient; ability to determine the necessary list of laboratory and instrumental studies and evaluate their results; ability to establish a syndromic diagnosis of the disease; ability to diagnose emergencies; emergency medical care skills; skills of performing medical manipulations; ability to keep medical records; ability to carry out sanitary and hygienic and preventive measures; ability to provide the necessary mode of stay of the patient in a hospital at treatment of diseases.

## **8. LEARNING OUTCOMES.**

As a result of studying the discipline the applicant must:

### **8.1. Know:**

- leading symptoms and syndromes in the most common infectious diseases;
- tactics of management of patients with the most widespread infectious diseases;
- interpretation of laboratory results (general clinical, biochemical, bacteriological, virological, serological) and instrumental research methods (duodenal sounding, X-ray examinations, ultrasound, CT, MRI, etc.) in patients with the most common infectious diseases;

### **8.2. Be able to:**

- to determine the leading symptoms and syndromes in the most common infectious diseases;
- to determine the tactics of dental patients with the most common infectious diseases;
- to interpret the patterns and features of the pathological and epidemic process in infectious diseases that require special tactics of patient management;
- to demonstrate mastery of moral and deontological principles of professional subordination in the provision of medical care to infectious patients;
- demonstrate awareness of infectious diseases as weapons of mass destruction;
- to diagnose and provide emergency care in emergencies that complicate the course of infectious diseases, at the pre-hospital stage.

### **8.3. Demonstrate:**

- possession of moral and deontological principles of a medical specialist and the principles of professional subordination in the clinic of infectious diseases.
- conducting a survey and physical examination of patients and analyze their results in the clinic of infectious diseases.
- drawing up a plan for examination of the patient in the typical course of the most common infectious diseases.

- analysis of the results of basic laboratory and instrumental research methods.
- identification of the leading symptoms and syndromes in the clinic of infectious diseases.
- the ability to methodically accurately present the results of the patient's examination in the form of a medical history with a justification for the syndrome diagnosis.
- the use of Greek-Latin medical terms in the practice of a specialist.
- Possession of skills of the organization of a mode of stay of patients in department of an infectious profile.

## **9. INFORMATION SCOPE OF THE COURSE**

### **9.1. Specific objectives of the study of content modules**

- identify the leading symptoms and syndromes in the most common infectious diseases with parenteral and wound transmission mechanisms and diseases regulated by the International Sanitary Rules;
- make a preliminary diagnosis of the most common infectious diseases with parenteral and wound transmission mechanisms and diseases regulated by the International Sanitary Rules;
- to determine the tactics of management of patients with the most common infectious diseases with parenteral and wound transmission mechanisms and diseases regulated by the International Sanitary Rules;
- interpret the results of laboratory (general clinical, biochemical, bacteriological, virological, serological) and instrumental research methods (duodenal sounding, radiological examinations, ultrasound, CT, MRI, etc.) in patients with the most common infectious diseases with parenteral and wound transmission mechanisms and diseases regulated by the International Sanitary Regulations;
- diagnose and provide emergency care in emergencies that complicate the course of the most common infectious diseases with parenteral and wound transmission mechanisms and diseases regulated by International Sanitary Regulations, at the pre-hospital stage: infectious-toxic, dehydration, anaphylactic shock, acute diarrhea cerebral edema;
- perform medical manipulations: wash the stomach and intestines, perform injections of drugs (intramuscular, subcutaneous, intravenous injection and drip), measure blood pressure, perform artificial respiration, indirect heart massage.

### **9.2. Thematic structure of content modules**

#### ***Module 1. Infectious diseases***

##### *Content module 1. "TB".*

Topic 1. Management of patients with tuberculosis

Topic 2. Management of patients with chemoresistant tuberculosis.

Topic 3. Management of a patient with tuberculosis in combination with HIV infection. Features of incurable patients with tuberculosis, as well as in combination with HIV infection, viral hepatitis. Application of palliative methods of treatment.

##### *Content module 2. Infectious diseases.*

Topic 1. Management of a patient with acute and chronic diarrheal syndrome in the clinic of infectious diseases.

Topic 2. Management of a patient with an infectious disease with airborne transmission mechanism.

Topic 3. Management of a patient with viral hepatitis.

Topic 4. Management of a patient with prolonged fever syndrome of unknown origin. Management of a patient with oropharyngeal lesions. Arranging and providing medical care for Ebola-related illness.

Topic 5. Management of a patient with lymphadenopathy.

Topic 6. Management of a patient with HIV / AIDS. Organization of palliative care in the context of HIV infection. Features of patient management in the terminal stage of the disease,

counseling, care, psychological, spiritual, social support of the patient and his relatives.  
Management of a patient with HIV-indicative infection.

## 10. STRUCTURE OF THE COURSE

Names of content modules and topics	Number of hours				
	Total	including			
		Classroom		Independent student work	Individual work
Lectures	Practical classes				
1	2	3	4	5	6
<b>Module 1. Infectious diseases and TB</b>					
<b>Content module 1. TB</b>					
Topic 1. Management of patients with tuberculosis	9		5	4	
Topic 2. Management of patients with chemoresistant tuberculosis.	9		5	4	
Topic 3. Management of a patient with tuberculosis in combination with HIV infection. Features of incurable patients with tuberculosis, as well as in combination with HIV infection, viral hepatitis. Application of palliative methods of treatment.	7		5	2	
<b>Content module 2. Infectious diseases</b>					
Topic 1. Management of a patient with acute and chronic diarrheal syndrome in the clinic of infectious diseases.	9		5	4	
Topic 2. Management of a patient with an infectious disease with airborne transmission mechanism.	9		5	4	
Topic 3. Management of a patient with viral hepatitis.	9		5	4	
Topic 4. Management of a patient with prolonged fever syndrome of unknown origin. Management of a patient with oropharyngeal lesions. Arranging and providing medical care for Ebola-related illness.	9		5	4	
Topic 5. Management of a patient with lymphadenopathy.	9		5	4	
Topic 6. Management of a patient with HIV / AIDS. Organization of palliative care in the context of HIV infection. Features of patient management in the terminal stage of the disease, counseling, care, psychological, spiritual, social support of the patient and his relatives. Management of a patient with HIV-indicative infection.	8		5	3	
Total	85		45	40	
Final modular control	5		0	0	
<b>TOTAL HOURS</b>	<b>90</b>		<b>50</b>	<b>40</b>	

### 11. THEMATIC PLAN OF PRACTICAL (SEMINAR) CLASSES

№	Name of topics	Quantity of hours
<b>Content module 1. TB</b>		
1.	Management of patients with tuberculosis	5
2.	Management of patients with chemoresistant tuberculosis.	5
3.	Management of a patient with tuberculosis in combination with HIV infection. Features of incurable patients with tuberculosis, as well as in combination with HIV infection, viral hepatitis. Application of palliative methods of treatment.	5
<b>Content module 2. Infectious diseases</b>		
4.	Management of a patient with acute and chronic diarrheal syndrome in the clinic of infectious diseases.	5
5.	Management of a patient with an infectious disease with airborne transmission mechanism.	5
6.	Management of a patient with viral hepatitis.	5
7.	Management of a patient with prolonged fever syndrome of unknown origin. Management of a patient with oropharyngeal lesions. Arranging and providing medical care for Ebola-related illness.	5
8.	Management of a patient with lymphadenopathy.	5
9.	Management of a patient with HIV / AIDS. Organization of palliative care in the context of HIV infection. Features of patient management in the terminal stage of the disease, counseling, care, psychological, spiritual, social support of the patient and his relatives. Management of a patient with HIV-indicative infection.	5
10.	Final module control	5
Total		50

### 12. THEMATIC PLAN OF INDEPENDENT WORK

№	Name of topics	Quantity of hours	Type of control
1.	Preparation for practical classes - theoretical training and development of practical skills for the content module 1	10	Current control, situational tasks
2.	Preparation for practical classes - theoretical training and development of practical skills for the content module 2	30	Current control, situational tasks
Total		40	

### 13. LIST OF INDIVIDUAL TASKS

- Speeches at the scientific student group.
- Participation in scientific conferences.
- Publication of reports in the form of abstracts and articles in periodicals (journals, collections of scientific papers).
- Production of visual aids according to educational programs (tables, models, visual aids, graphological schemes of practical classes).
- Writing essays



#### 14. LIST OF THEORETICAL ISSUES

- Management of patients with tuberculosis of extrapulmonary localization (miliary tuberculosis, tuberculosis of the nervous system and meninges): algorithm and standard of diagnosis and treatment.
- Management of patients with tuberculosis of unknown location (latent tuberculosis infection): algorithm and standards of diagnosis and treatment.
- Management of a patient with chemoresistant tuberculosis: algorithms and standards of diagnosis and treatment.
- Management of patients with tuberculosis in combination with HIV infection: algorithm and standard of diagnosis and treatment.
- Features of management of intractable patients with tuberculosis. Application of palliative methods of treatment.
- Typhoid fever, paratyphoid A and B: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, principles of treatment, prevention. Indications for hospitalization.
- Cholera: etiology, epidemiology in the context of regulation of IHR-2005, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, features of treatment, prevention. The order of hospitalization, rules of discharge of patients from an infectious hospital for the diseases regulated by IHR-2005.
- Management of a patient with salmonellosis: etiology, epidemiology, classification, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with food poisoning: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with enterovirus disease: etiology, epidemiology, classification, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with intestinal yersiniosis: etiology, epidemiology, classification, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with pseudotuberculosis: etiology, epidemiology, classification, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with shigellosis: etiology, epidemiology, classification, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with COVID-19: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, anti-epidemic measures, principles of immunoprophylaxis. Indications for hospitalization.
- Management of a patient with influenza: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, anti-epidemic measures, principles of immunoprophylaxis. Indications for hospitalization.
- Management of a patient with parainfluenza: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with adenoviral disease: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with MS infection: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.

- Management of a patient with rhinovirus infection: etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention.
- Management of a patient with herpesvirus infection: Classification of human herpes viruses. General characteristics of herpesvirus diseases. Etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with chickenpox. Shingles. Etiology, epidemiology, pathogenesis, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Management of a patient with infectious mononucleosis: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for hospitalization.
- Features of the course of herpesvirus infections in patients with HIV infection.
- Management of a patient with measles: etiology, epidemiology, pathogenesis, classification, clinic, features of the course in adults, laboratory diagnosis, differential diagnosis, complications, treatment, anti-epidemic measures, principles of immunoprophylaxis. Indications for hospitalization.
- Management of a patient with rubella: etiology, epidemiology, pathogenesis, classification, clinic, features of the course in adults, laboratory diagnosis, differential diagnosis, complications, treatment, anti-epidemic measures, principles of immunoprophylaxis. Indications for hospitalization.
- Management of a patient with diphtheria: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, principles of immunoprophylaxis. The order of hospitalization.
- Management of a patient with meningococcal infection: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications,
- Management of a patient with atypical pneumonia: etiological factors, epidemiology, pathogenesis, features of the clinical course, laboratory diagnosis, differential diagnosis, complications, treatment. The order of hospitalization.
- Differential diagnosis of jaundice.
- Management of a patient with chronic viral hepatitis: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, principles of treatment, prognosis.
- Management of a patient with HIV infection: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, principles of treatment, prevention, prognosis. The order of hospitalization, features of inspection, medical examination.
- Organization of palliative care in the context of HIV infection. Features of patient management in the terminal stage of the disease, counseling, care, psychological, spiritual and social support of the patient and his relatives.
- Management of a patient with malaria: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. Indications for examination for malaria. The order of hospitalization.
- Brucellosis: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. The order of hospitalization.
- Tick-borne encephalitis: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. The order of hospitalization.

- Management of the patient on erysipelas: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnostics, differential diagnosis, complications, treatment, prevention. The order of hospitalization.
- Management of a patient with leptospirosis: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, treatment, prevention. The order of hospitalization.
- Tetanus: etiology, epidemiology, classification, pathogenesis, clinical course, diagnosis, differential diagnosis, complications, prognosis, principles of treatment and postpartum prevention. Principles of immunoprophylaxis. The order of hospitalization.
- Rabies: etiology, epidemiology, pathogenesis, clinical course, diagnosis, differential diagnosis, prognosis, principles of treatment and post-mortem prevention. The order of hospitalization.
- Management of a patient with felinosis: etiology, epidemiology, classification, pathogenesis, clinical course, diagnosis, differential diagnosis, complications, prognosis, principles of treatment and prevention. Indications for hospitalization.
- Plague as a disease subject to regulation according to IHR-2005: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, prognosis, principles of treatment, prevention. The order of hospitalization. Preventive measures in the center of pulmonary plague according to IHR-2005.
- Management of a patient with anthrax: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, prognosis, treatment, prevention. The order of hospitalization. Preventive measures in the cell.
- Management of a patient with tularemia: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, prognosis, treatment, prevention. The order of hospitalization. Preventive measures in the cell.
- Yellow fever as a disease regulated by IHR-2005: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, prognosis, principles of treatment, anti-epidemic measures, immunoprophylaxis. The order of hospitalization.
- Management of a patient with fever Crimea-Congo: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, prognosis, principles of treatment, prevention. The order of hospitalization.
- West Nile fever as a disease subject to IHR-2005: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, differential diagnosis, complications, prognosis, principles of treatment, anti-epidemic measures, principles of immunoprophylaxis. The order of hospitalization.
- Fever Marburg, Ebola, Lassa - hemorrhagic fevers regulated by IHR-2005: etiology, epidemiology, pathogenesis, classification, clinical course, laboratory diagnosis, complications, prognosis, features of treatment, prevention. The order of hospitalization.

## **15. LIST OF PRACTICAL TASKS AND WORKS**

- history taking;
- examination of the patient;
- planning the examination of the patient;
- interpretation of laboratory and instrumental research data;
- differential diagnosis of the most common complications;
- determination of the preliminary clinical diagnosis;
- determination of patient management tactics;
- providing emergency medical care;

- solving situational problems;
- practice of practical skills at the patient's bedside;
- keeping medical records.

## 16. METHODS AND FORMS OF CONTROL

During the study of the discipline all types of student activities are subject to current (at each lesson) control.

The current control of students' knowledge is carried out during practical classes and includes testing of knowledge of theoretical material and control of mastering practical skills, which are provided by methodical development of classes on relevant topics. Testing of students' knowledge is carried out with the help of oral face-to-face interviews, solving test problems of varying severity, solving typical and atypical situational problems, as well as during checking the correctness of laboratory research tasks.

Intermediate control of students' knowledge is carried out during the final tests during the last lesson of the content module.

Final control of students' knowledge is carried out at the last practical lesson after completion of the module in the form of final modular control. Students find out the knowledge of theoretical material (according to the list of questions). In addition, students perform practical work that is attached to the ticket and solve situational problems, which is also taken into account when assessing their knowledge.

## 17. EVALUATION OF THE LEVEL OF STUDENT TRAINING IN THE DISCIPLINE

During the assessment of mastering each topic, the student is graded on a 4-point (traditional) scale and on a 200-point scale using the accepted and approved assessment criteria for the relevant discipline. This takes into account all types of work provided by the methodological development for the study of the topic.

The student must receive a grade on each topic. Grades on the traditional scale are converted into points depending on the number of topics.

The weight of each topic within one module in points should be the same. Forms of assessment of current educational activities should be standardized and include control of theoretical and practical training. The final score for current activities is recognized as the arithmetic sum of scores for each lesson and for individual work. The maximum number of points that can be obtained by the applicant for the current activity during the study of the discipline is calculated by multiplying the number of points corresponding to the grade "5" by the number of topics with added points for the individual task, but not more than 200 points.

### Distribution of points for current activities

Module number number of study hours / number of ECTS credits	Number of content modules, their numbers	Number of practical classes	Conversion into scores of traditional grades				Points for individual tasks	Minimum number of points *
			Traditional estimates					
			5	4	3	2		
Модуль 1 90/1	2	10	12	10	7	0	7; 10; 12	70

## 18. RECOMMENDED LITERATURE

### 18.1. Basic

1. Infectious diseases. Textbook for English-speaking students of medical universities IV level of accreditation / M. Andreychyn, V. Moskaliuk, V. Sorokhan, N. Bohachyk – Chernivtsi: Bukovinian State Medical University, 2013. – 336 p.

2. Epidemiology and Fundamentals of Infectious Diseases. Textbook for English-speaking students of medical universities III-IV level of accreditation / V. D. Moskaliuk, A. S. Sydoruk – Chernivtsi: BSMU, 2011. – 278 p.
3. Tropical infectious diseases: principle, pathogens and practice. By L.G. Guerrant, D. Walker.
4. Moskaliuk V.D., Sorokhan V.D. Infectious diseases transmitted by the fecal oral route / Навчальний посібник. – Чернівці: Видавництво Буковинського державного медичного університету, 2009. – 268 с.

**18.2 Additional**

1. Yann Meunier. Tropical infectious diseases: Oxford Press. – 2014. – 397 p.
2. Hunter's Tropical infectious diseases and Emerging Infectious disease. By Alan J. Magill, G. Thomas Strickland et al.

**18.3. Information resources**

1. <http://moodle.bsmu.edu.ua>
3. Website of the Ministry of Health of Ukraine - <http://www.moz.gov.ua>

**19. COMPILERS OF THE STUDENT GUIDE (SYLLABUS)**

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