

MINISTRY OF SCIENCE, HIGHER EDUCATION AND INNOVATIONS OF THE
KYRGYZ REPUBLIC
OSH STATE UNIVERSITY
INTERNATIONAL MEDICAL FACULTY

DEPARTMENT OF CLINICAL DISCIPLINES 1

STUDENT TRAINING PROGRAM

(Syllabus)

Specialty (direction)	560001 GM	Course code	B.1.
The language of instruction	English	Discipline	Propedeutics of Internal diseases 1
Academic year	2025-2026	Number of credits	5 credits
Teachers	Kebekova A.A. Abdilazizova A. R. Ajimamatova R. M. Madraimova V. S. Ergesheva A. B.	Semester	5
E-Mail	kebekovaaizat@gmail.com asabdilazizova@oshsu.kg e.aizirek95@gmail.com vmadraimova@oshsu.kg	Schedule according to the OSH State University application Student	MyEDU
Consultations (time/aud)	IMF 2 (08:00-17:00/306)	Location (building/auditorium)	IMF 2. 308
Form of study (full-time/part-time/evening/distant)	Full-time	Course type: (compulsory/elective)	Compulsory

Head of the General Medicine Program IMF,

Candidate of Medical sciences, Associate Professor

Bugubaeva M. M.

Osh, 2026

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

Purpose of the discipline

The purpose of teaching the subject "Internal diseases 1 (5th semester)" is to form widely educated professionals who know the methods of research of patients with internal diseases, who know the diagnosis, symptomatology and General principles of treatment of the most common internal diseases in adults.

Prerequisites	Latin, chemistry, biochemistry, biology, normal anatomy, pathological anatomy, normal physiology, pathological physiology, pharmacology
Postrequisites	Internal diseases 2, 3, 4, surgical diseases 1, 2, children's diseases 1, 2, obstetrics and gynecology, neurology, family medicine, clinical pharmacology and other clinical disciplines.

Learning outcomes of the discipline

By the end of the course, the student:

LO (learning outcome) GEP	LO disciplines	Competence
LO3- is able to determine and implement the priorities of its own activities and ways to improve it on the basis of accepted moral and legal norms of society.	Be able to: understand and apply medical ethics, comply with legal and regulatory frameworks, preserve doctor-patient confidentiality and balancing professional obligations with legal requirements.	PC-1 is capable and ready to comply with the rules of medical ethics, laws and regulations on working with confidential information, and to maintain medical confidentiality.
LO4- is capable of solving standard tasks using medical and technical equipment, information and communication resources and technologies/	Be able to: analize and solve routine tasks through the use of medical and technical equipment, as well as information and communication resources and technologies in patient examination.	PC-7 - is capable and ready to work with medical and technical equipment used in the work of patients, to use the capabilities of modern information technologies to solve professional tasks.
LO5- is capable of assessing morphofunctional, physiological conditions and pathological processes and applying research methods for sick adults and children to solve professional problems.	Be able to: apply patient examination (inspection, palpation, percussion and auscultation) for the diagnosing adults and children to address professional challenges according to physiological and pathological conditions.	PC-5- is able and ready to conduct and interpret a survey, physical examination, clinical examination, the results of modern laboratory and instrumental sequences, write a medical record of an outpatient and inpatient patient of an adult and a child.
LO7- is able to apply basic knowledge in the field of diagnostic activities to solve	Be able to: apply and interpret clinical, laboratory and instrumental diagnostic	PC-14 is capable and ready to make a diagnosis based on the results of biochemical and clinical studies,

professional problems.	activities in clinical examination.	taking into account the course of pathology in organs, systems and in general.
		PC-15--is able and ready to analyze the patterns of functioning of individual organs and systems, use knowledge of anatomical and physiological features, 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.

4. Chart of Collection Points

discipline	cre dit	In-class hours	ISW	Module 1(25 points)				Module 2 (25 points)			Exam (50 points)					
				In-class hours		IS W	IW ST	SC(r)	In-class hours		ISW/IW ST	SC(r)				
				Lec.	Pr.				Lec.	Pr.						
Propedeutics of Internal diseases 1	5	60	90	16	18	40	9		8	18	35/6					
Cumulative Points Chart				4	4	8	0	9	4	4	8	9				
Module and Exam Results				(M=tcp.+r+s) 25 / 25				(M=tcp.+r+s) 25 / 25				50				
Final Grade				I = Rдоп. + E												

Calendar thematic plan

№ week	Lecture topics	Lecture hours	points	Link
1	The main symptoms of digestive system, identified during questioning, physical examination, laboratory and instrumental research methods	2	4	<u>Abdominal Examination - OSCE Guide (Latest) UKMLA CPSA PLAB 2</u>
2	Dysphagia, dyspepsia. Peptic ulcer. Maldigestion and malabsorption. Cytolysis syndrome. Syndrome of portal hypertension and liver failure	2	4	<u>Dysphagia Clinical Medicine</u>
3	Syndrome of exocrine pancreatic insufficiency. Syndrome of inflammation of the gallbladder (Cholecystitis). Gallstones. Dyskinesia of the gallbladder and bile ducts.	2	4	<u>Gallstones (cholelithiasis)</u>

4	Urinary syndrome. Nephrotic syndrome. Dysuric syndromes.	2	4	<u>Nephrotic Syndrome vs Glomerulonephritis / Nephritic vs Nephrotic Syndrome Nursing NCLEX</u>
5	Syndromes of renal hypertension and renal failure.	2	4	<u>Hypertension & Kidney Disease / Renovascular Hypertension vs Hypertensive Nephropathy</u>
6	The main symptoms of diseases of the hematopoietic system identified during questioning, physical examination, laboratory and instrumental research methods. Syndrome of anemia Sideropenic syndrome.	2	4	<u>Lymphoreticular Examination - OSCE Guide (lymph node, spleen and liver examination) UKMLA CPSA</u>
7	Hemolytic syndrome. Hemorrhagic syndrome. Hyperplastic syndrome. Pletoric and disseminated intravascular coagulation syndromes.	2	4	<u>Bleeding Disorders (ITP vs TTP vs HUS vs DIC) USMLE</u>
8	The main symptoms of diseases of the endocrine system, identified during questioning, physical methods of research and by laboratory and instrumental methods.	2	4	<u>General Endocrine Exam Updated</u>
9	Syndrome of hyperglycemia and hypoglycemia. The syndrome of hyperthyroidism, hypothyroidism.	2	4	<u>Hypoglycemia vs Hyperglycemia Endocrine System (Part 3)</u>
10	Hypercorticism and hypocorticism syndromes. Gigantism and acromegaly. Syndromes of reduced somatotropic hormone (pituitary gigantism) and obesity.	2	4	<u>Short Addisons vs. Cushing's Disease Video</u>
11	The main symptoms of diseases of the musculoskeletal system, identified during questioning and physical methods of research, laboratory and instrumental methods.	2	4	<u>Health Assessment: Musculoskeletal System- Nursing Skills</u>
12	Syndrome of joint inflammation. Syndromes of degenerative joint damage and osteopenia. Syndromes inflammatory lesions of the muscles, lesions of soft tissues around joints and connective tissue diffuse inflammation syndrome.	2	4	<u>Battling Bacterial Joint Inflammation: What You Need to Know</u>
13				
Module				
Total: M1+M2		24h	4p	

Calendar thematic plan for practical classes

No Week	topic title	Link	Hours	Marks	teaching methods	assessment methods
1-Module						
1	The main symptoms of digestive system diseases identified during questioning and physical examination.	Abdominal Examination - OSCE Guide (Latest) UKMLA CPSA PLAB 2	2	4	CS, RPlay	T, PSkills
2	Laboratory and instrumental research methods. Dysphagia, gastric dyspepsia, and intestinal dyspepsia syndromes. Peptic ulcer syndrome.	Dysphagia Clinical Medicine	2	4	CS, D	OS, T
3	Syndromes of hepatocyte cytosis, jaundice, portal hypertension, cholestasis, and liver failure.	Cholestasis - liver pathology	2	4	CS, D, BT	T, OS
4	Syndromes of gallbladder pathology. Inflammatory syndromes of the gallbladder (cholecystitis). Cholelithiasis syndrome (presence of gallstones).	Gallstones (cholelithiasis)	2	4	CS, D	OS, T
5	Syndromes of gallbladder dyskinesia (functional disorders): hyperkinetic type, hypokinetic type, mixed type.	Biliary Dyskinesia and Low Functioning Gallbladder	2	4	CS, D, BT	T, OS
6	Main (general) symptoms of urinary system diseases detected during questioning (anamnesis). Specific symptoms. Physical examination: inspection, palpation, auscultation.	Palpating the Kidneys, Ureters, and Bladder	2	4	CS, RPlay	OS, T
7	Laboratory findings in urinary system diseases: urinalysis, blood tests. Instrumental methods.	Urinalysis Clinical Medicine	2	4	D, CS	OS, T
8	Urinary, nephrotic, acute nephritic, and dysuric syndromes.	Nephrotic Syndrome vs Glomerulonephritis Nephritic vs Nephrotic Syndrome Nursing NCLEX	2	4	CS, D, BT	T, OS
9	Syndromes of renal arterial hypertension, renal failure, and renal eclampsia.	Hypertension & Kidney Disease Renovascular Hypertension vs Hypertensive Nephropathy	2	4	CS, D	OS, T
2-Module						
10	Syndromes of urinary tract infection and the presence of stones in the bladder and urinary tract.	Bladder Stones : Symptoms, and Your Path to Relief	2	4	D-, RPlay	DOPS T
11	The main symptoms of diseases of the hematopoietic system detected during	Lymphoreticular Examination - OSCE	2	4	D, Rpla	OS,

	questioning and physical examination.	Guide (lymph node, spleen and liver examination) UKMLA CPSA			y	DOPS
12	Laboratory and instrumental methods of hematopoietic system research. Anemia syndrome. Sideropenic syndrome.	Hematology Types of Anemias	2	4	D, CS	T, OS, PS
13	Hemolytic, hemorrhagic, plethoric, and disseminated intravascular coagulation (DIC) syndromes.	Bleeding Disorders (ITP vs TTP vs HUS vs DIC) USMLE	2	4	D, CBL	T, OS PSkills
14	The main and specific symptoms of endocrine system diseases identified during questioning and physical examination.	General Endocrine Exam Updated	2	4	D, Rplay	T, OS BT
15	Laboratory and instrumental methods of endocrine system research. Hyperglycemic and hypoglycemic syndromes.	Hypoglycemia vs Hyperglycemia Endocrine System (Part 3)	2	4	CS, D	T-test, OS
16	Syndromes of hyperthyroidism and hypothyroidism. Hypercorticism and hypocorticism syndromes.	Hypothyroidism vs Hyperthyroidism Nursing NCLEX Hypothyroidism and Hyperthyroidism Difference	2	4	D, RP	T-test, OS
17	The main symptoms of musculoskeletal system diseases identified during questioning and physical examination.	Short Addisons vs. Cushing's Disease Video	2	4	D, Rplay	T, OS, PSkills
18	Laboratory and instrumental methods of musculoskeletal system research.	Health Assessment: Musculoskeletal System- Nursing Skills	2	4	CS, D	T, OS, DOPS

1-Module

	Total hours / Average current score	36h	4		
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Teaching Methods	<ul style="list-style-type: none"> LV – Lecture-Visualization LC – Lecture-Consultation D – Discussion RG – Role-Playing CBL – Case-Based Learning PBL – Problem-Based Learning TBL – Team-Based Learning SP – Standardized Patient BTL – Bedside Teaching (learning at the patient's bedside) IDMT – Instrumental and Diagnostic Methods Training
Assessment Methods	<ul style="list-style-type: none"> OO – Oral Examination OSCE – Objective Structured Clinical Examination DOPS (Direct Observation of Procedural Skills) – a method of direct observation and assessment of a student's practical skills in real clinical settings
Training Base	<ul style="list-style-type: none"> Medical Clinic of Osh State University

No	Topic	Task for ISW	Hours	Assessment tools	Marks	Reference	Deadline
1.	Symptomatology and General principles of treatment of chronic hepatitis, cirrhosis of the liver and chronic pancreatitis.	Referat	8	T	4	Main 1,2,3,4 Add 6,7,8,9 https://youtu.be/B-pGW-gdNHw?si=QXkNuyAvNnavzR77	2-week
2.	Symptomatology and General principles of treatment of chronic cholecystitis, gallstone disease and dyskinesia of the gallbladder and biliary tract.	History of patient	10	T	4	Main 1,2,3,4 Add 6,7,8,9 https://youtu.be/i18TqP07oDs	4-week
3	Symptomatology and General principles of treatment of acute glomerulonephritis	Article	30	T	4	Main 1,2,3,4 Add 6,7,8,9 https://youtu.be/nDklf0bYqeQ?si=bpXgUk5tb58TKXu5	6-week
4	Symptomatology and General principles of treatment of iron-deficient, B12-deficient, hemolytic and hypoplastic (aplastic) anemia.	Video	8	T	4	Main 1,2,3,4 Add 6,7,8,9 https://youtu.be/TNug0MHdhq0?si=RrancZRQ50HrLrC2	8-week
5	Symptomatology and General principles of treatment of hemorrhagic diatheses, hemophilia and idiopathic thrombocytopenia.	Interview	8	OS	4	Main 1,2,3,4 Add 6,7,8,9 https://youtu.be/x546zRxMxYo?si=ON78qXxFf6HIMdYC	11-week
6	Symptomatology and General principles of treatment of acute and chronic leukemia.	History of patient	10	OS	4	Main 1,2,3,4 Add 6,7,8,9 https://youtu.be/w4u3f7k-kIA?si=Up8eOfafqz9ZRTQa	13-week
7	Symptomatology and General principles of treatment of gastritis, gastric ulcer and duodenal ulcer.	PPT presentation	1	OS	4	Main 1,2,3,4 Add 6,7,8,9 https://youtu.be/o5bYc9FvsQQ	15-week

Plan of Consultations for Students' Independent Work under Teacher's Guidance

No	Topic	Self-Work	h	Assessment method	Educational resources	Venue	Date
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For lecture classes

1.	Syndrome of portal hypertension and liver failure	Medical sheet	2	T	4	Main 1,2,3,4 Add 6,7,8,9 <u>Portal Hypertension</u> - Causes of Portal Hypertension (Pre/Intra/Post Hepatic) Symptoms & Diagnosis	2-week
2.	Dyskinesia of the gallbladder and bile ducts.	Paper(essay)	2	T	4	Main 1,2,3,4 Add 6,7,8,9 <u>Biliary colic</u> (gallbladder attack) - causes, symptoms, diagnosis, treatment, pathology	5-week
3.	Dysuric syndromes.	Medical sheet	2	T	4	Main 1,2,3,4 Add 6,7,8,9 <u>Nephrotic vs. Nephritic syndrome</u> Symptoms, diagnosis, causes, treatment Visual explanation	10-week

For Practical classes

1	Syndromes of acute rheumatic fever, rheumatoid arthritis	Medical sheet	3	T	4	Main 1,2,3,4 Add 6,7,8,9 <u>Rheumatic Fever Made Easy</u> (Including Jones Criteria and Mnemonic!)	2-week
2	Syndromes of increased (gigantism and acromegaly) and reduced (pituitary nanism) production of somatotrophic hormone.	Creative work	3	OS	4	Main 1,2,3,4 Add 6,7,8,9 <u>Gigantism & Acromegaly</u> Growth Hormone, Signs & Symptoms, Diagnosis, Treatment	5-week
3	Syndrome of inflammatory	Paper(essay) Cs	3	T	4	Main 1,2,3,4 Add 6,7,8,9	10-week

joint damage. Syndromes of degenerative joint damage and osteopenia.				<u>Battling Bacterial Joint Inflammation: What You Need to Know</u>	
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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 IW	Unacceptably: a) being Late and leaving university; b) Use of cell phones during classes; C) Untimely delivery of tasks.
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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.	Penalty point.
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	1. Regular lateness to classes – 1 point. 2. Missed lectures and classes - 2 points 3. Disrespectful attitude to medical personnel, patients, teacher-2 points. 4. Smoking on the territory of the medical institution – 2 points. 5. Untidy appearance, lack of Bathrobe, cap, replacement shoes - 1 point. 6. Damage to the Cathedral property - 2 points 7. A systematic lack of preparation for practical classes – 2 points. 8. 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).

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	1	3 marks

	(includes 2 question)		
3-level	Case study (includes 3 question)	1	4marks
	Total		9 marks

Table of scoring of discipline « Propaedeutics of Internal Diseases 1»

Rating (points)	Grade based on letter system	The numeral equivalent 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	

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/standards-of-care/practice-guidelines-resources
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=
Учебники (библиотека)	<p>Main reference:</p> <ol style="list-style-type: none"> 1. Harrison's PRINCIPLES OF INTERNAL MEDICINE// Fauci AS, Braunwald E, Kasper DL, Longo DL, Jameson JL, Loscalzo J. //22nd ed. McGraw Hill; 2025. 2. Davidsons Principles & Practice of Medicine//Nicki R. College, Brain R. Walker, Stuart H. Ralston//24th Edition 2022 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. CURRENT Medical Diagnosis and Treatment // Maxine A. Papadakis, MD Stephen J. McPhee, MD// 64 ed 2025 5. First Aid USMLE Step 2 2023 <p>Additional reference:</p> <p>Respiratory Medicine</p> <ol style="list-style-type: none"> 1. Collins B, Montesi S (eds). <i>Precision Medicine in Interstitial Lung Disease</i>. Springer; 2025. 2. Lechtzin N (ed). <i>Pulmonary Complications of Neuromuscular Disease</i>.

Springer; 2024.

3. Dixon AE, Forno E (eds). *Obesity and Lung Disease: A Guide to Pathophysiology, Evaluation, and Management*. Springer; 2024.
4. Sorino C, Agati S (eds). *Rare and Interstitial Lung Diseases: Clinical Cases and Real-World Discussions*. Springer; 2024.
5. Fan E, Fernando SM, Sahetya S (eds). *Acute Respiratory Distress Syndrome*. Clinics in Chest Medicine; 2025.

Cardiology & Critical Care

6. Sabatine MS. *Pocket Cardiology*. 3rd ed. Wolters Kluwer; 2024.
7. Marino PL. *The ICU Book*. 5th ed. Wolters Kluwer; 2024.
8. Klein AL, Asher CR. *Clinical Echocardiography Review*. 3rd ed. Wolters Kluwer; 2024.
9. Kollef MH, Isakow W, Oropello JM (eds). *The Washington Manual of Critical Care*. 4th ed. Wolters Kluwer; 2024