

**MINISTRY  
OF EDUCATION AND SCIENCE and Innovation OF KYRGYZ REPUBLIC  
OSH STATE UNIVERSITY  
INTERNATIONAL MEDICAL FACULTY  
DEPARTMENT OF "CLINICAL DISCIPLINES 1"**

**TRAINING PROGRAM OF STUDENTS  
( SYLLABUS)**

<b>Specialty</b>	General medicine	<b>Course Code</b>	"560001"
<b>language of instruction</b>	English	<b>Discipline</b>	Hospital therapy 2
<b>academic year</b>	2025-2026	<b>The number of credits</b>	5
<b>instructor</b>	Murzabek kyzy A	<b>Semester</b>	IX
<b>E-Mail</b>	amurzabekkyzy@oshsu.kg	<b>schedule on "OshSU student"</b>	
<b>consultation (time/ auditorium)</b>	IMF 2 (08:00-17:00/310)	<b>Location (build/audit)</b>	IMF 1. 207
<b>Form of education (full-time/part-time/evening/distant)</b>	full-time	<b>Type of course:</b>	basic

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

**Bugubaeva M. M.**

## Purpose of the discipline "Hospital Therapy 2"

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.

<b>Prerequisites</b>	Normal anatomy, Pathological anatomy , Physiology, Pharmacology, Internal Medicine 1,2,Surgical disease 1,2, Pediatrics 1,2	
<b>Post requisites</b>	Family medicine, Oncology, Clinical Pharmacology	
<b>learning outcomes</b>		
In the course of mastering the discipline, the student will achieve the following:		
<b>Code of the results of the general education curriculum and its formulation</b>	<b>Learning outcome of course and its code</b>	<b>Code and formulation of competencies</b>
LO -5 - Able to assess morphofunctional, physiological conditions and pathological processes and apply methods of research of adult and pediatric patients for professional tasks	<b>LOc- 1:</b> 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.	<b>LOc- 2</b> 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;

#### 4. Chart of Collection Points

discipline	credit	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)	(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				$(M=tc.p.+r+s) \text{ } \partial \text{ } 25 / 25$			$(M=tc.p.+r+s) \text{ } \partial \text{ } 25 / 25$			50		
				$(30-50)$			$R\partial on. = M1 + M2$					
Final Grade							$I = R\partial on. + E$			100		

#### 5. Calendar thematic plan

Nº of weeks	Date	Topics	lecture r	practical	points	link
<b>Module I</b>						
1.	1.09-06.09.25	Differential diagnosis intestinal dispepsia (IBS, ulcerative colitis, Crohn's disease, )	2		4	<a href="https://youtu.be/iefghc2g91M?si=Yvz5aulGwTgdoR5H">https://youtu.be/iefghc2g91M?si=Yvz5aulGwTgdoR5H</a>

2.	1.09-06.09.25	Differential diagnosis and treatment of dyspeptic syndrome (GERD, gastritis peptic ulcer, esophageal cancer, gastric cancer, functional dyspepsia )		2	4	<a href="https://youtu.be/y-shOXdsJeA?si=hiU6TnKLuek2Q6aE">https://youtu.be/y-shOXdsJeA?si=hiU6TnKLuek2Q6aE</a> <a href="https://youtu.be/E01BMWQDEH4?si=zfv1mSfpOO6beEaj">https://youtu.be/E01BMWQDEH4?si=zfv1mSfpOO6beEaj</a>
3.	8.09-14.09.25	Differential diagnosis of gastrointestinal bleeding from the lower gastrointestinal tract: (colon cancer, ulcerative colitis, Crohn's disease, hemorrhoids) diagnostics, emergency care algorithm		2	4	<a href="https://youtu.be/QPolcKbTgIE?si=j_oy92w9BigeZ3kS">https://youtu.be/QPolcKbTgIE?si=j_oy92w9BigeZ3kS</a> <a href="https://youtu.be/thzOJV-CHRo?si=EnxAxRZSv6jr_Qrm">https://youtu.be/thzOJV-CHRo?si=EnxAxRZSv6jr_Qrm</a>
4.	15.09-21.09.25	Choledocolithiasis, chronic cholecystitis, biliary dyskinesia	2	2	4/4	<a href="https://www.youtube.com/watch?v=UPw3ot1M_o0&amp;pp=ygUcLCBiaWxpYXJ5IGR5c2tpbmVzaWEgb3Ntb3Npcw%3D%3D">https://www.youtube.com/watch?v=UPw3ot1M_o0&amp;pp=ygUcLCBiaWxpYXJ5IGR5c2tpbmVzaWEgb3Ntb3Npcw%3D%3D</a>
5.	22.09-28.09.25	Differential diagnosis of hepatomegaly, splenomegaly and ascites: chronic hepatitis B, C, D, liver cirrhosis ,hepatocellular carcinoma) Diagnostics. Modern methods of treatment	2	2	4/4	<a href="https://youtu.be/f46VFAQG2S84?si=K6iR7N16iXSo2UJ8">https://youtu.be/f46VFAQG2S84?si=K6iR7N16iXSo2UJ8</a>
6.	29.09-05.10.25	Differential diagnosis and treatment of jaundice( chronic hepatitis, hemolytic anemia,liver cancer). Benign inheritable disorders of bilirubin metabolism. Dubin-Johnson syndrome. Gilbert syndrome		2	4	<a href="https://www.youtube.com/watch?v=gIACp5js4MU&amp;pp=ygURamF1bmRpY2UoIG9zbW9zaXM%3D">https://www.youtube.com/watch?v=gIACp5js4MU&amp;pp=ygURamF1bmRpY2UoIG9zbW9zaXM%3D</a>
7.	6.10-12.10.25	Differential diagnosis and treatment of Acute kidney injury	2	2	4/4	<a href="https://youtu.be/ISFEgK8sfb8?si=c-v13aiAekfnnl9l">https://youtu.be/ISFEgK8sfb8?si=c-v13aiAekfnnl9l</a>
8.	13.10-19.10.25	Differential diagnosis and treatment of nephrotic syndrome. Kidney amyloidosis.	2	2	4/4	<a href="https://youtu.be/ZGPa4FN9M4?si=R4mrTvXUf6FwTqyv">https://youtu.be/ZGPa4FN9M4?si=R4mrTvXUf6FwTqyv</a> <a href="https://youtu.be/d2PDFp0SNdE?si=cpKQHCjylxew6Av7">https://youtu.be/d2PDFp0SNdE?si=cpKQHCjylxew6Av7</a>
9.	20.10-	Differential diagnosis		2	4	<a href="https://youtu.be/fv53Q">https://youtu.be/fv53Q</a>

	26.10.25	and treatment of chronic kidney disease				<a href="https://www.youtube.com/watch?v=ZRk4hs?si=wjKZ_xTRIUbYvWL">ZRk4hs?si=wjKZ_xTRIUbYvWL</a>
10.	27.10.-02.11.25	Hemolytic anemia(Autoimmune hemolytic anemia. Hereditary microspherocytosis.) Aplastic anemia Differential diagnosis	2	2	4/4	<a href="https://www.youtube.com/watch?v=t1JT57ZvldY&amp;pp=ygUYSGVtb2x5dGJlJGFuZW1pYSBvc2lvc2lz">https://www.youtube.com/watch?v=t1JT57ZvldY&amp;pp=ygUYSGVtb2x5dGJlJGFuZW1pYSBvc2lvc2lz</a> DIMEDUS- Hemolytic anemia(№220)
<b>Module II</b>						
11.	10.11.-15.11.25	Differential diagnosis and treatment of hyperchromic, normochromic, hypochromic anemia	2	2	4/4	<a href="https://www.youtube.com/watch?v=Vh1LZILCfkU&amp;pp=ygU2aHlwZXJjaHJvbWljLCBub3Jtb2Nocm9taWMsJGh5cG9jaHJvbWljJGFuZW1pYSBvc2lvc2lz">https://www.youtube.com/watch?v=Vh1LZILCfkU&amp;pp=ygU2aHlwZXJjaHJvbWljLCBub3Jtb2Nocm9taWMsJGh5cG9jaHJvbWljJGFuZW1pYSBvc2lvc2lz</a>
12.	17.11.-22.11.25	Differential diagnosis and treatment of hemorrhagic disease(Hemorrhagic vasculitis, Autoimmune Thrombocytopenia, Hemophilia.)	2	2	4/4	<a href="https://www.youtube.com/watch?v=x546zRxMxYo&amp;pp=ygUSSGVtb3BoaWxpYSBvc2lvc2lz0gcJCbIJAYcqIYz">https://www.youtube.com/watch?v=x546zRxMxYo&amp;pp=ygUSSGVtb3BoaWxpYSBvc2lvc2lz0gcJCbIJAYcqIYz</a> DIMEDUS- Hemophilia(№228)
13.	24.11.-29.11.25	Hematological malignancies. Acute leukemias. Differential diagnosis.	2	2	4/4	<a href="https://youtu.be/IN2MtisTzC0?si=W0WIW-uwoZg7m3_X">https://youtu.be/IN2MtisTzC0?si=W0WIW-uwoZg7m3_X</a> <a href="https://youtu.be/xvX0JdBWrU0?si=BkTTcLUWw8qNWsTt">https://youtu.be/xvX0JdBWrU0?si=BkTTcLUWw8qNWsTt</a> DIMEDUS- Acute leukemia (№420)
14.	01.12.-06.12.25	Differential diagnosis and differentiated therapy for lymphadenopathy and splenomegaly . CML. CLL	2	2	4/4	<a href="https://www.youtube.com/watch?v=RTdHfV2EGw&amp;pp=ygURIE NNTC4gO0xMIG9zbW9zaXM%3D">https://www.youtube.com/watch?v=RTdHfV2EGw&amp;pp=ygURIE NNTC4gO0xMIG9zbW9zaXM%3D</a> DIMEDUS- Chronic leukemia (№683)
15.	08.12.-13.12.25	Multiple myeloma. Polycythemia vera. The clinical presentation of DIC in the clinic of internal diseases	2	2	4/4	<a href="https://youtu.be/ghvoKhpAc64?si=xrKmU3M0272YvTBU">https://youtu.be/ghvoKhpAc64?si=xrKmU3M0272YvTBU</a>
16.	15.12.-20.12.25	Differential diagnosis and treatment of spondyloarthritis (reactive arthritis, psoriatic		2	4/4	<a href="https://www.youtube.com/watch?v=ZzWtNKPdUdc&amp;pp=ygUeLGFua3lsb3Npbmcgc3Bvb mR5bGl0aXNvc2lvc2lz">https://www.youtube.com/watch?v=ZzWtNKPdUdc&amp;pp=ygUeLGFua3lsb3Npbmcgc3Bvb mR5bGl0aXNvc2lvc2lz</a>

		arthritis,ankylosing spondylitis)				<a href="#">lz0gcJCbIJAYcqIYzv</a>
17.	22.12-27.15.25	Differential diagnosis and treatment of systemic connective tissue diseases .( Systemic sclerosis Dermatomyositis, )	2	2	4/4	<a href="https://youtu.be/ekRZkjTlgr0?si=78tv6CXQ62hB2Oau">https://youtu.be/ekRZkjTlgr0?si=78tv6CXQ62hB2Oau</a> <a href="https://youtu.be/vez85zdCw-A?si=r0bJH1jPQDZYsOfn">https://youtu.be/vez85zdCw-A?si=r0bJH1jPQDZYsOfn</a>
18.	12.01-17.01-26	Sjogren's syndrome. Osteoporosis		2	4	<a href="https://www.youtube.com/watch?v=Gh4WineSF-k&amp;pp=ygUdU2pvZ3JlbidzLHN5bmRyb2l1LiAgIG9zbW9zaXM%3D">https://www.youtube.com/watch?v=Gh4WineSF-k&amp;pp=ygUdU2pvZ3JlbidzLHN5bmRyb2l1LiAgIG9zbW9zaXM%3D</a>
19.	19.01-24.01-26	Differential diagnosis of systemic vasculitis( <u>Horton's disease.</u> Takayasu's arteritis . Polyarteritis nodosa, Goodpasture syndrome.)	2	2	4	<a href="https://www.youtube.com/watch?v=ck8W4GcYYe8&amp;t=342s&amp;pp=ygUeIFRha2F5YXNlJ3MgYXJ0ZXJpdGlzICBvc2lvc2lz">https://www.youtube.com/watch?v=ck8W4GcYYe8&amp;t=342s&amp;pp=ygUeIFRha2F5YXNlJ3MgYXJ0ZXJpdGlzICBvc2lvc2lz</a>
	<b>In total :</b>		24h	36h	4/4	

### 6. Plan of organization ISW

No	Topic	Task for ISW	Hours	Assessment tools	Marks	Reference	Deadline
	Differential diagnosis and treatment of intestinal dyspepsia, malabsorption.	Medical sheet	5	OS	4	Main 1,2,3,4 Add 3,4	1-week
	Differential diagnosis of diseases manifesting hepatomegaly and hepatolencal syndrome. Portal hypertension syndrome.	Assignment	5	T	4	Main 1,2,4 Add 3,4	1-week
	Differential diagnosis and treatment of jaundice( chronic hepatitis, hemolytic anemia,liver cancer). Benign inheritable disorders of bilirubin metabolism. Dubin-Johnson syndrome. Gilbert syndrome	Video presentation	5	OS	4	Main 1,2,3,4 Add 3,4	2-week
	Tubulointerstitial Nephritis. Clinical recommendations. Etiology. Clinical symptoms. Diagnosis. Treatment	Creative work	5	T	4	Main 1,2,3, Add 3,4	2-week

Fever of unknown origin (FUO). Differential diagnosis of fever: constitutional, allergic, infectious (sepsis, infective endocarditis, tuberculosis, viral hepatitis, HIV infection), oncological genesis (malignant tumors with breakdown, hemoblastosis Lymphoproliferative disorders), systemic connective tissue diseases., vasculitis, hepatitis	Literature review	5	OS	4	Main 1,2,3,4	2- wee k
Differential diagnosis of primary and secondary hypothyroidism	PPT presentation	5	T	4	Main 1,2,3,4 Add 1,2	3- wee k
Acute Posthemorrhagic Anemia	PPT presentation	5	OS	4	Main 1,2,3,4 Add 1,2	3- wee k
Thalassemia. Sickle cell anemia	Medical sheet	5	T	4	Main 1,2,3,4 Add 1,2	3- wee k
<b>Module 1</b>				<b>4 points</b>		
Lymphogranulomatosis	Assignment	5	OS	4	Main 1,2,3,4 Add 1,2	5- wee k
Cytotoxic drug-induced drug disease. Radiation syndrome( Acute and chronic)	Video presentation	5	T	4	Main 1,2,3,4	5- wee k
Differential diagnosis of articular syndrome	Creative work	5	OS	4	Main 1,2,3,4 Add 2	6- wee k
Systemic vasculitis: Kawasaki disease, Eosinophilic Granulomatosis With Polyangiitis (Churg-Strauss Syndrome) Microscopic Polyangiitis, IgA associated vasculitis (Henoch- Schönlein, Cryoglobulinemic Vasculitis, Buerger's Disease, Behcet's disease.	Medical sheet	5	T	4	Main 1,2,3,4 Add 2,3	6- wee k
Leukemoid Reaction	Assignment	5	OS	4	Main 1,2,3,4 Add 1,2	7- wee k
Differential diagnosis and treatment of post-gastrectomy syndrome and biliary tract diseases (Biliary Dyskinesia: Post- Cholecystectomy Syndrome)	Video presentation	5	T	4	Main 3,4 Add 2	7- wee k
Differential diagnosis of systemic connective tissue diseases. Systemic lupus erythematosus.	Case history	5	OS	4	Main 3,4 Add 2	7- wee k

	Antiphospholipid syndrome.						
	<b>Module 2</b>				<b>4 points</b>		

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

№	Topic	Task for ISW	Hours	Assessment tools	Marks	Reference	Deadline
1	Differential diagnostics of intestinal diseases: antibiotic-associated diarrhea and pseudomembranous colitis, celiac disease, disaccharidase deficiencies. Irritable bowel syndrome.	Medical sheet	3	OS	4	Main 1,2,3,4 Add 2,3	September
2	Diseases accompanied by hepatomegaly and hepatosplenic syndrome. Steatohepatosis. Hepatitis (viral, toxic, including alcoholic, drug-induced, autoimmune. Storage diseases (hemochromatosis, amyloidosis, Wilson-Konovalov disease). Budd-Chiari syndrome.	Assignment	3	T	4	Main 1,2,3,4 Add 1,2	November
3	Bacterial cholangitis. Primary biliary cholangitis. Primary sclerosing cholangitis. Cholangiocarcinoma.	Video presentation	3	T	4	Main 1,2,3,4 Add 2,3	January
	Total		9		4 points		

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

№	Topic	Task for ISW	Hours	Assessment tools	Marks	Reference	Deadline
1	DIC syndrome. clinical features of internal diseases	T	3	T	4	Main 1,2,3,4 Add 1,2	October
2	Differential diagnosis of hyperglycemia and glucosuria syndrome	T	3	T	4	Main 1,2,3,4 Add 2,3	November
3	The differential diagnosis of thyrotoxicosis syndrome	T	3	T	4	Main 1,2,3,4 Add 2,3	December
			9		4 points		