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Federal State Budget Educational Institution
of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY
First Vice-Rector

_____ / Trankovskaya L.V./
"9" июня 2025

DISCIPLINE WORK PROGRAM

Б1.О.32 Infectious diseases

(name of discipline)

Specialty	**31.05.01 General Medicine for international students (in English)** (code, name)
Degree	Specialist's degree
Profile	02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system)
Mode of study	Full-time
Period of mastering the BEP	**6 years** (nominal length of study)
Department	of Infectious Diseases

Vladivostok, 2025

Program of the discipline **Б1.О.32 Infectious diseases** is based on:
1) Federal State Educational Standard of Higher Education for the specialty approved by the Order No. 988 of Ministry of Science and Higher Education of the Russian Federation
dated August 12, 2020.

2) Curriculum for the 31.05.01 General Medicine for international students (in English), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), approved by the Academic Council of FSBEI HE PSMU of the Ministry of Health of Russia, Report No. 8/24-25 dated March 31, 2025.

Work program for the discipline was developed by the writing team of the Department of Infectious Diseases of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the head of the department, Doctor of Medical Sciences, Associate Professor Simakova A.I..

Developed by:

Assistant professor	Candidate of Medical Sciences	Li Yu.A.
(position held)	(academic degree, academic title)	(full name)

1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering Б1.О.32 Infectious diseases

The purpose of mastering the discipline is obtaining knowledge of the etiology, epidemiology and pathogenesis of infectious diseases, clinical manifestations of infections, as well as the principles of diagnosis, treatment and prevention of infectious diseases.

Objectives of mastering the discipline:

1. Acquiring knowledge on etiology, epidemiology, pathogenesis and risk factors in the field of infectious diseases;
2. Mastering the most important patient interview and physical examination methods that allow timely diagnosis of an infectious disease;
3. Learning to recognize risk factors and clinical signs of infectious diseases when examining a patient, when determining the severity of the pathological process;
4. Developing the ability to determine the leading clinical and epidemiological signs, symptoms, and syndromes of infectious diseases;
5. Leaning to select optimal methods for laboratory and instrumental examination in major infectious diseases and create a differential diagnosis algorithm.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **Б1.О.32 Infectious diseases** is included in the Mandatory part of the Unit 1 of the basic educational program for the specialty 31.05.01 General Medicine for international students (in English), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), and is part of the 9th and 10th semesters' curriculum

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **Б1.О.32 Infectious diseases** is aimed at the development of students' competencies. The discipline facilitates the development of students' competencies corresponding to the types of professional activity.

Name of competency category (group) / Labor function	**Code and Name of competency of the graduate**	**Competency Indicators**
General Professional Competencies		
Etiology and pathogenesis	GPC-5. Is able to assess morphofunctional status, physiological states, and pathological processes in the human body when working to achieve objectives of professional activity	CI.GPC-5_1- assesses the morphofunctional state based on the acquired knowledge CI.GPC-5_2- distinguishes between pathological and physiological processes, identifies etiology of changes CI.GPC-5_3- provides diagnostic assessment of the identified changes
Treatment of diseases and conditions	GPC-7. Is able to prescribe treatment and monitor its efficacy and safety	CI.GPC-7_1- prescribes treatment, selects dosage of medications and treatment regimens in accordance with existing guidelines with no outside help CI.GPC-7_2- monitors the efficacy of treatment and adjusts the medication regimen if necessary CI.GPC-7_3- considers contraindications when prescribing treatment and identifies adverse drug reaction
Professional Competencies		
A/01.7 Providing emergency	PC-2 Ability and readiness	CI.PC-2_1- has a grasp of life-threatening

or urgent medical care to the patient	to recognize urgent and life-threatening conditions in acute surgical pathology, traumatic conditions, diseases of the female genital organs and pregnancy requiring urgent and emergency medical care	conditions in acute surgical pathology, traumatic conditions, pregnancy and childbirth, that require urgent and emergency medical care; CI.PC-2_2- demonstrates skills and selects the tactics of patient management in infectious and noninfectious diseases requiring emergency and urgent medical care; CI.PC-2_3- diagnoses life-threatening and emergency conditions in diseases of the organs of visual system and ENT organs, determines the tactics of patient management and providing emergency medical care
A/02.7 Examination of the patient in order to make a diagnosis	PC-3 Ability and readiness to collect and analyze complaints that a patient presents with, anamnestic data, examination results, results of laboratory and instrumental tests, biopsy and other studies in order to identify patient's condition or establish the presence or absence of a disease	CI.PC-3_1- collects patient's anamnesis, conducts examination, palpation, percussion and auscultation in healthy people with noninfectious and infectious diseases of internal organs, provides a diagnostic assessment of the identified symptoms, diagnoses syndromes; CI.PC-3_2- identifies pathogenetic and pathomorphological features of diseases of internal organs; CI.PC-3_3- selects required additional diagnostic methods, evaluates their results in order to recognize patient's condition, establish the presence or absence of the disease
	PC-4 Ability and readiness to identify main pathological conditions, syndromes, symptoms of diseases, specific diseases of a patient in accordance with International Statistical Classification of Diseases and Related Health Problems	CI.PC-4_1- diagnoses syndromes and makes preliminary diagnoses based on the results of a physical examination in noninfectious and infectious diseases of internal organs; CI.PC-4_2- conducts differential diagnosis of noninfectious and infectious diseases of internal organs, assesses the prognosis, formulates the need for additional counseling by doctors of different specialties; CI.PC-4_3- makes the final diagnosis and formats it in accordance with the ICD
A/03.7 Prescribing treatment and monitoring its efficiency and safety	PC-6 Ability and readiness to select a type of patient routing based on current medical care procedures	CI.PC-6_1- has a grasp of the distribution of patient flows depending on the patient's reason for seeking medical help;

3.2. Types of professional activity corresponding to competencies developed over the course of mastering **Б1.О.32 Infectious diseases**:

Types of professional activity objectives

1. *Medical*

Kinds of professional activity objectives

1. *Diagnostics*
2. *Treatment*

3.3. Planned learning outcomes of mastering the discipline are represented by knowledge, skills, abilities and/or experience, characterize the stages of developing competencies and ensure

achievement of the planned outcomes of mastering the basic educational program. Learning outcomes of a discipline are correlated with competency indicators.

4. SCOPE AND CONTENT OF THE DISCIPLINE

4.1. Scope of the Discipline and Types of Academic Work

Type of Academic Work		Total Hours	Semesters	
			9	10
			hours	hours
1		2	3	4
Classroom hours (total), including:		**180**	**96**	**84**
Lectures (L)		56	28	28
Practical classes (C)		124	68	56
Independent work of the student (IW), including:		**108**	**48**	**60**
Preparing for classes (CP)		50	30	20
Preparing for continuous assessment (CAP)		30	18	12
Preparation for interim assessment (IAP)		28		28
Interim assessment		36		36
Type of interim assessment	pass/fail test (T)			
	exam (E)	E		E
TOTAL: TOTAL credit value	hrs.	**324**	**144**	**180**
	credits	**9**	**4**	**5**

4.2. Contents of the Discipline

4.2.1. Topics of Discipline Lectures and Academic Hours per Semester

No.	Lecture Topic	Hours
1	2	3
	Semester No. 9	
1.	Introduction to Infectious diseases (ID). ID classification. Methods of diagnosis and treatment	2
2.	Salmonellosis: Typhoid fever. Paratyphi A and B. Salmonellosis	2
3.	Food poisoning (food toxicoinfections). Gastro-intestinal syndrome in ID	2
4.	Botullism. Shigellosis	2
5.	Cholera. Dehydration syndrome	2
6.	Yersiniosis: pseudotuberculosis, yersiniosis	2
7.	Viral hepatitis A, E	2
8.	Acute respiratory viral infection: Influenza. Adenoviral infection. Catarrhal syndrome	2
9.	Coronavirus infection	2
10.	Diphtheria. Meningococcal infection. Meningeal syndrome	2
11.	Childhood infections in adults	2
12.	Viral hepatitis B, C, D, G	2
13.	Streptococci infection: Erysipelas	2
14.	Helminthiasis	2
	Hours per semester total	**28**
	Semester No. 10	

1.	Tick-borne infections	2
2.	Plague. Tularemia. Tonsillitis syndrome (bubo)	2
3.	Wound infections: Tetanus. Rabies. Anthrax	2
4.	Brucellosis. Leptospirosis	2
5.	Malaria	2
6.	HIV-infection	2
7.	Opportunistic diseases	2
8.	Herpes virus infections	2
9.	Hemorrhagic fevers	2
10.	Fever and intoxication syndromes.	2
11.	Exanthema (rash) syndrome	2
12.	Lymphoadenopathy. Tonsillitis	2
13.	Jaundice syndrome	2
14.	Emergency conditions in Infectious diseases	2
	Hours per semester total	**28**

4.2.2. Topics of Discipline Practical Classes and Academic Hours per Semester

No.	**Practical Class Topic**	**Hours**
1	2	3
	Semester No. 9	
1	Introduction to Infectious diseases (ID). ID classification. Methods of diagnosis and treatment	4
2	Salmonellosis: Typhoid fever. Paratyphi A and B. Salmonellosis	4
3	Food poisoning (food toxicoinfections). Gastro-intestinal syndrome in ID	4
4	Shigellosis. Cholera. Botullism	4
5	Yersiniosis: Pseudotuberculosis, Yersiniosis (Y.enterocolitica)	4
6	Hepatitis A and E. Viral gastroenteritis (Rotavirus infection. Norwalk (norovirus) gastroenteritis)	4
7	Acute respiratory infection. Catarrhal and respiratory syndrome. Pneumococcal infection. Legionellosis. Ornitosis	4
8	Acute respiratory viral infection: Influenza. Adenovirusl infection.	4
9	Coronavirus infection	4
10	Diphtheria	4
11	Meningococcal infection. Meningeal syndrome	4
12	Children infections in adults: Scarlet fever. Measles. Rubella. Pertussis (whooping cough). Chickenpox. Mpox. Epidemic parotitis	4
13	Viral hepatitis B, D	4
14	Viral hepatitis C, G.	4
15	Poliomyelitis and slow infections of the CNS (Prion diseases and other)	4
16	Streptococci infection: Erysipelas. Leishmaniosis. Leprosy	4
17	Protozoan infections (Amebiasis. Lambliosis). Helminthiasis.	4
	Hours per semester total	**68**
	Semester No. 10	
1	Tick-borne infections: Tick-borne encephalitis. Lyme disease (Borreliosis). Tick-borne relapsing fever. Tick-borne rickettsiosis (Marseille fever, Tick-borne typhus, Ehrlichiosis, Q fever). Babesiosis	4
2	Plague. Tularemia	4
3	Wound infections: Tetanus. Rabies. Anthrax	4

4	Brucellosis. Leptospirosis	4
5	Malaria	4
6	HIV-infection	4
7	HIV-infection. Opportunistic diseases	4
8	Herpes viral infections	4
9	Fever and intoxication syndrome	4
10	Exanthema (rash) syndrome	4
11	Lymphadenopathy. Tonsillitis syndrome	4
12	Jaundice syndrome in infectious diseases	4
13	Poliomyelitis and slow infections of CNS (Prion diseases and other)	4
14	Medical emergencies in the practice of an infectious disease doctor	4
	Hours per semester total	**56**

4.2.3. Independent Work of the Student

No.	Name of the Discipline Section	Type of IW	Total Hours
1	3	4	5
	Semester No. 9		
1	Gastro-intestinal infectious diseases	Preparing a report on one of the topics: - Escherichiosis - Campillobacteroisis - Listeriosis - Rotaviral infection. - Norwalk (norovirus) gastroenteritis	12
2	Acute respiratory infection	Preparing a report on one of the topics: - Legionellosis - Ornitosis - SARS - MERS - Bird flu in humans - Haemophilus influenzae - RC-infection - Metapneumoviruses - Rhinoviruses	12
3	Childhood infections in adults	Preparing a report on one of the topics: - Scarlet fever - Measles - Rubella - Pertussis (whooping cough) - Chickenpox - Mpox - Epidemic parotitis	12
4	Protozoan infections. Helminthiasis	Preparing a report on one of the topics: - Amebiasis - Lambliosis - Infestations (pediculosis,	12

		scabies, myiasis)	
	Hours per semester total		**48**
	Semester No. 10		
1	Tick-borne infections	Preparing a report on one of the topics: - Tick-borne relapsing fever - Tick-borne rickettsiosis (Marseille fever, Tick-borne typhus, Ehrlichiosis, Q fever) - Babesiosis	12
2	HIV-infection. Opportunistic diseases	Preparing a report on one of the topics: - HSV 1, HSV 2, EBV, CMV, Herpes Zoster, HHV 6, 7, 8 - Toxoplasmosis - Cryptosporidiosis - Pneumocystosis - JC-virus	12
3	Exanthema (rash) syndrome	Preparing a report on one of the topics: - Hemorrhagic fevers - Hemorrhagic fever with renal syndrome - Yellow fever - Dengue fever - Ebola - Lassa fever - Marburg fever - West Nile fever	12
4	Poliomyelitis and slow infections of CNS (Prion diseases and other)	Preparing a report on one of the topics: - Creutzfeldt-Jakob disease - Gerstmann-Sträussler-Scheinker disease (GSS) - Kuru - Fatal insomnia (FI)	12
5	Medical emergencies in the practice of an infectious disease doctor	Preparing a report on one of the topics: - Infectious septic shock - Acute renal failure - Acute respiratory failure - Acute liver failure - Respiratory distress syndrome	12
	Hours per semester total		**60**

5. REQUIREMENTS FOR IMPLEMENTATION OF DISCIPLINE

5.1. Discipline Requirements for Educational Materials and Provided Information

Essential reading

No.	Name/Title, Resource Type	Author(s)/Editor	Publisher Imprint, Web Address	Number of Copies (accesses) in the Library

				and Information Center
1	**2**	**3**	**4**	**5**
1	Infections Associated with Healthcare. Epidemiology and Prevention. Study Guide.	V. B. Turkutyukov, G. T. Dzyuba, et al.	Meditsina DV, 2021.	68
2	Medical Parasitology: Study Guide.	G. Ts. Polezhaeva, G. T. Dzyuba, et al.	Meditsina DV, 2017.	65
3	Atlas of Infectious Diseases [Electronic Resource]	Ed. by V. I. Luchshev, S. N. Zharov, V. V. Nikiforov	URL: http://www.studenti1brary.ru	Unlimited access
4	Bacterial Diseases: Study Guide [Electronic Resource]	Ed. by N. D. Yushchuk.	URL: http://www.studenti1brary.ru	Unlimited access
5	Infectious Diseases: Textbook [Electronic Resource]	Ed. by N. D. Yushchuk, Yu. Ya. Vengerov.	3rd ed., GEOTAR-Media, 2022. URL: http://www.studenti1brary.ru/	Unlimited access
6	Infectious diseases: textbook [Electronic resource]	G. K. Alikeeva et al.; edited by N. D. Yushchuk, Yu. Ya. Vengerova. -	2nd ed., revised and enlarged. - M.: GEOTAR-Media, 2016. - 704 p.	Unlimited access
7	Pokrovsky, V.I. Infectious diseases and epidemiology: textbook [Electronic resource]	V.I. Pokrovsky, S.G. Park, N.I. Briko	- 3rd ed., revised. and additional 2013. - 1008 pp.: ill. URL: http ://www. studentlibrary.ru/	Unlimited access

Supplementary reading

No.	**Name/Title, Resource Type**	**Author(s)/Editor**	**Publisher Imprint, Web Address**	**Number of Copies (accesses) in the Library and Information Center**
1	**2**	**3**	**4**	**5**
1	Epidemiology and Prevention of Vaccine-Preventable Diseases The Pink Book: Course Textbook.	Elisha Hall, PhD, RD A. Patricia Wodi, MD Jennifer Hamborsky, MPH, MCHES® Valerie Morelli Sarah Schillie, MD, MPH, MBA	https://www.cdc.gov/pinkbook/hcp/table-of-contents/front-matter.html	Unlimited access
2	CDC Yellow Book Health Information for International Travel	National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) Division of Global Migration Health (DGMH)	https://wwwnc.cdc.gov/travel/yellowbook/2024/table-of-contents	Unlimited access
3	All about mycosis		https://drfungus.org/	Unlimited access

4	Clinical Guidelines The federally approved clinical practice guidelines for HIV/AIDS are developed by panels of experts in HIV care. More information about the panels can be found in each set of guidelines. The guidelines are available in multiple formats. The brief versions of the guidelines are compilations of the panels' treatment recommendations and tables.		https://clinicalinfo.hiv.gov/en/guidelines	Unlimited access

Online resources

1. Electronic library system "Student Consultant" http://studmedlib.ru/
2. Electronic library system "University Library Online"http://www.biblioclub.ru/
3. Electronic library system "Urait" https://urait.ru/
4. Electronic library system "BookUp" https://www.books-up.ru/
5. Resources owned by the Library and Information Center of FSBEI HE PSMU of the Ministry of Health of Russia https://tgmu.ru/university/bibliotechno-informacionnyj-centr/resursy-bic/sobstvennye/

Online resources and respective user guides are available on the Library and Information Center website Library and Information Center — PSMU (tgmu.ru)

5.2. Discipline Requirements for Facilities and Resources

Information on the facility and resource availability and requirements of the discipline is available on the Facility and resource availability and requirements. FSBEI HE PSMU of the Ministry of Health of Russia (tgmu.ru)" page of the official website of the university.

5.3. List of Information Technologies, Information and Reference Systems, Licensed and Free Software (Including Domestically-developed Software):

1. PolycomTelepresence M100 Desktop Conferencing Application (Videoconference system)
2. SunRav Software tTester
3. 7-PDF Split & Merge

4. ABBYYFineReader
5. Kaspersky Endpoint Security
6. INDIGO online testing system
7. Microsoft Windows 7
8. Microsoft Office Pro Plus 2013
9. 1C:University
10. GARANT system
11. MOODLE (Modular Object-Oriented Dynamic Learning Environment)

6. ASPECTS OF THE IMPLEMENTATION OF THE DISCIPLINE FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

6.1. Availability of Accessible Environment

For students with disabilities and special needs, if a written application is submitted, lectures and practical classes are carried out taking into account health limitations, individual capabilities and medical status (hereinafter referred to as individual characteristics) of the student. Compliance with the following general requirements is ensured: teaching aids for collective and individual use are provided, required technical assistance is provided by an assistant; buildings and premises where lectures and practical classes are taking place meet accessibility requirements, other arrangements lack of which makes it impossible or difficult to master the discipline are made.

6.2. Ensuring Compliance with General Requirements

When lectures and practical classes are carried out at the written application of the student, the following general requirements are met: lectures and practical classes for students with disabilities and special needs take place at the same location as for students who do not have disabilities, if this does not cause difficulties for students; an assistant (assistants), who provide(s) students with the necessary technical assistance taking into account individual characteristics of the student, is (are) provided; necessary teaching aids are provided, taking into account individual characteristics of the student.

6.3. Availability of the Internal Policies and Procedures of FSBEI HE PSMU of the Ministry of Health of Russia to Students with Disabilities in a Format Accessible to Them.

All internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia concerning the discipline are made available to students with disabilities in a format accessible to them.

6.4. Increase in the Time Limit of Interim Assessment for Students with Disabilities and Special Needs in Relation to the Established duration

Format of the interim assessment of academic performance within the scope of the discipline conducted for students with disabilities and special needs is selected taking into account individual characteristics of the students (orally, by writing on paper, by typing on a computer, as a test, etc.). The duration of the interim assessment in relation to the established duration is increased at the written application of the student with disabilities. Time limit for the student's preparation for the test is increased by at least 0.5 hours.

7. STAFFING REQUIREMENTS OF THE DISCIPLINE

Academic teaching personnel that ensure the implementation of the discipline education process meet the requirements of the Federal State Educational Standard of Higher Education for the 31.05.01 General Medicine for international students (in English) specialty; list of the aforementioned personnel is available on the website of the educational organization.

8. TUTORIAL WORK

Type of tutorial work	Forms and approaches to tutorial work	Assessment criteria
Assistance in personal growth	Overt Conversations and discussions promoting a healthy lifestyle. Participation in conferences on healthy living.	Portfolio
	Covert – creating atmosphere and infrastructure. Creating a friendly, respectful atmosphere. Fostering a culture of health preservation.	
Civic position and values	Overt Events fostering civil-legal culture (round tables, discussions).	Portfolio
	Covert Emphasizing civic values and legal culture in professional practice.	
Social values	Overt Addressing issues of healthy lifestyle and health-saving technologies. Discussing environmental impact on public health.	Portfolio
	Covert Fostering social identity through education and profession.	