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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.31 Hospital therapy (internal medicine)

(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 Therapy (Internal Medicine) and Instrumental Diagnostics

Vladivostok, 2025

Program of the discipline **Б1.О.31 Hospital therapy (internal medicine)** 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 Therapy (Internal Medicine) and Instrumental Diagnostics of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the director of the Institute, Doctor of Medical Sciences, Professor Nevzorova V.A.

Developed by:

Assistant Professor	-	Rodionova L.V.
(position held)	(academic degree, academic title)	(full name)
Assistant Professor	-	Moldovanova L.M.
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1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering Б1.О.31 Hospital therapy (internal medicine)

The purpose of mastering the discipline is acquiring knowledge necessary to provide medical aid to patients; developing knowledge of the etiology and pathogenesis, patterns of development of the main diseases in internal medicine, aspects of their clinical progression; developing of the mindset of a doctor, necessary for diagnosis, treatment, and prevention of pathology of internal organs.

Objectives of mastering the discipline:

1. Mastering the main aspects of professional medical ethics and deontology when working with patients with diseases of internal organs;
2. Developing professional competencies necessary for professional medical activity when working with patients with diseases of internal organs;
3. Study the algorithms for prevention, diagnosis, and treatment tactics for the main diseases of internal organs;
4. Develop skills of working with scientific literature on modern problems in the field of internal medicine;
5. Develop skills in communication and interaction with the team, colleagues, patients with diseases of internal organs and their relatives.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **Б1.О.31 Hospital therapy (internal medicine)**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 10th, 11th, and 12th semesters' curriculum

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **Б1.О.31 Hospital therapy (internal medicine)** 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**
Universal Competencies		
Systemic and critical thinking	UC-1. Is able to analyze of problems critically using system approach and devise a plan of action	CI.UC-1_1- looks for and investigates problem situations that arise during professional activity CI.UC-1_2- selects sources of information for critical analysis of problem situations that arise during professional activity CI.UC-1_3- develops and substantively argues a plan of action for solving problem situations using systemic and interdisciplinary approaches
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
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/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.20 Epidemiology**:

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**		
			10	**11**	**12**
			hours	**hours**	**hours**
1		2	3	4	5
Classroom hours (total), including:		**232**	**80**	**80**	**72**
Lectures (L)		64	22	22	20
Practical classes (C)		168	58	58	52
Independent work of the student (IW), including:		**164**	**64**	**64**	**36**
Writing a medical record		48	16	16	16
Preparing for classes (CP)		74	30	30	14
Preparing for continuous assessment (CAP)		42	18	18	6
Interim assessment		36			36
Type of interim assessment	pass/fail test (T)				
	exam (E)	E			E
TOTAL: TOTAL credit value	hrs.	**432**	**144**	**144**	**144**
	credits	**12**	**4**	**4**	**4**

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. 10	
1.	Diseases of the esophagus. Differential diagnosis and pharmacological treatment	2
2.	Diseases of the stomach and duodenum. Diagnostic and treatment standards	2
3.	Differential diagnosis and management tactics in patients with pancreatic diseases. Treatment standards	2
4.	Liver diseases. Differential diagnosis and pharmacological treatment	2
5.	Inflammatory bowel disease, differential diagnosis. Diagnostic and treatment standards	2
6.	Functional bowel disorders. Diagnostic and treatment standards	2
7.	Severe pneumonia. Diagnostic criteria. Diagnostic and treatment standards	2
8.	Differential diagnostics and pharmacological treatment in patients with COPD	2
9.	Bronchial asthma. Differential diagnosis and pharmacological treatment	2
10.	Interstitial lung disease. Diagnostic and treatment standards	2
11.	Sarcaidosis. Cystic fibrosis. Bronchiectasis. Differential diagnosis and pharmacological treatment	2
	Hours per semester total	**22**

	Semester No. 11	
12.	Classification of stable coronary artery disease (ischaemic heart disease) according to ICD-10 and clinical guidelines. Risk stratification and choice of treatment	2
13.	Non-ST-segment elevation acute coronary syndromes. Diagnostic criteria. Treatment principles	2
14.	ST-segment elevation myocardial infarction. Diagnostic criteria. Emergency care. Treatment strategy	2
15.	Myocardial and pericardial diseases. Diagnostic and treatment principles	2
16.	Cardiomyopathy. Classification. Diagnostics, differential diagnostics. Treatment principles	2
17.	Pulmonary hypertension. Diagnostics, differential diagnostics. Treatment principles	2
18.	Atrial fibrillation and flutter. Diagnostic and treatment strategies	2
19.	Ventricular arrhythmias. Heart conduction disorders. Tactics of a general practitioner	2
20.	Differential diagnostics of essential and symptomatic hypertension	2
21.	Acute heart failure. Etiology. Differential diagnostics. Emergency care	2
22.	Congestive (chronic) heart failure depending on the left ventricular ejection fraction. Diagnostic criteria, diagnostic and treatment standards	2
	Hours per semester total	**22**
	Semester No. 12	
23.	Cardiovascular risk factor stratification in outpatient practice. Patient management tactics	2
24.	Main cardiovascular diseases contributing to population mortality. Diagnosis, treatment, prevention	2
25.	Inflammatory joint diseases. Diagnosis, treatment, prevention	2
26.	Degenerative joint diseases. Diagnosis, treatment, prevention	2
27.	Differential diagnosis of systemic vasculitis. Classification. Diagnostic criteria. Treatment principles	2
28.	Systemic diseases (SLE, systemic scleroderma). Diagnosis, treatment, prevention	2
29.	Differential diagnostics of anemia. Diagnosis, treatment, prevention	2
30.	Acute and chronic leucosis. Diagnosis, treatment, prevention	2
31.	Acute and chronic kidney injury. Diagnosis, treatment, prevention	2
32.	Differential diagnosis of nephrotic and nephritic syndromes. Diagnosis, treatment, prevention	2
	Hours per semester total	**20**

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

No.	**Practical Class Topic**	**Hours**
1	2	3
	Semester No. 10	
1	Severe pneumonia. Diagnostic criteria. Diagnostic and treatment standards Practical skills training: Analysis of radiographs	6
2	Differential diagnostics and pharmacological treatment in patients with COPD Practical skills training: Analysis of flow-volume curves (spirograms)	6
3	Bronchial asthma. Differential diagnosis and pharmacological treatment Practical skills training: Analysis of flow-volume curves (spirograms)	6
4	Interstitial lung disease. Diagnostic criteria. Diagnostic and treatment standards Practical skills training: Analysis of radiographs	6
5	Differential diagnosis in esophageal and gastric dyspepsia syndrome	6

6	Differential diagnosis of icterus (jaundice) and cholestasis. Differential diagnosis in hepatomegaly and hepatolienal syndrome. Chronic hepatitis. Liver cirrhosis. Portal hypertension. Hepatic encephalopathy	6
7	Differential diagnosis and management tactics in patients with diseases of the gallbladder and pancreas. Treatment standards	6
8	Differential diagnosis of intestinal dyspepsia. Inflammatory bowel disease. Crohn's disease. Ulcerative colitis	6
9	Functional bowel disorders. Diagnostic and treatment standards. Irritable bowel syndrome. Malabsorption syndrome	6
10	Knowledge control (test) on pulmonology and gastroenterology	4
	Hours per semester total	**58**
	Semester No. 11	
1	Stable coronary artery disease (ischaemic heart disease). Diagnostic criteria. Treatment principles	6
2	Non-ST-segment elevation acute coronary syndromes. Diagnostic criteria. Treatment principles. ECG diagnostics Practical skills training: ECG interpretation	6
3	ST-segment elevation acute coronary syndromes. Diagnostic criteria. Treatment principles. Diagnostic significance of ECG and cardiac ultrasound Practical skills training: ECG interpretation	6
4	Myocardial and pericardial diseases. Diagnostic criteria. Treatment standards	6
5	Differential diagnostics of essential and symptomatic arterial hypertension. Hypertension. Diagnostic criteria. Treatment and prevention standards	6
6	Differential diagnosis of hypertension. Symptomatic hypertension. Diagnostic criteria. Treatment and standards. Preventive measures	6
7	Acute and congestive (chronic) heart failure. Diagnostic criteria. Differential diagnostics. Emergency care. Treatment standards	6
8	Supraventricular arrhythmias. Atrial fibrillation. Diagnostic criteria. Emergency care. Treatment standards. Preventive measures	6
9	Heart conduction disorders. Diagnostic criteria. Treatment standards	6
10	Practical skills training: ECG interpretation	4
	Hours per semester total	**58**
	Semester No. 12	
1	Diagnostics, differential diagnostics of joint diseases: rheumatoid arthritis, osteoarthritis (arthrosis deformans)	6
2	Diagnostics, differential diagnostics of joint diseases: ankylosing spondylitis, reactive arthritis, gout, psoriatic arthritis. Treatment standards	6
3	Diagnosis, differential diagnosis and principles of treatment of systemic diseases: systemic lupus erythematosus, systemic scleroderma, dermatomyositis, systemic vasculitis	6
4	Diagnosis, differential diagnosis and principles of treatment of anemia: iron deficiency anemia, B12 deficiency anemia	6
5	Diagnosis, differential diagnosis and principles of treatment of acute leucosis	6
6	Diagnosis, differential diagnosis and principles of treatment of chronic leucosis	6
7	Clinical and laboratory criteria of nephrotic syndrome. Differential diagnosis and management tactics in patients with nephrotic syndrome	6
8	Acute kidney injury. Etiology. Diagnostic and treatment standards tactics. Chronic kidney disease. Diagnostic issues. Tactics of a general practitioner	6
9	Knowledge control (test) on rheumatology, nephrology, and hematology Medical record presentation	4
	Hours per semester total	**52**

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. 10		
1	Respiratory diseases	Preparing written report on select questions; working with mini-case studies on the topic; preparing for continuous assessment; analysis of radiographs	20
2	Diseases of the digestive system	Preparing written report on select questions; preparing for continuous assessment; analysis of radiographs Diseases of the small intestine. Celiac disease. Whipple's disease	26
3	Rheumatic disorders	Preparing written report on select questions; preparing for continuous assessment; analysis of radiographs	18
	Hours per semester total		**64**
	Semester No. 11		
1	Diseases of the hematopoietic organs	Preparing written report on select questions; preparing for continuous assessment; ECG interpretation; writing the medical record	64
	Hours per semester total		**64**
	Semester No. 10		
1	Diseases of the hematopoietic organs	Preparing written report on select questions; preparing for continuous assessment; analysis of differential blood count results	8
2	Respiratory diseases	Preparing written report on select questions; preparing for continuous assessment; analysis of flow-volume curves (spirograms)	7
3	Diseases of the digestive system	Preparing written report on select questions; preparing for continuous assessment; differential diagnosis of abdominal pain in the practice of a GP	7
4	Rheumatic disorders	Preparing written report on select questions; preparing for continuous assessment	7
5	Diseases of the urinary system	Preparing written report on select questions; preparing for continuous assessment; urinalysis results interpretation	7
	Hours per semester total		**36**

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	Principles of internal medicine [English electronic textbook]	21th edition- T.R. Harrison at al.	McGrawHill LLC, 2022.- p.4132	Unlimited access
2	Internal diseases, Textbook [English electronic textbook]	Martynov A. I., Kobalava Z. D., Moiseev S. V Internal diseases : Textbook / Moscow : GEOTAR-Media	GEOTAR-Media, 2022. - 616 с. - ISBN 978-5-9704-6767-1. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : https://www.studentlibrary.ru/book/ISBN9785970467671.html	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: [English textbook]	Ivashkin V.T.	12th edition, revised and improved. - M. : M. : GEOTAR-Media, 2005. - 176 p. : ил. - ISBN 5-9704-0070-X	71
2	Differential diagnosis of acute coronary syndrome: Tutorial for students [English electronic textbook]	Eniseeva E.S.	Tutorial for students / E. S. Eniseeva - Irkutsk : IGMU, 2022. - 65 с. - Т: electronic // "Bookup" : [сайт]. - URL : https://www.books-up.ru/ru/book/differential-diagnosis-of-acute-coronary-syndrome-1767221	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). Short discussions on current significant events in case the latter occur.	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.	