

**MINISTRY OF SCIENCE, HIGHER EDUCATION AND INNOVATIONS
OF THE KYRGYZ REPUBLIC
OSH STATE UNIVERSITY
INTERNATIONAL MEDICAL FACULTY
DEPARTMENT OF "CLINICAL DISCIPLINES 1"**

**TRAINING PROGRAM OF STUDENTS
(SYLLABUS)**

Specialty	General medicine	Course Code	"560001"
language of instruction	English	Discipline	HOSpital therapy 1
academic year	2025-2026	The number of credits	5
instructor	Musaeva B.S.	Semester	VIII
E-Mail	bmusaeva@Oshsu.kg	schedule on "OshSU student"	https://myedu.Oshsu.kg/
consultation (time/ auditorium)	IMF 2 (08:00-17:00/310)	Location (build/audit)	IMF 1. 207
Form of education (full-time/part-time/evening/distant)	full-time	Type of course:	basic

Head of the General Medicine Program, IMF
Candidate of Medical Sciences, Associate Professor

Bugubaeva M.M.

Osh – 2025

Short Course Description

Hospital Therapy is a clinical course focused on the study of internal diseases in a hospital setting. It develops students' skills in patient evaluation, clinical examination, and interpretation of laboratory and instrumental investigations. The course emphasizes pathophysiology, diagnosis, treatment, and prevention of major disorders affecting the cardiovascular, respiratory, gastrointestinal, renal, and endocrine systems. Special attention is given to differential diagnosis and the identification of less common diseases of internal organs. Students learn to apply evidence-based medicine, formulate clinical diagnoses, and design appropriate management plans. The course also promotes clinical reasoning, professional communication, and teamwork in multidisciplinary care, preparing students for effective and safe practice in medicine.

Purpose of the discipline "Hospital Therapy 1"

The purpose of this discipline is to develop proficiency in diagnosing and managing rare internal diseases, performing differential diagnoses, treating internal disorders, identifying life-threatening conditions, and providing emergency care, while ensuring that students acquire the competencies required by the State Educational System.

Prerequisites	Normal anatomy, Pathological anatomy, Physiology, Pharmacology, Internal Medicine 1,2, Surgical disease 1,2, Pediatrics 1,2	
Post requisites	Family medicine, Oncology, Clinical Pharmacology	
learning outcomes		
In the course of mastering the discipline, the student will achieve the following:		
Code of the results of the general education curriculum and its formulation	Learning outcome of course and its code	Code and formulation of competencies
LO -5 - Able to assess morphofunctional, physiological conditions and pathological processes and apply methods of research of adult and pediatric patients for professional tasks	LOc- 1: able and ready to analyze the data of history, physical examination, the results of laboratory-instrumental examination, and fill out a medical card of an ambulatory and stationary patient	PC -3 - able to conduct pathophysiological analysis of clinical syndromes, justify pathologically justified methods (principles) of diagnosis, treatment, rehabilitation and prevention among adults and children taking into account their age-sexual groups;
LO-7- able to apply basic knowledge in the field of diagnostic activity to solve professional problems.	LOc- 2 able to analyze the regularity of functioning of individual organs and systems, use knowledge of anatomical and physiological features, and know how to implement fundamental knowledge in assessing morphofunctional and physiological states of the body for the early diagnosis and the identification of pathological processes.	PC-12 - able to analyze the patterns of functioning of individual organs and systems, use knowledge of anatomical-physiological features, basic methods of clinical-laboratory examination and assessment of functional state of the organism of adults and children, for timely diagnosis of diseases and pathological processes; PC-13 - able to identify the main pathological symptoms and disease syndromes in patients, using knowledge of the basics of biomedical and clinical disciplines, in assessing the course of pathology in organs, body systems in general, analyze patterns of functioning of

		organs and systems in various diseases and pathological processes, use an algorithm diagnosis (main, concomitant, complications), ICD-10, to carry out the main diagnostic measures to identify urgent and life-threatening
LO 8 – able to apply basic knowledge in the field of therapeutic activity to solve professional tasks	LOc-3: be able to perform basic therapeutic measures in the rare diseases and conditions in the adult population and be able to implement fundamental knowledge (anatomical, topographical and histophysiological rationale) and the basics of physical examination.	PC-15 - able to assign patients adequately treated in accordance with the diagnosis; PC-16 able to first aid the adult population and children in case of emergency and life-threatening conditions, hospitalize patients in a routine and emergency basis
LO 11 - Able to apply basic knowledge in the field of research and research activities for professional tasks	LOc-4: be able to analyze medical information in the field of research.	SPC-3 Able to analyze medical information based on the principles of clinical trials,

Calendar thematic plan

№	Dates	Topics	lecturer	practical	marks		
Module I							
1.	02.02 - 07.02.26	<u>Atypical pneumonia.</u> <u>Differential diagnosis of pneumonia.</u>	2	2	4	LV, TBL, CBL	OS,T
2.	09.02- 14.02.26	<u>Modern Approaches to the Management and diagnosis of Lung Abscess and Pulmonary Gangrene</u>		2	4	TBL, RPG	T
3.	16.02- 21.02.26	<u>Differential diagnosis & management of bronchial obstruction syndrome (COPD, Bronchial asthma. Upper airway obstruction, pulmonary edema) Nutrition in COPD</u>	2	2	4	LV, D, BS	BACS, OS
4.	23.02- 28.02.26	<u>Differential diagnosis & management of pulmonary embolism (differential diagnosis, causes, clinical features, management)</u>	2	2	4	LV, TPS	OS,T
5.	02.03- 07.03.26	<u>Differential diagnosis & management of the pleural disease (pleural effusion, dry pleuritis, pneumothorax)</u>	2	2	4	LC, SP	T

6.	09.03-14.03.26	Differential diagnosis & management drug disease (Lyell and Stevens-Johnson syndromes)		2	4	PBL, RPG	OS
7.	16.03-21.03.26	<u>Differential diagnosis of the primary and secondary pulmonary hypertension. Cor pulmonale.</u>	2	2	4	TBL, RP	T
8.	23.03-28.03.26	<u>IPF.</u>		2	4	TBL, CBL	OS
9.	30.03.-04.04.26	<u>Respiratory failure</u>	2	2	4	LV, CBL	OS
Module II							
10.	06.04.-11.04.26	<u>Secondary arterial hypertension. Differential diagnosis of arterial hypertension. Nutrition in hypertension.</u>	2	2	4	LV, BT	BACS
11.	13.04-18.04.26	<u>Differential diagnosis of the chest pain (gastrointestinal, coronary artery diseases musculoskeletal, psychogenic)</u>	2	2	4	LV, TBL, CBL	T
12.	20.04.-25.04.26	<u>Differential diagnosis & management of the Arrhythmias</u>	2	2	4	LV, ADA M-x	T
13.	27.04-02.05.26	<u>Differential diagnosis & management of the heart blocks</u>	2	2	4	LC,P BL	OS
14.	04.05-09.05.26	<u>Differential diagnosis of the Cardiomyopathies (DCM, HOCM, RCM)</u>	2	2	4	LV, TBL, CBL	OS
15.	11.05-16.05.26	<u>Differential diagnosis of the Pericarditis (dry pericarditis and pericardial effusion).</u>	2	2	4	LV, ADA M-x	T
16.	18.05-23.05.26	<u>Myocarditis</u>		2	4	PBL, CBL	T
17.	25.05-31.05.26	<u>Differential diagnosis of the Congenital heart defects in Adults</u>		2	4	BT	BACS
18.	01.06-06.06.26	Differential diagnosis & management of chronic heart failure		2	4	LV, D, TPS	T
			24h	36h	4		

Plan of organization ISW

No	Topic	Task for ISW	Hours	Assessment tools	Marks	Reference	Deadline
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1.	Sleep apnea syndrome	Medical sheet	5	OS	4	Main 1,2,3,4 Add 3,4	1-week
2.	Asbestos-related diseases, Silicosis. Pneumoconiosis	Paper(essay)	5	T	4	Main 1,2,3,4 Add 3,4	2-week
3.	Lung atelectasis	Video presentation	5	OS	4	Main 1,2,3,4 Add 3,4	3-week
4.	Pulmonary tuberculosis.	Creative work	5	T	4	Main 1,2,3,4 Add 3,4	4-week
5.	The sweat test. Thoracocentesis. Pleural Fluid Analysis.	Literature review	5	OS	4	Main 1,2,3,4	5-week
6.	Chest imaging and bronchoscopy (chest CT-scan, X-ray, ultrasonography, bronchoalveolar lavage. Indications and contraindications)	PPT presentation	5	T	4	Main 1,2,3,4 Add 1,2	6-week
7.	Lung cancer	PPT presentation	5	OS	4	Main 1,2,3,4 Add 1,2	7-week
8.	Neurocirculatory dystonia	Medical sheet	5	T	4	Main 1,2,3,4 Add 1,2	8-week
9.	Blood test in cardiology. Coronary angiography.	Medical sheet	5	T	4	Main 1,2,3,4 Add 1,2	9-week
10.	Acute cardiogenic pulmonary edema	Paper(essay) Cs	5	OS	4	Main 1,2,3,4 Add 1,2	10-week
11.	Atherosclerotic cardiosclerosis	Video presentation	5	T	4	Main 1,2,3,4	11-week
12.	POSTinfarction cardiosclerosis	Creative work	5	OS	4	Main 1,2,3,4 Add 2	12-week
13.	Pericardiocentesis. Pericardial Fluid Analysis	Medical sheet	5	T	4	Main 1,2,3,4 Add 2,3	13-week
14.	Aortic aneurysm	Paper(essay)	5	OS	4	Main 1,2,3,4 Add 1,2	14-week
15.	Acute mountain sickness. high-altitude pulmonary edema. alpine climatotherapy	Video presentation	5	T	4	Main 3,4 Add 2	15-week

Plan of organization ISW (along with teachers)for practical classes

Nº	Topic	Task for ISW	Hours	Assessment tools	Reference	Deadline
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1	Combined heart defects	Medical sheet	3	OS	Main 1,2,3,4 Add 2,3	4-week
2	Takocubo, postpartum cardiomyopathies	Paper(essay)	3	T	Main 1,2,3,4 Add 1,2	6-week
3	Differential diagnosis & management of Acute heart failure	Video presentation	3	T	Main 1,2,3,4 Add 2,3	10-week
	Total		9			

Plan of organization ISW(along with teachers) for lecturer

№	Topic	Task for ISW	Hours	Assessment tools	Reference	Deadline
1	Differential diagnosis & management drug disease (Lyell and Stevens-Johnson syndromes)	T	2	T	Main 1,2,3,4 Add 1,2	3-week
2	Complications of MI. Differential diagnosis.	T	2	T	Main 1,2,3,4 Add 2,3	5-week
3	Differential diagnosis & management of heart failure	T	2	T	Main 1,2,3,4 Add 2,3	11-week
			6			

LV- Lecture Visualization, LC-Lecture consultation, OS-oral questioning, CBL - Case-Based Learning, PBL - Problem-Based Learning, TBL - Team-Based Learning, RBL - Research-Based Learning, RPG-role-playing game, T-testing, BACS - Bedside Assessment of Clinical Skills, BT- Bedside Teaching, TPS (Think-Pair-Share), CW-creative work, ADAM-x

discipline	credit	In-class hours	ISW	Module 1(25 marks)			Module 2 (25 marks)			Exam (50 marks)		
				In-class hours		ISW/IW ST	SC(r)	In-class hours		ISW/IW ST	SC(r)	(E)
Lec.	Pr.	Lec.	Pr.									
HOSPital therapy	5	60	90	16	18	40/9		8	18	35/6		
Cumulative Points Chart				4	4	8	9	4	4	8	9	
Module and Exam Results				(M=тср.+r+s) до 25 / 25			(M=тср.+r+s) до 25 / 25			50		
				Rдоп. = M1 + M2 (30-50)								
Final Grade				I = Rдоп. + E								100

№	Types of the class	Forms of Student Academic Achievement Assessment							
		Marks							
		Module 1			Module2			M1+M2	exam
		CC	IW	SC	CC	IW	SC		
1	Work during practical classes (homework, notes, oral questioning, test, work in small groups, TBL, PBL, CBL case studies, and other types of tasks)	4			4			8	
2	Task for lecture cl	4			4			8	
3	Tasks for independent work		8			8		16	
4	Summary control (Assessment of Student Academic Achievements)			9			9	18	
	total	Up to 25			Up to 25			Up to 50	
	Exam								Up to 50
	Final grade for 8 semester	100(I=R+E)							

Course Policy

The student can score points in all types of classes.

Score points for the practical classes:

Total (100 marks):

1-Module - 25 marks	2-Module - 25 marks
<ul style="list-style-type: none"> • 4marks for practical classes, • 4marks for lecture classes , • 8marks for IW, IWST • 9 marks for summary control 	<ul style="list-style-type: none"> • 4marks for practical classes, • 4marks for lecture classes , • 8marks for IW, IWST • 9 marks for summary control
Total 25 marks	Total 25 marks
Final exam -50 marks	

The organization of the educational process is carried out on the basis of a credit-modular system according to the requirements, with the use of a modular rating system for assessing the progress of students using the AVN information system.

Requirements:

- Mandatory attendance;
- Activity during lectures and practical classes;
- Preparation for classes, homework and IW.

Unacceptably:

- being Late and leaving university;
- Use of cell phones during classes;

C) Untimely delivery of tasks.

Bonus points consist of activity in the classroom, performing extracurricular independent work by students, scientific work, attendance of lectures.

Penalty points consist of points received for dishonesty, inactivity, absenteeism, etc.

Bonus points.

1. Preparation of presentations – 1 points.
2. Production of stands – 1 points.
3. Production of tables: -1 point.
4. Preparation of abstract messages – 1 point.
5. Systematic active work during the semester in practical classes and in lectures - 2 points.
6. 100% attendance-1 points
7. Participation in the work of the SSC - 5 points
8. Preparation of the report and presentation at student conferences - 5 points

Penalty point.

1. Regular lateness to classes – 1 point.
2. Missed lectures and classes - 2 points
3. Disrespectful attitude to medical personnel, patients, teacher-2 points.
5. Smoking on the territory of the medical institution – 2 points.
6. Untidy appearance, lack of Bathrobe, cap, replacement shoes - 1 point.
7. Damage to the Cathedral property - 2 points
8. A systematic lack of preparation for practical classes – 2 points.
9. Violation of discipline classes - 1 point

Note: a student can score a maximum of 10 bonus points and penalty points not more than 10 (per semester).

Table of scoring of discipline « Hospital therapy 2»

Rating (points)	Grade based on letter system	The numeralequivalent evaluation	Traditional system assessment
87 – 100	A	4,0	Excellent
80 – 86	B	3,33	
74 – 79	C	3,0	Good
68 -73	Д	2,33	
61 – 67	E	2,0	Satisfactorily
31-60	FX	0	
			Unsatisfactory

Reference

electronic resources	<ol style="list-style-type: none"> 1. https://www.cochranelibrary.com/ 2. https://www.tripdatabase.com/ 3. https://www.tandfonline.com/toc/ilal20/current 4. https://professional.diabetes.org/content-page/practice-guidelines-resources
electronic textbooks	<p>https://ibooks.OShsu.kg/book/?lg=1&id_parent=50&id1=1832&id4=</p> <p>https://ibooks.OShsu.kg/book/?lg=1&id_parent=50&id1=1881&id4=</p>

Учебники (библиотека)

Main reference:

1. Harrison's PRINCIPLES OF INTERNAL MEDICINE//
Fauci, Braunwald, Kasper, Longo, Jameson, and LOscalzo//21st
Edition Copyright 2022
2. Davidsons Principles & Practice of Medicine//Nicki R.
College, Brain R. Walker, Stuart H. Ralston//24th Edition 2022
3. First Aid USMLE Step 2 2023
4. CURRENT_Medical_DiagnOSis_and_Treatment_// Maxine
A. Papadakis, MD Stephen J. McPhee, MD// 60_ed_2021
5. DIAGNOSIS AND TREATMENT IN INTERNAL
MEDICINE// Patrick Davey David Sprigings// Oxford
University Press 2018

Additional reference:

1. Wintrobe's Clinical Hematology//John Greer, George M.
Rodgers, Bertil Glader// 2019
2. K George Mathew, Praveen Aggarwal MEDICINE 2022
3. Prepladder notes 2021 Uworld Notes 2021