

MINISTRY OF EDUCATION AND SCIENCE OF KYRGYZ REPUBLIC
Osh State University
International Medical Faculty

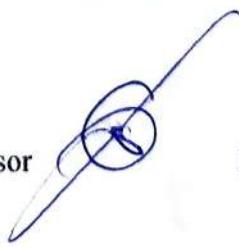
Department of "Clinical disciplines 1"

**TRAINING PROGRAM OF STUDENTS
(SYLLABUS)**

Specialty	General medicine	Course code	“560001”
Language of instruction	English	Subject	Faculty Therapy 2
Academic year	2025-2026y	Amounts of credits	5 credits
Teacher	Karabekova N.	Semester	VII
E-Mail	nkarabekova@oshu.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.



Course description: The course lasts 2 semesters and covers 150 hours of classes.

Goals of the Course:

- To acquire the knowledge, skills and competencies that are required to evaluate and treat patients with acute and chronic medical conditions commonly found in the adult at a level consistent with a graduating generalist medical student.
- To develop the physical examination and clinical skills required of a graduate medical student in general internal medicine practice, including the ability interpret information relative to normal and abnormal structure, function and physiology.
- To apply historical and clinical information for problems solving to advance the health of the patient.
- To develop the psycho-social and communication skills and competencies that are required to communicate with, and treat a wide diversity of patients in acute, outpatient and institutional settings.
- To develop the ability to research medical literature and scientific resources for information that affects the patient's condition, treatment and outcomes and the ability to evaluate and apply scientifically valid information to maximize the outcome of the patient.
- To develop knowledge, skill application and understanding of the indications, contraindications and application of medical procedures and therapies common to the specialty, including but not limited to ordering and interpretation of diagnostic studies, utilization of pharmacological agents, psychological and nutritional therapies.

Prerequisites:	- Latin language, biochemistry, biology, normal anatomy, normal physiology, pathological physiology, pharmacology, propaedeutics of internal diseases, surgical diseases 1
Post requisites:	Hospital therapy, surgical diseases 2, pediatrics 2, obstetrics and gynecology, family medicine, clinical pharmacology, neurology, family medicine and other clinical disciplines

Learning outcomes of the discipline

In the course the student will achieve the following learning outcomes:

LO (Learning outcomes) ООП	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 -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	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

<p>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.</p> <p>LO-11: able to apply basic knowledge in the field of research activities to solve professional problems</p>	<p>knowledge in the diagnostic activities to solve professional cases.</p> <p>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.</p> <p>LO-11: able to apply basic knowledge in the field of research activities to solve professional problems</p>	<p>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;</p> <p>PC-16</p> <ul style="list-style-type: none"> - 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>PC-17</p> <ul style="list-style-type: none"> - able to management patient in case of common diseases of internal medicine. <p>PC-19</p> <ul style="list-style-type: none"> able to first aid the adult population and children in case of emergency and life-threatening conditions, hospitalizes patients in a routine and emergency basis <p>PC-31</p> <ul style="list-style-type: none"> able and ready to analyze
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		and publicly present medical information based on evidence-based medicine
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Chart of Collection Points

discipline	cred it	In- class hours	ISW	Module 1(25 points)			Module 2 (25 points)			Exam (50 points)		
				In-class hours		ISW/I WST	SC (r)	In-class hours		ISW/I WST	SC (r)	
				Le. c.	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=tcp.+r+s) до 25 / 25			(M=tcp.+r+s) до 25 / 25			50	R _{доп.} = M1 + M2 (30-50)	
Final Grade												
							I = R _{доп.} + E			100		

Calendar thematic plan

№	topic title	Hours		Link	Marks
		Lecturer	practical		
1-Module					
1	Chronic gastritis and duodenitis, Peptic ulcer disease (modern treatment of peptic ulcer according to the clinical guidelines)	2	2	https://www.youtube.com/watch?v=E0IBMWQDEH4	4
			2	https://www.youtube.com/watch?v=E0IBMWQDEH4 \	4
2	Chronic enteritis and colitis. Non-specific ulcerative colitis Crohn's disease.	2	2	https://www.youtube.com/watch?v=thzOJV-CHRo	4
3	Chronic hepatitis (current issues in diagnosis and treatment)		2	https://www.youtube.com/watch?v=iefghc2g91M	4
4	Nonalcoholic Fatty Liver	2	2	https://www.youtube.com/watch?v=eocRM7MhF68	4

	Disease				
5	Liver cirrhosis (definition, etiology, pathogenesis, clinical picture)	2	2	https://www.youtube.com/watch?v=f46VFQG2S84 DIMEDUS- Liver cirrhosis (717)	4
6	Chronic pancreatitis	2	2	https://www.youtube.com/watch?v=met9SntRZe8	4
7	Chronic pyelonephritis (diagnosis and modern approaches to treatment)	2	2	https://www.youtube.com/watch?v=XN1CJOXfwx4	4
8	Glomerulonephritis (diagnosis and modern approaches to treatment)	2	2	https://www.youtube.com/watch?v=4RyflZ3k5d8&t=225s DIMEDUS -Chronic glomerulonephritis (663)	4
9	Chronic kidney disease	2	2	https://www.youtube.com/watch?v=fv53QZRk4hs	4
Module 1					
10	Anemia. Iron deficiency anemia. B12-deficient and folic deficiency anaemia	2	2	https://www.youtube.com/watch?v=Zrd_2r1Ivek DIMEDUS -Iron-deficiency anemia (266)	4
11	Osteoarthritis Gout	2	2	DIMEDUS - Osteoarthritis (409)	4
		2	2	https://www.youtube.com/watch?v=bznoU5bke4U&t=7s DIMEDUS -Gout (494)	4
12	Rheumatoid arthritis.	2	2	https://www.youtube.com/watch?v=EB5zxdAQGzU DIMEDUS -Rheumatoid arthritis (540)	4
13	Systemic lupus erythematosus. (modern treatment according to the clinical	2	2	https://www.youtube.com/watch?v=S-MA9Til_GA	4

	guidelines)				
16	Diabetes mellitus		2	https://www.youtube.com/watch?v=-B-RVybvffU	4
17	Hypothyroidism. Hyperthyroidism		2	https://www.youtube.com/watch?v=_naOgnjJlz0 DIMEDUS -Hyperthyroidism (235)	4
18	Endemic goiter. Thyrotoxic goiter		2	https://www.youtube.com/watch?v=tzIPjcHyQak&t=330s	4
	Total:	24	36		

Plan of organization ISW

Nº	Topic	Task for ISW	Hours	Reference	Deadline
1.	Complications of peptic ulcers	Essay	2	Main 1,2,3,4 Add 3,4	2-week
2.	Pseudo-membranous colitis, intestinal dysbiosis	Report (referat)	4	Main 1,2,3,4 Add 3,4	4-week
3.	Complications of liver cirrhosis	Lirerature review	25	Main 1,2,3,4 Add 3,4	7-week
4.	Urolithiasis	Poster presentation	4	Main 1,2,3,4 Add 3,4	9-week
5.	Complications of rheumatoid arthritis	Article	30	Main 1,2,3,4 Add 3,4	12-week
6.	Myositis	Medical sheet	10	Main 1,2,3,4 Add 3,4	16-week
	Total:1/2 module		75		

Plan of organization ISW(teacher based) for practical classes

Nº	Topic	Task for ISW	Hours	Assessment tools	Reference	Deadline
1	Gastroesophageal reflux disease(GERD). Barretts esophagitis. Achalasia of the esophagus.	Video presentation	3	OS	Main 1,2,3,4 Add 2,3 https://youtu.be/zh-9RaSCMxQ?si=IC6op68WO898EnxK	23.02.- 28.02.26
2	Portal hypertension	Paper(essay)	3	T	Main 1,2,3,4 Add 1,2 https://youtu.be/VxJqw3dCgAs?si=SyRRAgSkccviTWxA	30.03.- 04.04.26
3	Reactive arthritis.	Medical sheet	3	T	Main 1,2,3,4 Add 2,3 https://youtu.be/snjGL2x6Eus?si=PcWnp17d3KFE_DCEe	11.05.- 16.05.26
	Total		9			

Plan of organization ISW(teacher based) for lecturer

Nº	Topic	Task for ISW	Hours	Assessment tools	Reference	Deadline
1	Hemolytic anemia	T	2	T	Main 1,2,3,4 Add 1,2 https://youtu.be/U9IEi5ZzY0o?si=UCQ1_Tr1JarvS1lq	09.02.- 14.02.26
2	Acute pancreatitis (diagnosis and modern approaches to treatment).	T	2	T	Main 1,2,3,4 Add 2,3 https://youtu.be/Pm_Y6lFwFzE?si=izZIDtSeMfBXv2zB	09.03.- 14.03.26
3	Osteoporosis (diagnosis and modern approaches to treatment)	T	2	OS	Main 1,2,3,4 Add 2,3 https://youtu.be/...	06.04.- 11.04.26

					be/A2TsbVE fs4U?si=GfZ rMTOjd456 Ozya	
			6			

discussion, ILID- interpretation of laboratory- instrumental data, T-testing, BS - brainstorming method, CAP - clinical analysis of the patient; APS - assessment of practical skills

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, • 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

Course Policy

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 SRS.

Unacceptably:

- being Late and leaving school;
- Use of cell phones during classes;
- 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).

Table of scoring of discipline « Faculty therapy 2»

Rating (points)	Grade based 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	Very good
80 – 84	B	2,5	
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	

electronic resources	<p>https://www.tripdatabase.com/ https://www.cochranelibrary.com/ https://pubmed.ncbi.nlm.nih.gov/ https://www.hindawi.com/journal</p>
electronic textbooks	<p>https://ibooks.ohsu.kg/book/?lg=1&id_parent=50&id1=1832&id4=</p> <p>https://ibooks.ohsu.kg/book/?lg=1&id_parent=50&id1=1881&id4=</p>
Required textbooks	<p>Main:</p> <ol style="list-style-type: none"> 1. Davidson's Principles and Practice of Medicine 24th Edition 2022 2. Harrisons PRINCIPLES 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 <p>Additional:</p> <ol style="list-style-type: none"> 7. CURRENT_Medical_Diagnosis_and_Treatment // Maxine A. Papadakis, MD Stephen J. McPhee, MD// 64_ed_2025 8. Collins B, Montesi S (eds). <i>Precision Medicine in Interstitial Lung Disease</i>. Springer; 2025. 9. DIAGNOSIS AND TREATMENT IN INTERNAL MEDICINE// Patrick Davey David Sprigings// Oxford University Press 2018 10. Sabatine MS. <i>Pocket Cardiology</i>. 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.