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Должность: И.о. ректора
Дата подписания: 02.07.2026 11:40:47
Уникальный программный ключ:
d59234ba928aea5c04c54eb9013e367220b6b2ae

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" мая 2025

DISCIPLINE WORK PROGRAM

Б1.О.29 Propedeutics of internal 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)
Institute	of Simulation and Training Technology

Vladivostok, 2025

Program of the discipline **Б1.О.29 Propedeutics of internal 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 Institute of Simulation and Training Technology of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the head of the department, Gnezdilov V.V.

Developed by:

Director of the Institute		Gnezdilov V.V.
(position held)	(academic degree, academic title)	(full name)
Professor	Doctor of Medical Sciences, Associate professor	Solyanik E.V.
(position held)	(academic degree, academic title)	(full name)
Assistant professor	Candidate of Medical Sciences	Maystrovskaya Yu.V.
(position held)	(academic degree, academic title)	(full name)

1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering Б1.О.29 Propedeutics of internal diseases

The purpose of mastering the discipline is to acquire knowledge about the symptoms and syndromes of diseases of internal organs, methods of physical examination of the patient, methodology of clinical thinking necessary for making a preliminary and final diagnosis, and knowledge about the diagnostic value of additional examination methods.

Objectives of mastering the discipline:

1. Acquiring knowledge about the diagnostic significance of symptoms and syndromes in diseases of internal organs, the clinical classification of the most common diseases of internal organs, including taking into account the ICD;
2. Acquiring knowledge about the etiology of the most common diseases of internal organs, pathogenetic mechanisms of their formation, pathomorphological changes in internal organs and patterns of their transformation in diseases of various organs and systems;
3. Acquiring knowledge about the pathogenetic mechanisms and symptoms of the most common emergency conditions in diseases of internal organs;
4. Develop skills of patient examination, identification of the main symptoms, their diagnostic assessment, features of examination of patients with various diseases of internal organs;
5. Develop skills basic skills in determining the scope of additional examination for diagnosis verification, diagnostic evaluation of laboratory, instrumental, and functional methods;
6. Develop skills of maintaining medical records;
7. Develop skills of communicating with patients and medical staff based on the rules of ethics and deontology in different clinical situations.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **Б1.О.29 Propedeutics of internal 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 5th and 6th semesters' curriculum

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **Б1.О.29 Propedeutics of internal 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		
Instrumental Diagnostics	GPC-4. Is able to use medical devices included in the healthcare guidelines, as well as perform medical examination to make a diagnosis	CI.GPC-4_1- uses medical devices for diagnosis, treatment and rehabilitation in accordance with healthcare guidelines CI.GPC-4_2- performs medical examination of a patient using basic and general clinical skills, laboratory tests and diagnostic procedures CI.GPC-4_3- evaluates medical examination results in order to make a diagnosis
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

Professional Competencies		
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

3.2. Types of professional activity corresponding to competencies developed over the course of mastering **Б1.О.29 Propedeutics of internal 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**	
		5	**6**
		hours	**hours**
1	2	3	4
Classroom hours (total), including:	**184**	**96**	**88**
Lectures (L)	68	36	32

Practical classes (C)		116	60	56
Independent work of the student (IW), including:		**140**	**84**	**56**
Preparing for classes (CP)		60	40	20
Preparing for continuous assessment (CAP)		44	24	20
Preparation for interim assessment (IAP)		36	20	16
Interim assessment		36		36
Type of interim assessment	pass/fail test (T)			
	exam (E)	E		E
TOTAL: TOTAL credit value	hrs.	**360**	**180**	**180**
	credits	**10**	**5**	**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. 5	
1.	Propedeutics of internal diseases: history, definition of disease, symptoms, syndromes, physical examination methods, and additional examination methods	2
2.	Patient record, standard framework of patient interview	2
3.	General patient interview	2
4.	Respiratory diseases: complaints, anamnesis morbi, anamnesis vitae, pulmonary inspection, chest palpation	2
5.	Percussion: significance, technique, type of sounds, diagnostic value. Lung percussion. Lung auscultation: significance, technique, type of sounds, diagnostic value	2
6.	The main clinical syndromes of respiratory system diseases	2
7.	Cardiovascular diseases: complaints, anamnesis morbi, anamnesis vitae, inspection	2
8.	Cardiovascular diseases: observation and palpation of precordial region, examination of pulse, and blood pressure measurement	2
9.	Cardiovascular diseases: observation and palpation of precordial region	2
10.	Cardiovascular diseases: percussion	2
11.	Cardiovascular system: auscultation of the heart, heart sounds, organic and functional heart murmurs	2
12.	Electrocardiogram: leads, augmented leads, precordial leads, waves and intervals, clinical significance	2
13.	Main complaints of patients with gastrointestinal diseases, specifics of anamnesis morbi and anamnesis vitae, The physical examination of gastrointestinal system. The main rules of oral cavity examination, abdominal examination, goals and rules of superficial and deep palpation	2
14.	Main complaints of patients with hepatobiliary system diseases, specifics of anamnesis morbi and anamnesis vitae. The examination of hepatobiliary system. The main clinical syndromes of hepatobiliary system diseases	2
15.	Main complaints of patients with renal diseases, specifics of anamnesis morbi and anamnesis vitae. The physical examination of renal system. The main clinical syndromes of renal system diseases	2
16.	Main complaints of patients with endocrine diseases and examination of	2

	endocrine system	
17.	The main syndromes in hematology	2
18.	Examination methods and semiotics of allergy manifestations. Diagnostics of inflammatory and degenerative diseases of musculoskeletal system	2
	Hours per semester total	**36**
	Semester No. 6	
1.	Pneumonia, pleurisy. Etiology, classification, clinical features (physical examination, laboratory and instrumental testing)	2
2.	Bronchial asthma, classification, clinical features (physical examination, laboratory and instrumental testing)	2
3.	Chronic obstructive pulmonary disease, etiology, classification, clinical features (physical examination, laboratory and instrumental testing)	2
4.	Respiratory failure, Etiology, classification, clinical features (physical examination, laboratory and instrumental testing)	2
5.	Arterial hypertension and symptomatic arterial hypertension	2
6.	Acute rheumatic fever, infective endocarditis: causes and pathogenesis, pathological changes of tissues, clinical features (complaints, physical examination, laboratory and instrumental testing)	2
7.	Heart valves diseases: mitral heart valve diseases, definition, causes, changes of hemodynamics due to heart valves diseases, clinical features, instrumental testing	2
8.	Heart valves diseases: aortic heart valve diseases, definition, causes, changes of hemodynamics due to heart valves diseases, clinical features, instrumental testing	2
9.	Coronary artery disease. Definition, classification, causes, risk factors, clinical features, instrumental testing. Risk factors of coronary artery disease. Classification of coronary artery disease. Angina pectoris: clinical features (complaints, physical examination). Grading of stable angina	2
10.	Myocardial infarction: classification, complaints, physical examination, ECG features, laboratory testing, complications	2
11.	Heart rhythm disorders	2
12.	Gastritis. Stomach and duodenal ulcer (complaints, physical examination, laboratory and instrumental testing)	2
13.	Hepatitis and cirrhosis. Classification of chronic hepatitis. Clinical features of different forms of chronic hepatitis. Clinical features of different forms of liver cirrhosis. Diagnostics of liver cirrhosis	2
14.	Acute and chronic glomerulonephritis. Pyelonephritis. Glomerulonephritis: clinical features (complaints, physical examination, laboratory and instrumental testing). Pyelonephritis: clinical features (complaints, physical examination, laboratory and instrumental testing)	2
15.	Hematologic diseases, clinical features (complaints, physical examination, laboratory and instrumental testing)	2
16.	Diabetes mellitus, clinical features (complaints, physical examination, laboratory and instrumental testing)	2
	Hours per semester total	**32**

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

No.	**Practical Class Topic**	**Hours**
1	2	3
	Semester No. 5	
1	Introduction to propedeutics of internal diseases. Patient record, main sections. Complains: chief and additional, general complaints, history of present illness, health/family history	4
2	General inspection of a patient, inspection of a patient’s face, neck, and thyroid	4

	gland	
3	Complaints of patient with respiratory system diseases, anamnesis morbi (history of present illness), anamnesis vitae (health/family history). Static (shape of chest) and dynamic inspection (rate, rhythm, depth, and quality) inspection of the chest. Palpation of chest, diagnostic significance	4
4	Method of percussion, the rules and technique of comparative and topographic percussion	4
5	Lung auscultation: significance, technique, main sounds, additional sounds, diagnostic value	4
6	Pulmonary syndromes. Syndrome of focal consolidation of pulmonary tissue, pleural effusion syndrome, pneumothorax syndrome, lung cavity syndrome, atelectasis syndrome, pulmonary emphysema, respiratory failure	4
7	Main complaints of patient with cardiovascular system diseases: pain or discomfort in the center of the chest, dyspnoe, irregular heartbeat, cardiac edema. Risk factors of cardiovascular diseases, features of anamnesis morbi and vitae, precordial observation, clinical significance	4
8	Palpation of precordial region: apex impulse (location, size, and characteristics), clinical significance, Examination of pulse and blood pressure measurement	4
9	Percussion of borders of the cardiac dullness. Rules and techniques of percussion; changes in patient with cardiovascular diseases, clinical significance	4
10	Auscultation of heart: auscultation areas; physiological and pathological changes of heart sounds, technique, and clinical significance	4
11	Electrocardiogram: leads, augmented leads, precordial leads, waves and intervals, clinical significance	4
12	Main complaints of patients with gastrointestinal system diseases. Physical examination of gastrointestinal system. The main rules of oral cavity, abdominal examination, goals and rules of superficial and deep palpation, The main clinical syndromes of gastrointestinal system diseases	4
13	The main complaints of patients with diseases of the liver and biliary tract. General inspection of patients with liver diseases, percussion and palpation of liver and spleen	4
14	Main complaints of patients with renal diseases, features of disease history and life history, risk factors of renal system disease, the main clinical syndromes of renal system diseases	4
15	Main complaints of patients with endocrine diseases and examination of endocrine system. Main complaints of patients with hematologic diseases and examination of hematology system	4
	Hours per semester total	**60**
	Semester No. 6	
1	Pneumonia, pleurisy. Etiology, classification, clinical features (physical examination, laboratory and instrumental testing)	4
2	Bronchial asthma, classification, clinical features (physical examination, laboratory and instrumental testing)	4
3	Chronic obstructive pulmonary disease, etiology, classification, clinical features (physical examination, laboratory and instrumental testing)	4
4	Arterial hypertension and symptomatic arterial hypertension. Coronary artery disease. Definition, classification, causes, risk factors, clinical features, instrumental testing	4
5	Acute rheumatic fever, infective endocarditis: causes and pathogenesis, pathological changes of tissues, clinical features (complaints, physical examination, laboratory and instrumental testing)	4
6	Heart valves diseases: mitral heart valve diseases, definition, causes, changes of	4

	hemodynamics due to heart valves diseases, clinical features, instrumental testing	
7	Heart valves diseases: aortic heart valve diseases, definition, causes, changes of hemodynamics due to heart valves diseases, clinical features, instrumental testing	4
8	Coronary artery disease. Definition, classification, causes, risk factors, clinical features, instrumental testing	4
9	Heart rhythm disorders	4
10	Gastritis. Stomach and duodenal ulcer (complaints, physical examination, laboratory and instrumental testing)	4
11	Hepatitis and cirrhosis. Classification of chronic hepatitis. Clinical features of different forms of chronic hepatitis. Clinical features of different forms of liver cirrhosis. Diagnostics of liver cirrhosis	4
12	Acute and chronic glomerulonephritis. Pyelonephritis. Glomerulonephritis: clinical features (complaints, physical examination, laboratory and instrumental testing). Pyelonephritis: clinical features (complaints, physical examination, laboratory and instrumental testing)	4
13	Hematologic diseases, clinical features (complaints, physical examination, laboratory and instrumental testing)	4
14	Diabetes mellitus, clinical features (complaints, physical examination, laboratory and instrumental testing)	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. 5		
1	Propedeutics of internal diseases Patient record General patient interview	Preparing for practical classes; preparing for tests and practical skills demonstration, preparing for continuous and interim assessment	16
2	Respiratory system examination	Preparing for practical classes; preparing for tests and practical skills demonstration, preparing for continuous and interim assessment	16
3	Cardiovascular system examination	Preparing for practical classes; preparing for tests, preparing for continuous and interim assessment	16
4	Gastrointestinal and hepatobiliary system examination	Preparing for practical classes; preparing for tests, preparing for continuous and interim assessment	16
5	Renal system examination	Preparing for practical classes; preparing for tests, preparing for continuous and interim assessment	16
6	Blood system and endocrine system examination	Preparing for practical classes; preparing for tests, preparing for continuous and interim assessment	16
	Hours per semester total		**84**
	Semester No. 6		
1	Respiratory system diseases, clinical features (complaints, physical examination, laboratory and instrumental testing)	Preparing for practical classes	14

2	Cardiovascular system diseases clinical features (complaints, physical examination, laboratory and instrumental testing)	Preparing for tests	18
3	Gastrointestinal system and hepatobiliary diseases clinical features (complaints, physical examination, laboratory and instrumental testing)	Preparing for continuous and interim assessment	14
4	Hematology and endocrinology system diseases	Preparing for practical classes	10
	Hours per semester total		**56**

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	Internal diseases propedeutics	Ivashkin V.T., Okhlobystin A.V	M. : ГЭОТАР-Медиа, 2016. - http://www.studmedlib.ru/book/ISBN9785970436011.html	1
2	Macleod's clinical examination	Graham Douglas	https://books.google.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	Internal diseases propedeutics (Part II). Diagnostics of cardiovascular diseases: Textbook of Medicine for medicine faculty students/ /Ulyanovsk: Ulyanovsk State University, 2017.-96	SmirnovaA.Yu., Gnoevykh V.V.	https://elibrary.ru/yqgmyh?ysclid=mqf9r44atl331512288	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 Talks and problem-centric debates aimed at promotion of healthy lifestyle. Participation in interdepartmental conferences aimed at formation of healthy lifestyle and development of skills necessary to preserve and improve health.	Portfolio
	Covert – creating atmosphere and infrastructure. Developing a culture of healthy lifestyle, the ability to preserve and improve health. Creating atmosphere of kindness and respect with a high level of communication during implementation of the discipline.	
Civic position and values	Overt Conducting events that facilitate development of civil culture (roundtable discussions, discussions/debates, and talks).	Portfolio
	Covert Focusing on civic values-oriented position and legal awareness. Cultivating mindful social position during professional activity.	
Social values	Overt Highlighting aspects of organization of healthy lifestyle based on health-preserving technologies. Highlighting ecology-related questions, environmental issues as a factor affecting population health and select population risks.	Portfolio
	Covert Identification in social structure during period of education and in professional activity.	