


Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	The form	
F - Work program of the discipline		

**APPROVED**



by the decision of the Scientific Council of the Institute of Medicine, Ecology and Physical Culture UISU from " 10/09 2019 y., at the protocol №10/210  
Chairman V.I. Midlenko  
(signature, description of signature)  
" 10/09 2019 y.

**EDUCATIONAL PLAN**

Discipline	Current issues of HIV infection
Faculty	Medical
Department	Infectious and skin-venereal diseases
Course	For 6th year students

Direction (specialty) 31.05.01 - General Medicine (partial development of the English language)  
*direction code (specialty), full name*

Focus (profile / specialization) -  
*full name*

Full-time form of education...

Date of introduction into the educational process of UISU: "01" 09 2019

The program was updated at the meeting of the department: № 10 of \_31.08.2020.  
The program was updated at the meeting of the department: № 1 of \_31.08.2021.  
The program was updated at the meeting of the department: №1 of \_29.08.2022.  
The program was updated at the meeting of the department: №9 of \_28.04.2023.  
The program was updated at the meeting of the department: №10 of \_22.05.2024.

Developer Details:

Full name	Department	Position, academic degree, title
Kiseleva Lyubov Mikhailovna	Infectious and skin-venereal diseases	Professor, MD
Ilmukhina Larisa Vladimrovna	Infectious and skin-venereal diseases	Associate Professor, Ph.D.
Saranskaya Yana Evgenevna	Infectious and skin-venereal diseases	Assistant

AGREED	AGREED
Head of the Department, implementing discipline	Head of the Graduating Department
<u>L.M. Kiseleva</u> / L.M. Kiseleva / <i>Signature name</i> May 29, 2019	<u>M.A. Vize-Khripunova</u> / M.A. Vize-Khripunova / <i>Signature name</i> May 29, 2019

### 1. GOALS AND OBJECTIVES OF LEARNING THE DISCIPLINE:

**The goal of mastering the discipline: the formation of general professional (OPK) and professional (PC) competencies in students according to the general principles of diagnosis and treatment of HIV infection.**

#### **Objectives of mastering the discipline:**

- Training in early recognition of HIV infection when examining a patient,
- differential diagnosis of HIV infection with other infectious and non-infectious diseases proceeding with similar symptoms, based on their leading syndromes,
- Training in the choice of optimal methods of laboratory and instrumental examination to confirm or refute the diagnosis of HIV infection;
- Training in carrying out the full scope of treatment and prophylactic measures when diagnosing HIV infection

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

Discipline "Topical issues of HIV infection" refers to the basic part of the disciplines for choosing a professional cycle B1.V.DV.7.1. OPOP VO in the specialty "General Medicine" for 6th year students.

The development of the discipline is based on knowledge, skills and abilities formed by previous disciplines and practices, the basic knowledge necessary for studying the discipline is formed: immunology, general surgery, pharmacology, dentistry, dermatovenerology, neurology, medical genetics, neurosurgery, obstetrics and gynecology, modern aspects of neurology, Propaedeutic of Internal Diseases, Otorhinolaryngology, "Clinical Practice (Hospital Physician Assistant)".

The study of the discipline "Infectious Diseases" allows students to acquire the necessary knowledge, skills and abilities in the development of subsequent disciplines: ophthalmology, occupational diseases, psychiatry, medical psychology, endocrinology, hospital therapy, polyclinic therapy, hospital surgery, paediatric surgery, anaesthesiology, resuscitation and intensive care, pathophysiology, clinical pharmacology, oncology, radiation therapy, radiation diagnostics, forensic medicine, clinical psychology, diagnosis and treatment of extra pulmonary tuberculosis, palliative medicine, urgent problems of HIV infection, diabetology and emergency endocrinology, "Practice for obtaining professional skills and professional experience (Physician assistant of an outpatient clinic)."

### 3. LIST OF PLANNED DISCIPLINE LEARNING OUTCOMES, CORRELATED TO THE PLANNED LEARNING OUTCOMES BASIC PROFESSIONAL EDUCATIONAL PROGRAM

The study of the discipline "Actual problems of HIV infection" is aimed at developing the following general professional (OPK) and professional (PC) competencies among students: OPK-6, OPK-8, PC-5, PC-6, and PC-8 according to the plan of mastering the educational program...

Code and name of the implemented competence	The list of planned learning outcomes in the discipline (module), correlated with indicators of achievement of competencies
OPK-6 Readiness to maintain medical records	Know: the basics of the legislation of the Russian Federation, the main regulatory and technical documents. Be able to: keep an outpatient card and medical history of a patient with HIV infection. Assess the social situation and assess its role in the spread of socially significant diseases. Own: a methodology for calculating indicators of primary morbidity with

	socially determined diseases.
OPK - 8 - readiness for medical use of drugs and other substances and their combinations in solving professional problems	<p>Know: Indications, contraindications, mechanism of action of antiretroviral drugs</p> <p>Be able to: Prescribe antiretroviral therapy to patients with HIV infection</p> <p>Possess: Skills in prescribing antiretroviral therapy for patients with HIV infection.</p>
PC-5 Readiness to collect and analyse patient complaints, data from his anamnesis, examination results, laboratory, instrumental, pathological and anatomical and other studies in order to recognize a condition or establish the presence or absence of a disease	<p>Know: the main clinical manifestations of HIV infection and AIDS-associated complex. Modern methods of clinical, laboratory and instrumental diagnostics of HIV infection</p> <p>Be able to: collect anamnesis, interview a patient and his relatives, conduct a physical examination of a patient of different ages. Formulate a clinical diagnosis.</p> <p>Possess: interpretation of the results of laboratory, instrumental diagnostic methods. Practical skills in conducting and evaluating special studies and samples.</p>
PC -6 - the ability to determine the patient's main pathological conditions, symptoms, syndromes of diseases, nosological forms in accordance with the International Statistical Classification of Diseases and Problems Related to Health, X revision	<p>Know: The mechanism of the onset of clinical symptoms and the principles of their grouping into clinical syndromes, clinical presentation, course features and possible complications of the most common diseases of internal organs. Modern methods of clinical, laboratory and instrumental diagnostics of patients with diseases of internal organs, necessary for making a diagnosis in accordance with the International Statistical Classification of Diseases and Problems Related to Health</p> <p>Be able to: To identify and substantiate clinical syndromes, taking into account the identified clinical symptoms and knowledge about the mechanisms of their development. To choose and use in professional activity the possibilities of various methods of clinical and immunological examination and assessment of the functional state of the body for the timely diagnosis of the disease and pathological processes. Interpret the results of laboratory and instrumental research methods, make a diagnosis according to the International Classification of Diseases based on the data of basic and additional research methods</p> <p>Own: Methods of general clinical examination (questioning, collection of objective and subjective information) in order to diagnose the main clinical syndromes in diseases of internal organs.</p> <p>Algorithm for setting a detailed clinical diagnosis of patients based on the international classification of diseases</p>
PC-8 - the ability to determine the tactics of managing patients with various nosological forms	<p>Know: Principles of treating infectious HIV infection.</p> <p>Be able to: Develop a patient treatment plan, taking into account the course of the disease</p> <p>Own: Algorithm of principles of treatment of infectious diseases</p>

#### 4. TOTAL EMPLOYMENT OF THE DISCIPLINE

##### 4.1. Discipline volume in credit units (total) 3

:

Type of educational work	Number of hours (form of training ___ 72 hours)		
	Total according to plan	Incl. by semester	
		Semester number - IX	Semester number - X
1	2	3	4
Contact work of students with the teacher	54	thirty	24
Auditory lessons:	54	thirty	24
Lectures	Not provided	Not provided	Not provided
practical and seminars	54	thirty	24
laboratory work (laboratory practice)	Not provided	Not provided	Not provided
Independent work	eighteen	6	12
Current control (quantity and type: cont. Work, colloquium, abstract)	-	-	-
Course work	essay	-	Essay
Types of intermediate certification (exam, test)	offset	-	Offset
Total hours by discipline	72	36	36


**4.3. Content of the discipline. Distribution of hours by topics and types of educational work:  
Full-time form of education**

Title and sections and topics	Total	Types of training sessions				
		Auditory lessons			Interactive classes	Independent work
		lectures	practical training, seminar	laboratory work		
1	2	3	4	five	6	7
<b>Section 1. (section title)</b>						
1. Clinical and epidemiological criteria of HIV. Establishing the fact of HIV infection.	2	-	2	-	1.0	-
2. Formulation of the clinical diagnosis of HIV infection. Classifications of HIV infection.	4	-	4	-		-
3. Opportunistic infections. AIDS-associated complex	6	-	6	-	1.0	-
4. Dispensary obser-	6	-	6	-	0.5	-

vation of patients with HIV infection						
5. Drug therapy for patients with HIV infection. Indications for starting ART in adults. Antiretroviral drugs.	6	-	6	-	1.0	-
6. Standard ARVT regimens	6	-	6	-	0.5	-
7. ART for special patient groups	6	-	6	-	0.5	-
8. Evaluation of the effectiveness of ART	2	-	2	-	-	-
9. Adherence to therapy. Side and toxic effects of ARVT	4	-	4	-	0.5	-
10. Prevention of HIV infection	6	-	6	-	1.0	-
11. Damage to the nervous system in HIV infection	3	-	3	-	-	-
12. The defeat of the gastrointestinal tract in HIV	4	-	-	-	-	4
13. Oncological diseases as AIDS indicator diseases	3	-	3	-	-	-
14. Damage to the bronchopulmonary system in HIV infection	4	-	-	-	-	4
15. Skin lesions in HIV infection	4	-	-	-	-	5
16. Features of the course of chronic viral hepatitis in HIV-infected patients	4	-	-	-	-	5
Total	72	-	54	-	6	18

## 5. DISCIPLINE CONTENT

**Topic 1. Clinical and epidemiological criteria of HIV. Establishing the fact of HIV infection**  
Epidemiological criteria for the diagnosis of HIV infection. Clinical criteria for the diagnosis of HIV. Laboratory confirmation of the diagnosis of HIV infection. Detection of antibodies to HIV. False positive and false negative results. Doubtful (uncertain) result. Detection of HIV, its antigens and genetic material. Plasma HIV quantification (viral load) of HIV. Indications for the determination of viral load. Nonspecific laboratory signs of HIV infection. Types and subtypes of HIV: HIV-1 and HIV-2.

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**Topic 2. Formulation of the clinical diagnosis of HIV infection. Classifications of HIV infection.**

Russian classification of HIV infection (Pokrovsky, approved on 03/17/2006). Acute HIV infection. Stages and phases of HIV infection. Characteristics of the stages of HIV infection. Justification and formulation of the diagnosis of HIV infection. CD4 lymphocyte count. Factors affecting the CD4 test result. Rate of decline of CD4 lymphocytes / AIDS case definition. CDC HIV infection classification, 1991, USA. WHO classification.

**Topic 3. Opportunistic infections. AIDS-associated complex.**

Definition of the AIDS case. Bacterial, viral, fungal, parasitic, oncological diseases. The defeat of the respiratory system in HIV. The defeat of the central nervous system in HIV. Skin lesions in HIV infection. Candidiasis of the trachea, lungs, oesophagus. Coccidioidomycosis. Cervical cancer is invasive. Extra pulmonary Cryptococcus's. Cryptosporidiosis. Herpes simplex virus infections. Encephalopathy due to HIV. Intestinal isosporosis. Kaposi's sarcoma. Burkett's lymphoma. Immunoblastic sarcoma. Pulmonary tuberculosis and extra pulmonary tuberculosis. Atypical mycobacteriosis. Salmonella recurrent septicemia. Pneumocystis pneumonia. Recurrent pneumonia. Progressive multifocal leukoencephalopathy. Toxoplasmosis of the brain. Waste syndrome in HIV infection.

**Topic 4. Dispensary observation of patients with HIV infection.**

The scope of the examination when registering for dispensary registration of HIV-infected. Physical examination, general condition, examination of the skin and mucous membranes, assessment of neurological and mental status. The volume of laboratory tests when registering an HIV-infected patient. Routine follow-up examinations prior to highly active antiretroviral therapy (HAART). Expert advice. Dispensary observation during HAART.

**Topic 5. Drug therapy for patients with HIV infection. Indications for starting antiretroviral therapy (ART) in adults. Antiretroviral drugs.**


Definition of antiretroviral therapy. Clinical and immunological indications for ART. Epidemiological indications for ART. Actions when identifying indications for ART. Patient's informed consent. Identification of possible contraindications to ARVT. A set of examinations carried out before starting HAART. Groups of antiretroviral drugs. Nucleoside and non-nucleoside inhibitors of HIV reverse transcriptase. HIV protease inhibitors. Inhibitors of CCR5 chemokine receptors. HIV integrase inhibitors. Antiretroviral drugs approved for use in Russia.

**Topic 6. Standard ARVT regimens.**

Characteristics of ARVT regimens. The sequence of the appointment of ARVT regimens. First row schemes. Second row schemes. Third row schemes. Reserve schemes. Preferred, alternative, acceptable regimens. Antiretroviral drugs and their combinations not recommended for ARVT.

**Topic 7. ART in special patient groups.**

Patients with anemia and granulocytopenia. Women who, against the background of ARVT, may not exclude pregnancy and childbirth. Pregnant women. Patients with an initially low CD4 count. Patients over 50 years old or with lipid metabolism disorders or at risk of cardiovascular pathology. Patients with cognitive impairments. Patients with HIV-2. Patients with co-infection with HIV + CHB, B + D, CHC. Changing the ARVT regimen with the development of intolerance to antiretroviral drugs. Treatment of opportunistic HIV infections.

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**Topic 8. Evaluation of the effectiveness of HAART.**

Clinical criteria. Determination of CD4 lymphocyte count and HIV viral load. Factors contributing to the failure of ART. Study of HIV resistance to antiretroviral drugs. Change of ART in case of insufficient effectiveness of previous treatment.

**Topic 9. Adherence to therapy. Side and toxic effects of HAART.**

The concept of patient adherence and compliance. Formation of adherence in various patient groups. Pre-test and post-test counseling. Individual counseling. Behavioural phase of counseling. Development of a specific treatment plan. The choice of drug regimen. Providing contact information. Monitoring adherence to treatment. Side and toxic effects of HAART and ways to overcome them.

**Topic 10. Prevention of HIV infection.**

Post-exposure HIV prevention in the workplace.

Examination of pregnant women for HIV. Specifics of counseling pregnant women during HIV testing. Dispensary observation of an HIV-infected pregnant woman. Delivery of an HIV-infected woman. Hygiene procedures for the child after childbirth. Feeding the baby.

General principles of HIV chemoprevention from mother to child.

Use of ARVs to prevent mother-to-child transmission of HIV during pregnancy. Timing and tactics of starting ARVs during pregnancy. Chemoprophylaxis of mother-to-child transmission of HIV during childbirth. Prescribing ARVs to a new-born to prevent HIV infection. Taking ARVs after childbirth.

Diagnosis of HIV infection in children with perinatal contact for HIV infection.

**Topic 11. Damage to the nervous system in HIV infection**

Toxoplasmosis of the brain. Brain lymphomas and other brain tumors. Acute aseptic encephalitis and meningoencephalitis. AIDS dementia syndrome. Progressive encephalopathy. Progressive multifocal leukoencephalopathy. Herpetic infection. Fungal lesions of the central nervous system. Disseminated tuberculosis. Diseases of the spinal cord and neuromuscular diseases (vascular myelopathy, neuropathy of the cranial nerves, Guillain-Barre syndrome, chronic inflammatory demyelinating polyneuropathy, multiple mononeuropathy, progressive polyradiculopathy).

**Topic 12. The defeat of the gastrointestinal tract in HIV**

Oesophageal candidiasis. Intestinal cryptosporidiosis. Cytomegalovirus infection and herpes simplex virus infection. Oropharyngeal candidiasis (thrush), candida stomatitis. Hairy leukoplakia of the tongue. Acute intestinal infections and HIV infection. Damage to the hepato-biliary system in HIV-infected patients. Oncological diseases of the gastrointestinal tract in HIV.


**Topic 13. Oncological diseases as AIDS indicator diseases**

AIDS-associated lymphomas. Primary CNS lymphoma. Kaposi's sarcoma. Invasive cervical cancer.

**Topic 14. Damage to the bronchopulmonary system in HIV infection**

Purulent-inflammatory lung diseases. Oncological diseases of the bronchopulmonary system. Tuberculosis of the lungs and bronchi.

**Topic 15. Skin lesions in HIV infection**

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Mycotic lesions (candidiasis, rubrophytosis, versicolor versicolor). Fungal skin lesions (herpes simplex, herpes zoster, cytomegalovirus infection, molluscum contagious, hairy leucoplakia of the tongue, warts vulgar and genital warts). Pyoderma. Sarcoma and Kaposi. Vascular changes in the skin.

**Topic 16. Features of the course of chronic viral hepatitis in HIV-infected patients**

Viral hepatitis, HIV infection and drug addiction. Mixed infection. The rate of progression of hepatitis to cirrhosis. HIV infection and liver failure. Features of antiretroviral therapy for chronic viral hepatitis. Treatment of chronic viral hepatitis in HIV-infected.

**6. TOPICS OF PRACTICAL AND SEMINARS**

**Topic 1. Clinical and epidemiological criteria for HIV. Establishing the fact of HIV infection.**

Establishing a clinical diagnosis of HIV infection. Classifications of HIV infection.

The form of the exercise is a practical lesson.

Questions to the topic.

1. Epidemiological situation on HIV infection in the world, Russia and the Ulyanovsk region.
2. Ways of HIV transmission, risk groups. Medical workers - as a risk group, the degree of risk of HIV infection for medical workers.
3. HIV clinic. Clinical classification of HIV (Russia, CDC, WHO). The degree of immunodeficiency.
4. The clinical picture of the stage of acute HIV infection.
5. Latent stage of HIV infection. Dynamic patient monitoring
6. The clinical picture of the stage of secondary diseases. Opportunistic infections depending on the degree of immunodeficiency.
7. Diagnostics of HIV. Laboratory diagnostic methods. Establishing the fact of HIV infection, stages. Possible mistakes.
8. Assessment of the immune status. Immunogram
9. HIV viral load. Genotyping and phenotyping.
10. Clinical and laboratory diagnostics of opportunistic HIV infections, frequency.
11. Differential diagnosis of HIV infection at different stages of the disease.

**Topic 2. Opportunistic infections. AIDS-associated complex**

The form of the exercise is a practical lesson.

Questions to the topic.

1. Bacterial infections (tuberculosis, bacterial pneumonia, pyoinflammatory diseases and sepsis, Mycobacterium avium complex).
2. Viral infections (herpes simplex virus, cytomegalovirus infection, human papillomavirus infection, herpes zoster).
3. Fungal infections (candidiasis, histoplasmosis, pneumocystis pneumonia, cryptococcal meningitis).
4. Parasitic infections (toxoplasmosis, cryptosporidiosis)
5. Tumors (Kaposi's sarcoma, lymphomas, invasive cervical cancer).


**Topic 3. Dispensary observation of patients with HIV infection**

The form of the exercise is a practical lesson.

Questions to the topic.

1. The scope of the examination when registering HIV-infected patients.
2. Physical examination, general condition, examination of the skin and mucous membranes, assessment of neurological and mental status.



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3. The volume of laboratory tests when registering an HIV-infected patient. Scheduled examinations, their sequence and frequency
3. Complex of examinations when prescribing highly active antiretroviral therapy (HAART). Expert advice.
4. Dispensary observation during HAART.

**Topic 4. Drug therapy for patients with HIV infection. Indications for starting ART in adults. Antiretroviral drugs.**

The form of the exercise is a practical lesson.

Questions to the topic.

1. Definition of the concept of antiretroviral therapy.
2. Clinical and immunological indications for ART.
3. Epidemiological indications for ART.
4. Actions when identifying indications for ART. Patient's informed consent.
5. Identification of possible contraindications to ARVT.
6. Groups of antiretroviral drugs. Nucleoside and non-nucleoside inhibitors of HIV reverse transcriptase. HIV protease inhibitors. Inhibitors of CCR5 chemokine receptors. HIV integrase inhibitors. Antiretroviral drugs approved for use in Russia.

**Topic 5. Standard ARVT regimens.**

The form of the exercise is a practical lesson.

Questions to the topic.

1. Characteristics of ARVT regimens.
2. The sequence of prescribing ARVT regimens.
3. Schemes of the first row. Second row schemes. Third row schemes.
4. Reserve schemes. Preferred, alternative, acceptable regimens.
5. Antiretroviral drugs and their combinations not recommended for ARVT.

**Topic 6. ART in special patient groups.**

The form of the exercise is a practical lesson.

Questions to the topic.

1. Patients with anemia and granulocytopenia.
2. Women who, against the background of ARVT, may not exclude pregnancy and childbirth. Pregnant women.
3. Patients with an initial low CD4 count.
4. Patients over 50 years old or with lipid metabolism disorders or at risk of cardiovascular disease.
5. Patients with cognitive impairments.
6. Patients with HIV-2.
7. Patients with co-infection with HIV + CHB, B + D, CHC.
8. Changing the ARVT regimen with the development of intolerance to antiretroviral drugs.
9. Treatment of opportunistic HIV infections.


**Topic 7. Evaluation of the effectiveness of HAART. Adherence to therapy.**

**Side and toxic effects of HAART.**

The form of the exercise is a practical lesson.

Questions to the topic.

1. Clinical criteria for evaluating the effectiveness of HAART.
2. Determination of the number of CD4 lymphocytes and HIV viral load in assessing the effectiveness of HAART.

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3. Factors contributing to the failure of ART. Study of HIV resistance to antiretroviral drugs.
4. Change of ART in case of insufficient effectiveness of the previous treatment.
5. The concept of adherence and compliance of the patient. Formation of adherence in various patient groups. Pre-test and post-test counseling. Individual counseling.
6. Behavioural stage of counseling.
7. Development of a specific treatment plan. The choice of drug regimen. Providing contact information.
8. Monitoring adherence to treatment.
9. Side and toxic effects of HAART and ways to overcome them.

### **Topic 8. Prevention of HIV infection.**

The form of the exercise is a practical lesson.

Questions to the topic.

1. Post-exposure HIV prevention in the workplace.
2. Examination of pregnant women for HIV. Specifics of counseling pregnant women during HIV testing.
3. Dispensary observation of an HIV-infected pregnant woman.
4. Delivery of an HIV-infected woman.
5. Hygienic procedures for the child after childbirth. Feeding the baby.
6. General principles of HIV chemoprevention from mother to child.
7. Use of ARVs to prevent mother-to-child transmission of HIV during pregnancy.
8. Timing and tactics of starting ARVs during pregnancy.
9. Chemoprophylaxis of HIV transmission from mother to child during childbirth.
10. Prescribing ARVs to a new-borns to prevent HIV infection. Taking ARVs after childbirth.
11. Diagnosis of HIV infection in children with perinatal contact for HIV infection.

### **Topic 9. Damage to the nervous system in HIV infection.**

#### **Oncological diseases in HIV infection.**

The form of the exercise is a practical lesson.

Questions to the topic.

1. Toxoplasmosis of the brain.
2. Brain lymphomas and other brain tumors.
3. Acute aseptic encephalitis and meningoencephalitis.
4. AIDS-dementia syndrome. Progressive encephalopathy. Progressive multifocal leukoencephalopathy.
5. Herpetic infection.
6. Fungal lesions of the central nervous system.
7. Disseminated tuberculosis.
8. Diseases of the spinal cord and neuromuscular diseases (vascular myelopathy, neuropathy of the cranial nerves, Guillain-Barre syndrome, chronic inflammatory demyelinating polyneuropathy, multiple mononeuropathy, progressive polyradiculopathy).
9. AIDS-associated lymphomas.
10. Kaposi's sarcoma.
11. Invasive cervical cancer.

<b>N o.</b>	<b>Discipline section name</b>	<b>Types of CPC</b>	<b>Total hours</b>
<b>1</b>	Skin lesions in HIV infection	Work with literary sources and other sources of information on the studied section	<b>3</b>

		Fragment of the abstract	<b>2</b>
<b>2</b>	The defeat of the gastrointestinal tract in HIV	Work with literary sources and other sources of information on the studied section	<b>3</b>
		Fragment of the abstract	<b>1</b>
<b>3</b>	The defeat of the bronchopulmonary system in HIV infection	Work with literary sources and other sources of information on the studied section	<b>3</b>
		Fragment of the abstract	<b>2</b>
<b>4</b>	Features of the course of chronic viral hepatitis in HIV-infected patients	Work with literary sources and other sources of information on the studied section	<b>2</b>
		Fragment of the abstract	<b>2</b>
<b>Total</b>			<b>18</b>

### 7. APPROXIMATE TOPICS OF COURSE, CONTROL WORKS, ABSTRACTS


Abstract topics:

1. Clinical and laboratory criteria for the diagnosis of HIV infection. Stages of laboratory confirmation of the diagnosis.
2. Opportunistic infections in HIV / AIDS.
3. Tuberculosis in patients with HIV infection: features of the course, diagnosis and prevention
4. Toxoplasmosis in patients with HIV infection. Features of the lesion in HIV.
5. The defeat of the Broncho-pulmonary system in HIV infection (except for tuberculosis).
6. Damage to the nervous system in HIV infection. Clinic, differential diagnostics. Features of therapy.
7. Lymphoproliferative diseases in patients with HIV infection.
8. Skin lesions in HIV infection.
9. Haematological manifestations of HIV infection.
10. HIV infection and pregnancy.
11. HIV infection in people over 50. Features of the course of the disease and approaches to therapy.
12. Chronic viral hepatitis and HIV co-infection.
13. Children and HIV infection. Early diagnosis of HIV infection in children. Features of the course of the disease.

#### Requirements for the design of the abstract.

An abstract of 15-20 typewritten pages in Word editor, font Times New Roman, size 14; paragraph - justification, left and right indent - 0, spacing before and after - 0, line spacing - one and a half. Margins on all sides - 2 cm.

The abstract should consist of a title page, content, the actual text of the abstract and a list of used literature. The text of the abstract should consist of an introduction, a main part and a conclusion. The list of references is indicated in alphabetical order according to GOST. To write an essay, a student must use at least 5 - 7 sources of additional literature.

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## 8. EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

### Recommended reading list

#### Main

1. Alikeeva G.K., Infectious diseases: textbook / Alikeeva G.K. and others; Ed. ND Yushchuk, Yu. Ya. Vengerova. - 2nd ed., Rev. and add. - M.: GEOTAR-Media, 2016. -- 704 p. - ISBN 978-5-9704-3621-9 - Text: electronic // EBS "Student advisor": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970436219.html>
2. Pokrovsky V.I., Infectious diseases and epidemiology: textbook / Pokrovsky V.I., Pak S.G., Briko N.I., Danilkin B.K. - 2nd ed., Rev. and add. - M.: GEOTAR-Media, 2009. -- 816 p. - ISBN 978-5-9704-1652-5 - Text: electronic // EBS "Student advisor": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970416525.html>

#### Additional

1. Uchaikin V.F., Infectious diseases. Atlas: leadership / Uchaikin V.F., Kharlamova F.S., Shamsheva O.V., Polesko I.V. - M.: GEOTAR-Media, 2010. -- 384 p. - ISBN 978-5-9704-1810-9 - Text: electronic // EBS "Student Consultant": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970418109.html>
2. Kuselman, A. I. Herpesvirus infections in children: a guide for doctors / A. I. Kuselman, I. L. Solovyova, A. P. Cherdantsev; ed. A. I. Kuselman; IMEiFK. - Ulyanovsk: UISU, 2017. Kalyuzhin, O.V. Acute respiratory viral infections. - MIA. - 2014. URL [ftp://10.2.96.134/Text/Kuselman\\_2017.pdf](ftp://10.2.96.134/Text/Kuselman_2017.pdf)
3. Yushchuk N.D., HERPESVIRAL INFECTIONS / N.D. Yushchuk, T.K. Kuskov, M.G. Kulagina, Yu. Ya. Vengerov, Ya.M. Eremushkina, E.G. Belova, V.I. Shakhgildyan - M.: GEOTAR-Media, 2011. - Text: electronic // EBS "Student's Consultant": [site]. - URL:<http://www.studentlibrary.ru/book/970410004V0086.html>
4. Khryanin A.A., HIV infection in therapeutic practice / Khryanin A.A., Reshetnikov O.V. - M.: GEOTAR-Media, 2018. -- 88 p. - ISBN 978-5-9704-4735-2 - Text: electronic // EBS "Student advisor": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970447352.html>
5. Yushchuk N.D., Epidemiology of infectious diseases: textbook / Yushchuk N.D. and others - 3rd ed., revised. And add. - M.: GEOTAR-Media, 2016. -- 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student advisor": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970437766.html>

Согласовано:

**ДИРЕКТОР НБ**

**БУРХАНОВА М.М.**

Должность сотрудника научной библиотеки

ФИО

подпись


дата

#### B) Software

##### B)) Software

##### c) Professional databases, information and reference systems:

1. Electronic library systems:
  - 1.1. IPRbooks [Electronic resource]: electronic library system / group of companies IPR Media. - Electron. Dan. - Saratov, [2019]. - Access mode: <http://www.iprbookshop.ru...>
  - 1.2. YURAYT [Electronic resource]: electronic library system / LLC Electronic publishing house YURAYT. - Electron. Dan. - Moscow, [2019]. - Access mode: <https://www.biblio-online.ru...>
  - 1.3. Student consultant [Electronic resource]: electronic library system / Polytekhresurs LLC. - Electron. Dan. - Moscow, [2019]. - Access mode: <http://www.studentlibrary.ru/pages/catalogue.html...>

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2. Consultant Plus [Electronic resource]: reference legal system. / Company "Consultant Plus" - Electron. Dan. - Moscow: Consultant Plus, [2019].
3. Database of periodicals [Electronic resource]: electronic journals / LLC IVIS. - Electron. Dan. - Moscow, [2019]. - Access mode: <https://dlib.eastview.com/browse/udb/12...>
4. National Electronic Library [Electronic resource]: electronic library. - Electron. Dan. - Moscow, [2019]. - Access mode :<https://neb.rf...>
6. Federal information and educational portals:
  - 6.1. Information system Single... Access mode :<http://window.edu.ru>
  - 6.2. Federal portal [Russian education](http://www.edu.ru)... Access mode :<http://www.edu.ru>
7. Educational resources of UISU:
  - 7.1. Electronic library of UISU. Access mode: <http://lib.ulsu.ru/MegaPro/Web>
  - 7.2. UISU educational portal. Access mode: <http://edu.ulsu.ru>

Согласовано:

*Технический специалист* | *Борисович Ю.С.* | *Борисов* | \_\_\_\_\_  
 Должность сотрудника УИТИ | ФИО | Подпись | дата

## 9. MATERIAL AND TECHNICAL SUPPORT OF THE DISCIPLINE

### A) A list of classrooms required for classroom training in the discipline

#### Infectious diseases

- Lecture audience
- Auditorium in the infectious diseases hospital, required for practical training
- Computer class
- Chambers (boxes) in an infectious diseases hospital

### B) The list of equipment necessary for conducting classroom studies in the discipline Infectious diseases

- Multimedia complex (laptop, projector, screen)
- Boards
- Slid scope
- Slide Sets
- Multimedia various materials on various sections of the discipline
- Computers


## 10 SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES

If necessary, students from among persons with disabilities (at the request of the student) can be offered one of the following options for the perception of information, taking into account their individual psychophysical characteristics:

For persons with visual impairments: in printed form in an enlarged font; in the form of an electronic document; in the form of an audio file (translation of educational materials into audio format); in printed form in Braille; individual consultations with the involvement of a tiflosurd interpreter; individual assignments and consultations;

– For persons with hearing impairments: in printed form; in the form of an electronic document; videos with subtitles; individual consultations with the involvement of a sign language interpreter; individual assignments and consultations;

– For persons with disabilities of the musculoskeletal system: in printed form; in the form of an electronic document; in the form of an audio file; individual assignments and consultations.

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Developer \_\_\_\_\_  
Associate Professor of the Department of Infectious and Skin-Venereal  
Diseases, Ph.D. Ilmukhina L.V.

Assistant of the Department of Infectious and Skin-Venereal diseases Saranskaya Ya. E.




## Attachment 1

### 4.2 Scope of discipline by type of academic work (in hours)

Type of educational work	Number of hours (form of training ___72 hours)		
	Total according to plan	Incl. by semester	
		No. semester - IX	No. semester - X
1	2	3	4
Contact work of students with the teacher	54 *	thirty*	24 *
Auditory lessons:	54 *	thirty*	24 *
Lectures	Not provided	Not provided	Not provided
practical and seminars	54 *	thirty*	24 *
laboratory work (laboratory practice)	Not provided	Not provided	Not provided
Independent work	eighteen	6	12
Current control (quantity and type: cont. Work, colloquium, abstract)	-	-	-
Course work	Essay	-	essay
Types of intermediate certification (exam, test)	Offset	-	offset
Total hours by discipline	72	36	36

\* The number of hours of work of teaching staff with students in a distance format using e-learning

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## Appendix 2

### 10 SPECIAL CONDITIONS FOR STUDENTS WITH RESTRICTED HEALTH OPPORTUNITIES

If necessary, students from among persons with disabilities (at the request of the student) can be offered one of the following options for the perception of information, taking into account their individual psychophysical characteristics:


- For persons with visual impairments: in printed form in an enlarged font; in the form of an electronic document; in the form of an audio file (translation of educational materials into audio format); in printed form in Braille; individual consultations with the involvement of a tiflosurd interpreter; individual assignments and consultations;

- For persons with hearing impairments: in printed form; in the form of an electronic document; videos with subtitles; individual consultations with the involvement of a sign language interpreter; individual assignments and consultations;

- For persons with disabilities of the musculoskeletal system: in printed form; in the form of an electronic document; in the form of an audio file; individual assignments and consultations.

If it is necessary to use partially / exclusively distance educational technologies in the educational process, the organization of work of teaching staff with students with disabilities and disabled people is provided in the electronic information and educational environment, taking into account their individual psychophysical characteristics



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## Appendix 1

### EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

#### Recommended reading list

##### Main

3. Alikeeva G.K., Infectious diseases: textbook / Alikeeva G.K. and others; Ed. ND Yushchuk, Yu. Ya. Vengerova. - 2nd ed., Rev. and add. - M.: GEOTAR-Media, 2016. -- 704 p. - ISBN 978-5-9704-3621-9 - Text: electronic // EBS "Student advisor": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970436219.html>
4. Pokrovsky V.I., Infectious diseases and epidemiology: textbook / Pokrovsky V.I., Pak S.G., Briko N.I., Danilkin B.K. - 2nd ed., Rev. and add. - M.: GEOTAR-Media, 2009. -- 816 p. - ISBN 978-5-9704-1652-5 - Text: electronic // EBS "Student advisor": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970416525.html>

##### Additional

6. Uchaikin V.F., Infectious diseases. Atlas: leadership / Uchaikin V.F., Kharlamova F.S., Shamshева O.V., Polesko I.V. - M.: GEOTAR-Media, 2010. -- 384 p. - ISBN 978-5-9704-1810-9 - Text: electronic // EBS "Student Consultant": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970418109.html>
7. Kuselman, A. I. Herpesvirus infections in children: a guide for doctors / A. I. Kuselman, I. L. Solovyova, A. P. Cherdantsev; ed. A. I. Kuselman; IMEiFK. - Ulyanovsk: UISU, 2017. Kalyuzhin, O.V. Acute respiratory viral infections. - MIA. - 2014. URL [^ftp://10.2.96.134/Text/Kuselman\\_2017.pdf](ftp://10.2.96.134/Text/Kuselman_2017.pdf)
8. Yushchuk N.D., HERPESVIRAL INFECTIONS / N.D. Yushchuk, T.K. Kuskov, M.G. Kulagina, Yu. Ya. Vengerov, Ya.M. Eremushkina, E.G. Belova, V.I. Shakhgildyan - M.: GEOTAR-Media, 2011. - Text: electronic // EBS "Student's Consultant": [site]. - URL:<http://www.studentlibrary.ru/book/970410004V0086.html>
9. Khryanin A.A., HIV infection in therapeutic practice / Khryanin A.A., Reshetnikov O.V. - M.: GEOTAR-Media, 2018. -- 88 p. - ISBN 978-5-9704-4735-2 - Text: electronic // EBS "Student advisor": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970447352.html>
10. Yushchuk N.D., Epidemiology of infectious diseases: textbook / Yushchuk N.D. and others - 3rd ed., revised. And add. - M.: GEOTAR-Media, 2016. -- 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student advisor": [site]. - URL:<http://www.studentlibrary.ru/book/ISBN9785970437766.html>

Согласовано:

**ДИРЕКТОР НБ**

**БУРХАНОВА М.М.**

Должность сотрудника научной библиотеки

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#### B) Software

##### B)) Software

##### c) Professional databases, information and reference systems:


1. Electronic library systems:
  - 1.1. IPRbooks [Electronic resource]: electronic library system / group of companies IPR Media. - Electron. Dan. - Saratov, [2019]. - Access mode: <http://www.iprbookshop.ru...>
  - 1.2. YURAYT [Electronic resource]: electronic library system / LLC Electronic publishing house YURAYT. - Electron. Dan. - Moscow, [2019]. - Access mode: <https://www.biblio-online.ru...>
  - 1.3. Student consultant [Electronic resource]: electronic library system / Polytekhresurs LLC. -

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- Electron. Dan. - Moscow, [2019]. - Access mode:  
<http://www.studentlibrary.ru/pages/catalogue.html>...
2. Consultant Plus [Electronic resource]: reference legal system. / Company "Consultant Plus" - Electron. Dan. - Moscow: Consultant Plus, [2019].
  3. Database of periodicals [Electronic resource]: electronic journals / LLC IVIS. - Electron. Dan. - Moscow, [2019]. - Access mode: <https://dlib.eastview.com/browse/udb/12...>
  4. National Electronic Library [Electronic resource]: electronic library. - Electron. Dan. - Moscow, [2019]. - Access mode: <https://neb.rf...>
  6. Federal information and educational portals:
    - 6.1. Information system Single... Access mode: <http://window.edu.ru>
    - 6.2. Federal portal [Russian education](http://www.edu.ru)... Access mode: <http://www.edu.ru>
  7. Educational resources of UISU:
    - 7.1. Electronic library of UISU. Access mode: <http://lib.ulsu.ru/MegaPro/Web>
    - 7.2. UISU educational portal. Access mode: <http://edu.ulsu.ru>


Согласовано:

*Технический кабинет* | *Бороздина ЮС* | *Бер...* |  
 Должность сотрудника УИТИТ | ФИО | подпись | дата

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	The form	
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**LIST OF CHANGES of  
Speciality 31.05.01. «General medicine»  
Educational plan of discipline ” Current issues of HIV infection”**

<b>№</b>	<b>Content of the change or a link to the attached text of the</b>	<b>Full name of the head of the Department developing the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 1	<b>A.S. Nesterov</b>		31.08.2020
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 1	<b>A.S. Nesterov</b>		31.08.2020

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F - Work program of the discipline		

Appendix 2

## EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

### Recommended reading list

#### Main

5. Alikeeva G.K., Infectious diseases: textbook / Alikeeva G.K. and others; Ed. ND Yushchuk, Yu. Ya. Vengerova. - 2nd ed., Rev. and add. - M.: GEOTAR-Media, 2016. -- 704 p. - ISBN 978-5-9704-3621-9 - Text: electronic // EBS "Student advisor": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970436219.html>
6. Pokrovsky V.I., Infectious diseases and epidemiology: textbook / Pokrovsky V.I., Pak S.G., Briko N.I., Danilkin B.K. - 2nd ed., Rev. and add. - M.: GEOTAR-Media, 2009. -- 816 p. - ISBN 978-5-9704-1652-5 - Text: electronic // EBS "Student advisor": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970416525.html>

#### Additional


11. Uchaikin V.F., Infectious diseases. Atlas: leadership / Uchaikin V.F., Kharlamova F.S., Shamsheva O.V., Polesko I.V. - M.: GEOTAR-Media, 2010. -- 384 p. - ISBN 978-5-9704-1810-9 - Text: electronic // EBS "Student Consultant": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970418109.html>
12. Kuselman, A. I. Herpesvirus infections in children: a guide for doctors / A. I. Kuselman, I. L. Solovyova, A. P. Cherdantsev; ed. A. I. Kuselman; IMEiFK. - Ulyanovsk: UISU, 2017. Kaluzhin, O.V. Acute respiratory viral infections. - MIA. - 2014. URL [^ftp://10.2.96.134/Text/Kuselman\\_2017.pdf](ftp://10.2.96.134/Text/Kuselman_2017.pdf)
13. Yushchuk N.D., HERPESVIRAL INFECTIONS / N.D. Yushchuk, T.K. Kuskov, M.G. Kulagina, Yu. Ya. Vengerov, Ya.M. Eremushkina, E.G. Belova, V.I. Shakhgildyan - M.: GEOTAR-Media, 2011. - Text: electronic // EBS "Student's Consultant": [site]. - URL: <http://www.studentlibrary.ru/book/970410004V0086.html>
14. Khryanin A.A., HIV infection in therapeutic practice / Khryanin A.A., Reshetnikov O.V. - M.: GEOTAR-Media, 2018. -- 88 p. - ISBN 978-5-9704-4735-2 - Text: electronic // EBS "Student advisor": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970447352.html>
15. Yushchuk N.D., Epidemiology of infectious diseases: textbook / Yushchuk N.D. and others - 3rd ed., revised. And add. - M.: GEOTAR-Media, 2016. -- 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student advisor": [site]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

Согласовано:

*И.И. Дибломаткарь* / *И.И. Дибломаткарь* / *С.М. Мотушкина* / *С.М. Мотушкина*  
 Должность сотрудника научной библиотеки / ФИО / подпись / дата

#### Electronic library systems and professional databases:

- 1.1. IPRbooks: electronic library system: website / group of companies IPR Media. - Saratov, [2021]. - URL: <http://www.iprbookshop.ru>. - Access mode: for regi-streer. users. - Text: electronic.
- 1.2. YURAYT: electronic library system: website / LLC Electronic publishing house YURAYT. - Moscow, [2021]. - URL: <https://urait.ru>. - Access mode: for registered. users. - Text: electronic.
- 1.3. Student advisor: electronic library system: website / Poly-tehresurs LLC. - Moscow, [2021]. - URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. - Access mode: for registering users. - Text: electronic.
- 1.4. Doctor's consultant: electronic library system: website / Graduate School of Health Or-

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ganization and Management LLC-Comprehensive Medical Consulting. - Moscow, [2021]. - URL: <https://www.rosmedlib.ru>. - Access mode: for registered. users. - Text: electronic.

1.5. Large medical library: electronic library system: website / LLC Bukap. - Tomsk, [2021]. - URL: <https://www.books-up.ru/ru/library/>. - Access mode: for registered. users. - Text: electronic.

1.6. Lan: electronic library system: website / EBS Lan. - St. Petersburg, [2021]. - URL: <https://e.lanbook.com>. - Access mode: for registered. users. - Text: electronic.

1.7. Znaniy.com: electronic library system: website / Znaniy LLC. - Moscow, [2021]. - URL: <http://znaniy.com>. - Access mode: for registered. users. - Text: electronic.

1.8. Clinical Collection: collection for medical universities, clinics, medical libraries // EBSCOhost: [portal]. - URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. - Access mode: for authorization users. - Text: electronic.

2. ConsultantPlus [Electronic resource]: reference legal system. / LLC "Consultant Plus" - Electron. Dan. - Moscow: ConsultantPlus, [2021].

3. Databases of periodicals:

3.1. Database of periodicals: electronic journals / IVIS LLC. - Moscow, [2021]. - URL: <https://dlib.eastview.com/browse/udb/12>. - Access mode: for auto-riz. users. - Text: electronic.

3.2. eLIBRARY.RU: scientific electronic library: website / Scientific Electronic Library LLC. - Moscow, [2021]. - URL: <http://elibrary.ru>. - Access mode: for auto-riz. users. - Text: electronic

3.3. "Grebennikon": electronic library / ID Grebennikov. - Moscow, [2021]. - URL: <https://id2.action-media.ru/Personal/Products>. - Access mode: for authorization users. - Text: electronic.

4. National Electronic Library: Electronic Library: Federal State Information System: website / Ministry of Culture of the Russian Federation; RSL. - Moscow, [2021]. - URL: <https://neb.rf>. - Access mode: for users of the scientific library. - Text: electronic.

5. SMART Imagebase // EBSCOhost: [portal]. - URL: <https://ebco.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741>. - Access mode: for authorization users. - Image: electronic.

6. Federal information and educational portals:

6.1. Single window of access to educational resources: federal portal / founder of FGAOU DPO TsRGOP and IT. - URL: <http://window.edu.ru/>. - Text: electronic.


6.2. Russian education: federal portal / founder of FGAOU DPO TsRGOP and IT. - URL: <http://www.edu.ru>. - Text: electronic.

7. Educational resources of UISU:



7.1. Electronic library of UISU: module ABIS Mega-PRO / Data Ex-press LLC. - URL: <http://lib.ulsu.ru/MegaPro/Web>. - Access mode: for users of the scientific library. - Text: electronic.


Согласовано:

Земляков Ю.В. / Климова В.В. / А.В.М. / 05.04.2021  
Должность

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	The form	
F - Work program of the discipline		

**LIST OF CHANGES of  
Speciality 31.05.01. «General medicine»  
Educational plan of discipline ” Current issues of HIV infection”**

<b>№</b>	<b>Content of the change or a link to the attached text of the</b>	<b>Full name of the head of the Department developing the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	<b>A.S. Nesterov</b>		31.08.2021
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	<b>A.S. Nesterov</b>		31.08.2021

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	The form	
F - Work program of the discipline		

## Appendix 3

### EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

#### Recommended reading list

##### Main

1. Alikeeva G.K. Infectious diseases: textbook / Alikeeva G.K. K. and others; Ed. N. D. Yushchuk, Yu. Ya. Vengerova. - 2nd ed., revised. and additional - M. : GEOTAR-Media, 2016. - 704 p. - ISBN 978-5-9704-3621-9 - Text: electronic // EBS "Student Advisor": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970436219.html>

2. Pokrovsky V.I., Infectious diseases and epidemiology: textbook Pokrovsky V.I., Pak S.G., Briko N.I., Danilkin B.K. - 2nd ed., corrected. and additional - M. : GEOTAR-Media, 2009. - 816 p. - ISBN 978-5-9704-1652-5 - Text: electronic // EBS "Student Advisor": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970416525.html>

##### Additionally

1. Uchaikin V.F., Infectious diseases. Atlas: manual / Uchaikin V.F., Kharlamova F.S., Shamsheva O.V., Polesko I.V. - M. : GEOTAR-Media, 2010. - 384 p. - ISBN 978-5-9704-1810-9 - Text: electronic // EBS "Student Advisor": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970418109.html>

2. Kuselman, A.V. I. Herpesvirus infections in children: a guide for doctors / A. I. Kuselman, I. L. Solovieva, A. P. Cherdantsev; ed. A. I. Kuselman; IMEiFK. - Ulyanovsk: UIGU, 2017. Kaluzhin O.V. Acute respiratory viral infections. - MIA. - 2014. URL: [ftp://10.2.96.134/Text/Kuselman\\_2017.pdf](ftp://10.2.96.134/Text/Kuselman_2017.pdf)

3. Yushchuk N.D., HERPES VIRUS INFECTIONS / N.D. Yushchuk, T.K. Kuskova, M.G. Kulagina, Yu.Ya. Vengerov, Ya.M. Eremushkina, E.G. Belova, V.I. Shahgildyan - M.: GEOTAR-Media, 2011. - Text: electronic // EBS "Student Consultant": [website]. - URL: <http://www.studentlibrary.ru/book/970410004V0086.html>

4. Khryanin A.A., HIV infection in therapeutic practice / Khryanin A.A., Reshetnikov O.V. - M. : GEOTAR-Media, 2018. - 88 p. - ISBN 978-5-9704-4735-2 - Text: electronic // EBS "Student Advisor": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970447352.html>

5. Yushchuk N.D. Epidemiology of infectious diseases: textbook Yushchuk N.D. and others - 3rd ed., revised. and additional - M. : GEOTAR-Media, 2016. - 496 p. - ISBN 978-5-9704-3776-6 - Text: electronic // EBS "Student Advisor": [website]. - URL: <http://www.studentlibrary.ru/book/ISBN9785970437766.html>

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*Молоткина С.К.*  
ФИО

*[Signature]*  
подпись

*28.04.2022*  
дата

##### Software


c) Professional databases, information and reference systems:

1. Electronic library systems:

1.1. Digital educational resource IPRsmart: electronic library system: site / LLC "IPR Media" company. - Saratov, [2022]. - URL: <http://www.iprbookshop.ru>. - Access mode: for registered users. - Text : electronic.

1.2. Educational platform URAIT: educational resource, electronic library: site / OOO Electronic publishing house URAIT. - Moscow, [2022]. - URL: <https://urait.ru>. - Access mode: for registered users. - Text : electronic.

1.3. Database "Electronic library of a technical university (ELS "Student Consultant"): elec-


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- tronic library system: website / Polytekhresurs LLC. – Moscow, [2022]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Access mode: for registered users. – Text : electronic.
- 1.4. Physician's consultant. Electronic medical library : database : site / LLC Higher School of Organization and Management of Health Care - Integrated Medical Consulting – Moscow, [2022]. – URL: <https://www.rosmedlib.ru>. – Access mode: for registration. users. – Text : electronic.
- 1.5. Large Medical Library: electronic library system: site / LLC Bu-kap. – Tomsk, [2022]. – URL: <https://www.books-up.ru/ru/library/>. – Access mode: for registration. users. – Text : electronic.
- 1.6. EBS Lan: electronic library system: website / EBS Lan LLC. – St. Petersburg, [2022]. – URL: <https://e.lanbook.com>. – Access mode: for registered users. – Text : electronic.
- 1.7. EBS Znaniy.com: electronic library system: website / Znaniy LLC. - Moscow, [2022]. - URL: <http://znaniy.com>. – Access mode : for registered users. - Text : electronic.
- 1.8. Clinical Collection: EBSCO scientific information database // EBSCOhost: [portal]. – URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. – Access mode : for authorization. users. – Text : electronic.
- 1.9. Database "Russian as a foreign language": an electronic educational resource for foreign students: site / IP Company "IP Ar Media" LLC. – Saratov, [2022]. – URL: <https://ros-edu.ru>. – Access mode: for registered users. – Text: electronic.
2. ConsultantPlus [Electronic resource]: reference legal system. / Consultant Plus LLC - Electron. Dan. - Moscow: ConsultantPlus, [2022].
3. Databases of periodicals:
- 3.1. EastView Periodicals Database: Electronic Journals / IVIS LLC. - Moscow, [2022]. – URL: <https://dlib.eastview.com/browse/udb/12>. – Access mode : for authorization. users. – Text : electronic.
- 3.2. eLIBRARY.RU: scientific electronic library: website / LLC Scientific Electronic Library. – Moscow, [2022]. – URL: <http://elibrary.ru>. – Access mode : for authorization. users. – Text : electronic
- 3.3. Electronic library of the Grebennikov Publishing House (Grebinnikon): electronic library / ID Grebennikov LLC. – Moscow, [2022]. – URL: <https://id2.action-media.ru/Personal/Products>. – Access mode : for authorization. users. – Text: electronic.
4. Federal State Information System "National Electronic Library": electronic library: site / FGBU RSL. – Moscow, [2022]. – URL: <https://neb.rf>. – Access mode : for users of the scientific library. – Text: electronic.
5. SMART Imagebase: EBSCO scientific information database // EBSCOhost: [portal]. – URL: <https://ebsco.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741>. – Access mode : for authorization. users. – Image : electronic.
6. Federal information and educational portals:
- 6.1. Single window of access to educational resources : federal portal . – URL: <http://window.edu.ru/>. – Text : electronic.
- 6.2. Russian education: federal portal / founder of FGAU "FITsTO". – URL: <http://www.edu.ru>. – Text : electronic.
7. Educational resources of USU:
- 7.1. Electronic library system of UISU: module "Electronic library" ABIS Mega-PRO / Data Express LLC. – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Access mode : for users of the scientific library. – Text : electronic.



Согласовано:


Зам. зам. УИТИТ | Ключкова Д.В. | [Подпись] | 28.04.2022  
 Должность сотрудника УИТИТ | ФИО | Подпись | дата



Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	The form	
F - Work program of the discipline		

**Speciality 31.05.01. «General medicine»  
Educational plan of discipline ” Current issues of HIV infection”**

<b>№</b>	<b>Content of the change or a link to the attached text of the</b>	<b>Full name of the head of the Department developing the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 3	<b>A.S. Nesterov</b>		29.08.2022
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 3	<b>A.S. Nesterov</b>		29.08.2022

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F - Work program of the discipline		

Appendix 4

**11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE**

**Актуальные вопросы ВИЧ-инфекции**

List of recommended literature:

a) Core reading:

1 Yushchuk, N. D. Infectious diseases : textbook / Yushchuk N. D. , Vengerov Yu. Ya. - Москва : ГЭОТАР-Медиа, 2020. - 464 с. - ISBN 978-5-9704-5504-3. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970455043.html>

2 Cases in Medical Microbiology: diagnostic methods, treatment and prophylaxis of infectious diseases / M. N. Artamonova, N. I. Potaturkina-Nesterova, I. S. Nemova, A. S. Khitrova; Ulyanovsk State University, Insitute of Medicine, Ecology and Physical culture. - Ulyanovsk : ULSU, 2020. - Текст на англ. яз.; Загл. с экрана. - Электрон. текстовые дан. (1 файл : 789 КБ). - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/3997>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

b) Supplementary reading:

1 Tarasova L. G. Orofacial tuberculosis: clinic, diagnosis, differential diagnosis / L. G. Tarasova. - Томск : Издательство СибГМУ, 2020. - 102 с. - ISBN 9785985911596. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/orofacial-tuberculosis-clinic-diagnosis-differential-diagnosis-10782954/>

2 Матиевская Н. В. Tropical and parasitic diseases = Тропические и паразитарные болезни : пособие для студентов учреждений высшего образования, обучающихся по специальности 1-79 01 01 «Лечебное дело» (на англ. яз.) : manual for the Faculty of Foreign Students (in English) / Н. В. Матиевская, Д. А. Жмакин. - Гродно : ГрГМУ, 2019. - 408 с. - ISBN 9789855951279. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/tropical-and-parasitic-diseases-12061046/>

3 Imukhina L. V. Scheme of the infectious patient's medical history in English : Educational and methodical manual / L. V. Ilmukhina, Saranskaya Ya. E.; Ulyanovsk State University. - Ulyanovsk : ULSU, 2022. - 16 p. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11465>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

c) Educational and methodical literature

Ilmukhina L.V.


Instructions for practical exercises and independent work of students of the 6th course on the discipline "Topical issues of hiv infection" for specialty 31.05.01 "General Medicine" (partial development of the English language) : methodical manual / L.V. Ilmukhina, Saranskaya Ya. E; Ulyanovsk State University. - 2021. - 10 p. - Неопубликованный ресурс. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/10893>.

AGREED:



*Leading specialist Смагльникова Смаг 10.04.2023*


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**Speciality 31.05.01. «General medicine»  
Educational plan of discipline ” Current issues of HIV infection”**

<b>№</b>	<b>Content of the change or a link to the attached text of the</b>	<b>Full name of the head of the Department developing the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 4	<b>A.S. Nesterov</b>		28.04.2023
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 4	<b>A.S. Nesterov</b>		28.04.2023

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## EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

### List of recommended literature:

#### a) Core reading:

1 Yushchuk, N. D. Infectious diseases : textbook / Yushchuk N. D. , Vengerov Yu. Ya. - Москва : ГЭОТАР-Медиа, 2020. - 464 с. - ISBN 978-5-9704-5504-3. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970455043.html>

2 Cases in Medical Microbiology: diagnostic methods, treatment and prophylaxis of infectious diseases / M. N. Artamonova, N. I. Potaturkina-Nesterova, I. S. Nemova, A. S. Khitrova; Ulyanovsk State University, Institute of Medicine, Ecology and Physical culture. - Ulyanovsk : ULSU, 2020. - Текст на англ. яз.; Загл. с экрана. - Электрон. текстовые дан. (1 файл : 789 КБ). - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/3997>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

#### b) Supplementary reading:

1 Tarasova L. G. Orofacial tuberculosis: clinic, diagnosis, differential diagnosis / L. G. Tarasova. - Томск : Издательство СибГМУ, 2020. - 102 с. - ISBN 9785985911596. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/orofacial-tuberculosis-clinic-diagnosis-differential-diagnosis-10782954/>

2 Матиевская Н. В. Tropical and parasitic diseases = Тропические и паразитарные болезни : пособие для студентов учреждений высшего образования, обучающихся по специальности 1-79 01 01 «Лечебное дело» (на англ. яз.) : manual for the Faculty of Foreign Students (in English) / Н. В. Матиевская, Д. А. Жмакин. - Гродно : ГрГМУ, 2019. - 408 с. - ISBN 9789855951279. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL : <https://www.books-up.ru/ru/book/tropical-and-parasitic-diseases-12061046/>

3 Imukhina L. V. Scheme of the infectious patient's medical history in English : Educational and methodical manual / L. V. Imukhina, Saranskaya Ya. E.; Ulyanovsk State University. - Ulyanovsk : UISU, 2022. - 16 p. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11465>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.


#### c) Educational and methodical literature

Imukhina L. V.

Instructions for practical classes and independent work of students of the 5th course on the discipline "Infectious diseases" for direction 31.05.01 " General medicine " : methodical manual / L.V. Imukhina, Saranskaya Ya. E; Ulyanovsk State University. - Ulyanovsk : UISU, 2021. - 25 p. - Неопубликованный ресурс. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/10891>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

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Золотарь Юлия | Коченов В | [Signature] | \_\_\_\_\_  
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F - Work program of the discipline		

## D) Professional databases, information and reference systems

### 1. Electronic library systems:

1.1. IPRsmart digital educational resource : electronic library system :

website / IP Media Company LLC. - Saratov, [2024]. – URL:

<http://www.iprbookshop.ru> - Access mode: for registration. users. - Text : electronic.

1.2. YURAYT educational platform: educational resource, electronic

library : website / LLC Electronic publishing house "YURAYT". – Moscow, [2024]. - URL:

<https://urait.ru> - Access mode: for registration. users. - Text : electronic.

1.3. Database "Electronic library of a technical university (EBS "

Student Consultant") : electronic library system : website / LLC "Politehresurs". – Moscow, [2024]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Access mode: for registration. users. – Text : electronic.

1.4. Doctor's consultant. Electronic Medical Library : database : website /

LLC Higher School of Healthcare Organization and Management-Comprehensive medical consulting". – Moscow, [2024]. – URL: <https://www.rosmedlib.ru> -

Access mode: for registration. users. – Text : electronic.

1.5. Large Medical Library : electronic library system : website /

LLC "Bukap". – Tomsk, [2024]. – URL: <https://www.books-up.ru/ru/library/> . – Access mode: for registration. users. – Text : electronic.

1.6. EBS Lan : electronic library system : website / EBS Lan LLC. – St.

Petersburg, [2024]. – URL: <https://e.lanbook.com> - Access mode: for registration. users. – Text : electronic.

1.7. EBS Znanium.com : electronic library system : website / Znanium LLC. -

Moscow, [2024]. - URL: <http://znanium.com> . – Access mode : for registration. users. - Text : electronic.

**2. ConsultantPlus** [Electronic resource]: legal reference system. / LLC

Consultant Plus - Electron. dan. - Moscow : ConsultantPlus, [2024].

**3. eLIBRARY.RU : scientific electronic library** : website / LLC "Scientific

Electronic Library". – Moscow, [2024]. – URL: <http://elibrary.ru> - Access mode : for authorization. users. – Text : electronic

**4. Federal State Information System "National**

Electronic Library" : electronic library : website / FGBI RGB. – Moscow, [2024]. –

URL: <https://нэб.рф> – Access mode: for users of the scientific library. – Text : electronic.

**5. Russian education : federal portal** / founder of FGAU "FITZTO". –

URL: <http://www.edu.ru> - Text : electronic.

**6. UISU electronic Library system: module "Electronic Library"**

**ABIS Mega-PRO / Date Express LLC.** – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Mode access : for users of the scientific library. – Text : electronic.

Agreed:

Lead Engineer / Shchurenko Yu.V. / \_\_\_\_\_

Должность сотрудника УИТИТ


Name





signature

\_\_\_\_\_ / 16.04.2024

date

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	The form	
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**LIST OF CHANGES of  
Speciality 31.05.01. «General medicine»  
Educational plan of discipline ” Current issues of HIV infection”**

<b>№</b>	<b>Content of the change or a link to the attached text of the</b>	<b>Full name of the head of the Department developing the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 5	<b>A.S. Nesterov</b>		<b>22.05.2024</b>
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 5	<b>A.S. Nesterov</b>		<b>22.05.2024</b>