

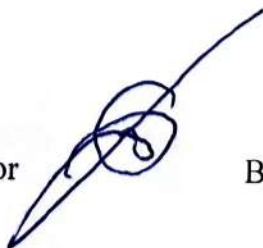
**MINISTRY OF SCIENCE, HIGHER EDUCATION AND INNOVATIONS OF THE
KYRGYZ REPUBLIC
Osh State University
International Medical Faculty**

Department of "Clinical disciplines 1"

**TRAINING PROGRAM OF STUDENTS
(SYLLABUS)**

Specialty	General medicine	Course code	"560001"
Language of instruction	English	Subject	Faculty Therapy 1
Academic year	2025-2026y	Amounts of credits	5 credits
Teacher	Karabekova N.M.	Semester	VI
E-Mail	nkarabekova@oshsu.kg	Schedule according to the OSH State University application "Myedu"	
Consultations (time/lecture hall)	IMF 2 (08:00-17:00/306)	Location (building/room)	IMF 2 /306
Form of study (full-time/part-time/evening/distant)	Full-time	Course type: (Basic/elective)	Basic

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



Bugubaeva M. M.

1. **Course description:** The course lasts 2 semesters and covers 150 hours of classes.
2. **Goals of the Course:**

The purpose of mastering the discipline 'Faculty Therapy 1, 2 (Semesters 6–7)' is to form the professional and personal competencies of a physician with a solid knowledge of the main clinical symptoms and syndromes, the etiology and pathogenesis of the most prevalent diseases, the ability to perform clinical analysis, and proficiency in modern methods of diagnosis, treatment, and prevention, aimed at ensuring compliance with established professional competency requirements.

Prerequisites:	Latin language, biochemistry, biology, normal anatomy, normal physiology, pathological physiology, pharmacology, propaedeutics of internal diseases, surgical diseases 1	
Post requisites:	Hospital therapy, pediatrics 2, obstetrics and gynecology, family medicine, clinical pharmacology, Hospital and outpatient Surgery, neurology, family medicine	
Co-requisites	Basic pharmacology, Surgical diseases	
Learning outcomes of the discipline		
In the course the student will achieve the following learning outcomes:		
LO (Learning outcomes)	LO of subject	Competencies
LO -5 - Able to apply fundamental knowledge in assessing the morphofunctional and physiological states of the body for the early diagnosis of diseases and the identification of pathological processes. LO-7 Able to apply basic knowledge in the diagnostic activities to solve professional cases. LO-8: able to provide the algorithm preliminary diagnosis, clinical and final diagnosis, the providing of therapeutic measures of the most common diseases and the provision of first aid for emergency and life-threatening conditions of children and adolescents. LO-11: able to apply basic knowledge in the field of research activities to solve professional problems	LO -5 - Able to apply fundamental knowledge in assessing the morphofunctional and physiological states of the body for the early diagnosis of diseases and the identification of pathological processes. LO-7 Able to apply basic knowledge in the diagnostic activities to solve professional cases. LO-8: able to provide the algorithm preliminary diagnosis, clinical and final diagnosis, the providing of therapeutic measures of the most common diseases and the provision of first aid for emergency and life-threatening conditions of children and adolescents. LO-11: able to apply basic knowledge in the field of	PC-4 able to collect patient anamnesis; provide physical examination, interpret results of laboratory and instrumental studies, write a medical card of adult and child patients. PC-15 - able and ready to analyze the patterns of functioning of individual organs and systems, use knowledge of anatomical and physiological characteristics, basic methods of clinical and laboratory examination and assessment of the functional state of the body of an adult and children, for timely diagnosis of diseases and pathological processes; PC-16

	research activities to solve professional problems	<p>- 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</p> <p>PC-17</p> <p>- able to management patient in case of common diseases of internal medicine.</p> <p>PC-19</p> <p>-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</p> <p>PC-31</p> <p>-able and ready to analyze and publicly present medical information based on evidence-based medicine</p>
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4. Chart of Collection Points

discipline	credit	In-class hours	ISW	Module 1(25 marks)			Module 2 (25 marks)			Exam (50 marks)
		40%	60%	In-class hours	ISW/IW ST	SC(r)	In-class hours	ISW/IW ST	SC(r)	(E)
				Lec.	Pr.		Lec.	Pr.		

Faculty 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				$(M=tcp.+r+s) \text{ do } 25 / 25$				$(M=tcp.+r+s) \text{ do } 25 / 25$				50
				$Rdon. = M1 + M2 (30-50)$								
Final Grade				$I = Rdon. + E$								100

5. Calendar thematic plan

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№	week	Topic title	Hours		Link	Marks	Teaching methods	Assessment methods	Name of clinical sites
			Lecturer	Practical					
		1-Module							
1.	1/1	Community-acquired pneumonia. Modern treatment (according to clinical guidelines)	2	2	https://youtu.be/8fdSWP9nSX0?si=9D2VBo4nEREfssBr	4	LV, BS, ppt, video	T	MK OshSU
								EIM, TBL, IDM, ADAM-X EXPERT	
2.	1/2	Hospital-acquired pneumonia & Pneumonia in the immunocompromised host. Modern treatment (according to clinical guidelines)		2	https://youtu.be/CI2swP_5Rpk?si=qhop3wSztVPAhkhxh	4	EIM, CBL, IDM, MCQ	T	MK OshSU, OIUCH
3.	2/3	Atypical pneumonia	2	2	https://youtu.be/OgXIFL_iA60?si=Z-PgEXWw-mhEKqZE	4	LV, BS, ppt	T, OQ ILID CSA	MK OshSU
							EIM, TBL, IDM, MCQ		
4.	3/4	Bronchial asthma. Algorithm diagnosis	2	2	https://youtu.be/2-R-	4	LV, ppt, MCQ	T, OQ,	MK OshSU

		and treatment of bronchial asthma (according to clinical guidelines).			Zi8u9II?si=GztwbAENMc5eB3Cz		EIM, IDM, MCQ BT	ILID Mini-CEX	OIUC H
5.	/5	Acute respiratory viral infections (ARVI) and influenza		2	https://youtu.be/cNbchkE30eM?si=b6nKhx-VZ90TFb_1	4	EIM, TBL, IDM, MCQ	T, OQ ILID CSA	MK OshSU
6.	4/6	Bronchitis. COPD. Diagnosis, modern treatment (according to clinical guidelines)	2	2	https://youtu.be/Y29bTzKK_P8?si=ThQm1IJ9zNMVIn-X https://youtu.be/IcifIvN0KvI?si=Ea5USDYnhWow5f_V	4	LV, BS, ppt, MCQ EIM, IDM, MCQ BT	T, OQ, ILID Mini-CEX	MK OshSU OIUC H
7.	5/7	Suppurative lung diseases. Bronchiectasis. Diagnosis and management	2	2	https://youtu.be/vZvvSUDlyW0?si=Mnqgpc5Oo8fAoaqJ	4	LV, ppt, MCQ EIM, IDM, MCQ, BT	T, OQ ILID, Mini-CEX	MK OshSU
8.	/8	Acute respiratory distress syndrome.		2	https://youtu.be/hL8jJO5ffhI?si=DYhxSwiDsbkk17fd	4	EIM, IDM, ADAM-X EXPERT	T, OQ ILID	MK OshSU
9.	6/9	Anaphylactic shock.	2	2	https://youtu.be/5Sn4bi3t7YE?si=yS6E3QdyKzs3aH-Y	4	LV, ppt, MCQ EIM, IDM, MCQ TPS	T, OQ ILID	MK OshSU
	6/10	Hives. Angioedema		2	https://youtu.be/AhbmF-OkgZw?si=gTtHFiotiRU Nlj7S				

10.	7/10	Hypertension. Hypertensive crisis. Algorithm diagnosis and treatment (according to clinical guidelines)	2	2	https://youtu.be/LnGB7U1xluw?si=Z7huguOrM29tFZha	4	EIM, BT, MCQ, IDM, BT	T, OQ ILID	MK OshSU
11.	8/11	Hyperlipidemia. Atherosclerosis. Coronary artery disease (CAD). Classification. Sudden coronary death. Angina pectoris. Chronic coronary syndromes. Algorithm diagnosis and treatment (according to clinical guidelines)	2	2	https://youtu.be/-I-NN2PSAU8?si=ZUxdPvr43ZRkMYmx https://youtu.be/Of1Aewx-zRM?si=2vOBAJY8o3rcxhPv	4	EIM, CBL, IDM, MCQ	T, OQ ILID CSA	MK OshSU
12.	9 weeks	Module 1							
13.	10/12	Acute coronary syndromes (ACS). Unstable angina (UA). Acute Myocardial Infarction (AMI). Diagnosis, modern treatment (according to clinical guidelines)	2	2	https://youtu.be/ond98UVBvyE?si=uCahtoHgJ0xca7Gm	4	LV, ppt, MCQ EIM, CBL, IDM, MCQ	T, OQ ILID CSA	MK OshSU
14.				2	https://youtu.be/PCh3kqLK5k?si=aDqY VnQbylUm9Wg https://youtu.be/44ez25Hp8lc?si=uzfjpeDp6u lk9J	4	EIM, CBL, IDM, MCQ	T, OQ ILID CSA	OIU CH
15.	11/1	Acquired heart defects. Diagnosis and management	2	2	https://youtu.be/tA-iLRsNOVA?	4	LV, ppt, MCQ	T, OQ ILID CSA	OIU

	2				si=8DEHUiJ bokk49Yc https://youtu. be/dip_4io2 4A?si=EyO5 XBAMB1bw dJCK		EIM, CBL, IDM, MCQ		CH
16.	12/1 3	Infective endocarditis (IE). Differential diagnosis and management	2	2	https://youtu. be/10RaKBT Tyeo?si=SxF PpGduh5v3d 6tD	4	LV, ppt, MCQ EIM, RPG, IDM, MCQ	T, OQ ILID, DIME DUS	OIU CH
17.	13/1 4	Acute and chronic heart failure (CHF). Algorithm diagnosis and management (according to clinical guidelines)	2	2	https://youtu. be/InZHRdV _qw0?si=1qI FSY5GBTfB fBG9	4	LV, ppt, MCQ EIM, BT IDM, CSA MCQ	T, OQ ILID CSA	MK OshSU
18.				2	https://youtu. be/ypYI_lmL D7g?si=iwY 4PfG6qceTe Gjm	4	EIM, BT IDM	T, OQ ILID	
	14w eek	Module 2							
		Total:	24h	36h					

Teaching methods:

LV lecture-visualizations, BS brainstorming, ppt, video, EIM- Explanatory and illustrative method, CBL - Case-Based Learning, PBL - Problem-Based Learning, TBL - Team-Based Learning, RBL - Research-Based Learning, Image-Based Learning (IBL), IDM - instrumental diagnostic methods of teaching, BT- bedside teaching, ADAM-X EXPERT, DRD-DETAILED REPORT DIMEDUS, TPS(Think-Pair-Share), RPG-role-playing game,

Assessment methods: OQ - oral questioning, T - assessment, ILID - interpretation of laboratory-instrumental data, CSA- Case study assessment, Mini-CEX (Mini Clinical Evaluation Exercise), checklists

База обучения: Clinical training bases: MK OshSU - Medical Clinic of Osh State University, OIUCH- Osh Interregional United Clinical Hospital,

6. Plan of organization ISW

№	Topic	Task for ISW	Hours	Assessment tools	Marks	Reference	Deadline
1.	Pulmonary embolism: risk	Essay	2	OS	4	Main 1,2,3,4	2-week

	factors, diagnosis, and emergency treatment.					Add 6,7	
2.	Methodical recommendations, standards for diagnosis and treatment of acute clinical forms of coronary heart disease: angina pectoris, myocardial infarction.	Report (referat)	8	OS	4	Main 1,2,3,4 Add 6,7	4-week
3.	Evidence-based medicine in pulmonology. Methodological guidelines, standards for diagnosis and treatment of bronchial asthma	Lirerature review	25	OS	4	Main 1,2,3,4 Add 6,7	7-week
4.	Evidence-based medicine in cardiology. Methodological guidelines, standards for the diagnosis and treatment of arterial hypertension.	Poster presentation	4	OS	4	Main 1,2,3,4 Add 6,7	9-week
5.	Methodological recommendations, standards for diagnosis and treatment of chronic clinical forms of coronary heart disease: heart failure	Article	30	OS	4	Main 1,2,3,4 Add 6,7	12-week
6.	Fainting. Collapse.	Medical sheet	6	OS	4	Main 1,2,3,4 Add 6,7	15-week

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

Nº	Topic	Task for ISW	Hours	Reference	Location (building/room)	Deadline

1	Sleep-related breathing disorders: Diagnosis and Treatment	Paper(say)	3	Main 1,2,3,4 Add 7,8 https://youtu.be/GdhMnWU-HU?si=E1M4Qj8-jjFyYqkr	IMF 2 /306	28.02.2026
2	Malignant hypertension	Literature review	3	Main 1,2,3,4 Add 6,7 Scopus, https://www.cochranelibrary.com/ . https://pubmed.ncbi.nlm.nih.gov/ . https://youtu.be/Qm5kB5X70oA?si=6PPGKGzuAO_A9rK1	IMF 2 /306	25.03.2026
3	Writing a clinical case history	Medical sheet	3	Main 1,2,3,4 Add 7,8,9 https://youtu.be/NtJso8hRKvw?si=w8umMfh645omZbEV	IMF 2 /306	20.04.2026
	Total		9h			

7.2 Plan of organization ISW(along with teachers) for lecturer

№	Topic	Task for ISW	Hours	Reference	Location (building/room)	Deadline
1	Infectious-toxic shock: Diagnosis and Treatment.	T	2	Main 1,2,3,4 Add 7,8,9 https://youtu.be/hSYKmbIVpaY?si=psWLyWx98a0	IMF 2 /305	28.02.2026

				<u>G ovl</u>		
2	Complications of myocardial infarction	T	2	Main 1,2,3,4 Add 7,9 https://youtu.be/FwX6eHHYP3E?si=7dVlDz8kpgY8b3VO	IMF 2 /305	25.03.2026
3	The impact of obesity and metabolic syndrome on the cardiovascular system.	T	2	Main 1,2,3,4 Add 7,9,10 https://youtu.be/B0T0Qv0BIZs?si=JRglLZm8qWkV2jIM	IMF 2 /305	20.04.2026
			6h			

Course Policy

The student can score points in all types of classes.

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:

- a) Mandatory attendance;
- b) Activity during lectures and practical classes;
- c) Preparation for classes, homework and SRS.

Unacceptably:

- a) being Late and leaving school;
- b) 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 – 2 points.
2. Production of stands – 3 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 - 3 points.

6. 100% attendance-2 points
7. Participation in the work of the SSC - 5 points
8. Preparation of the report and presentation at student conferences - 8 points

Penalty points.

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

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

Score points for summary control

Level	Name tasks	Number of tasks	Maximum points
1-level	Testing control	10	2marks
2-level	Interpretation of instrumental or laboratory data (includes 2 question)	1	3 marks
3-level	Case study (includes 3 question)	1	4marks
	Total		9 marks

Table of scoring of discipline « Faculty therapy 1»

Rating (points)	Gradebased on letter system	The numeralequivalent evaluation	Traditional system assessment
95 – 100	A+	4,0	Excellent
90-94	A	3,5	
85 – 89	B+	3,0	

80 – 84	B	2,5	Very good
75-79	C+	2,0	Good
70-74	C	1,5	
65-69	D+	1.0	Satisfactorily
60-64	D	0.5	
30-59	FX	0.0	Unsatisfactorily
1-29	F	0.0	

Reference

electronic resources	https://www.tripdatabase.com/ https://www.cochranelibrary.com/ https://pubmed.ncbi.nlm.nih.gov/ https://www.hindawi.com/journal https://ginasthma.org/2025-gina-strategy-report/ https://goldcopd.org/gold-reports/ <u>Diagnosis and Treatment of Adults with Community-acquired Pneumonia. An Official Clinical Practice Guideline.</u> external icon https://www.atsjournals.org/doi/full/10.1164/rccm.201908-1581ST https://www.ahajournals.org/doi/10.1161/HYPERTENSIONAHA.120.15026#:~:text=In%20accordance%20with%20most%20major,see%20below%20 https://www.icmr.gov.in/guidelines
electronic textbooks	https://ibooks.oshsu.kg/book/?lg=1&id_parent=50&id1=1832&id4= https://ibooks.oshsu.kg/book/?lg=1&id_parent=50&id1=1881&id4=
Required textbooks	<p>Main:</p> <ol style="list-style-type: none"> 1. Davidson’s Principles and Practice of Medicine 24th Edition 2022 2. Harrisons PRICIPLES OF INTERNAL MEDICINE// Fauci, Braunwald, Kasper, Longo, Jameson, and Loscalzo//22nd Edition Copyright 2025 3. Wilkinson I, Raine T, Wiles K, Goodhart A, Hall C, O’Neill H. <i>Oxford Handbook of Clinical Medicine</i>. 11th ed. Oxford University Press; 2024. 4. First Aid USMLE Step 2 2023 5. Medicine: Prep Manual for Undergraduates Aggarwal Praveen, George K. Mathew 6th Edition 2019 6. The 5 Minute Clinical Consult 2019 by Domino 27ed

Additional:

7. CURRENT Medical Diagnosis and Treatment // Maxine A. Papadakis, MD Stephen J. McPhee, MD// 64 ed 2025
8. Collins B, Montesi S (eds). *Precision Medicine in Interstitial Lung Disease*. Springer; 2025.
9. DIAGNOSIS AND TREATMENT IN INTERNAL MEDICINE// Patrick Davey David Sprigings// Oxford University Press 2018
10. Sabatine MS. *Pocket Cardiology*. 3rd ed. Wolters Kluwer; 2024.
11. Wintrobe's Clinical Hematology//John Greer, George M. Rodgers, Bertil Glader// 2019
12. Differential Diagnosis of Common Complaints// Robert H. Seller, MD Andrew B. Symons, MD, MS// the 7th edition 2016
13. Kumar & Clark's Clinical Medicine, 8th edition / Edited by Parveen Kumar, Michael Clark. – Saunders Ltd. – 2012.