

Khanty-Mansiysk Autonomous Okrug-Ugra
"Surgut State University"

“11 ” June 2025 , Record No. 5

Academic year (Term)	5 (5.9)		5 (5.A)		6 (6.B)		6 (6.C)		Total	
Weeks	19		21		19		21			
Types of classes	Cu r	Syl	Cur	Syl	Cur	Syl	Cur	Syl	Cur	Syl
Lecture	16	16	32	32	16	16	16	16	80	80
Practical	64	64	80	80	80	80	64	64	288	288
Including.	6	6	6	6	8	8			20	20
Classes	80	80	112	112	96	96	80	80	368	368
Contact	80	80	112	112	96	96	80	80	368	368
Self-study	28	28	32	32	48	48	37	37	145	145
Test work							27	27	27	27
Total	10 8	108	144	144	144	144	144	144	540	540

The Syllabus is compiled by:

Professor, Aryamkina O.L

Assistant Ashakaeva M.M.

The Syllabus

Hospital therapy, endocrinology

Developed in accordance with Federal State Educational
Standard:

Federal State Educational Standard of higher education in the specialty 31.05.01 General medicine (Order of the
Ministry of Education and Science of the Russian Federation on February 9, 2016 No. 95)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, “11 ” June 2025, Record No. 5

The Syllabus was approved by the department

Internal diseases

Head of Department, Doctor of Medicine, Professor Aryamkina O.L.

1. COURSE OBJECTIVES	
1.1	The objective of the course is to acquire scientific knowledge of etiology, pathogenesis, diagnosis of diseases of internal organs, skills in differential diagnosis, rational pharmacotherapy, and prevention of major diseases of internal organs and the formation of clinical thinking and professional competencies required in the professional activities of a doctor-therapist.

2. COURSE OVERVIEW	
Course code (in curriculum)	B1.B.36
2.1	Assumed background:
2.1.1	Microbiology, Virology
2.1.2	Pathophysiology
2.1.3	Pathological Anatomy
2.1.4	Clinical Pathophysiology
2.1.5	Propaedeutics of Internal Medicine, Radiology
2.1.6	Faculty Therapy, Occupational Diseases
2.1.7	Pharmacology
2.1.8	Biochemistry
2.1.9	Anatomy
2.1.10	Histology, Embryology, Cytology
2.1.11	Normal Physiology
2.1.12	Phthisiology (Tuberculosis Medicine)
2.1.13	Latin Language
2.2	Post-requisite courses and practice:
2.2.1	Clinical Pharmacology
2.2.2	Outpatient (Polyclinic) Therapy
2.2.3	Industrial Practice, Clinical Practice (Assistant Physician in an Outpatient Clinic)
2.2.4	Oncology, Radiation Therapy
3. COMPETENCIES UPON COMPLETION OF THE COURSE (MODULE)	
GCC-1: ability to abstract thinking, analysis, synthesis	
GPC-6: ability to maintain medical records	
PC-5: readiness to collect and analyze patient's complaints, his medical history, examination results, laboratory, instrumental, pathological and other studies in order to identify the condition or establish the presence or absence of the disease	
PC-6: ability to determine the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Problems Related to Health, X revision	
PC-8: ability to determine patient management tactics for various nosological forms	
PC-10: readiness to provide medical care for sudden acute diseases, conditions, exacerbation of chronic diseases that are not accompanied by a threat to the patient's life and do not require emergency medical care	

By the end of the course students must:

3.1	Know:
3.1.1	main pathological processes
3.1.2	rules of registration of medical documentation
3.1.3	basic signs of diseases of internal organs and endocrine system (their etiology, pathogenesis, clinical manifestations, criteria of pathological process activity, possible complications);

3.1.4.	modern clinical classifications and diagnostic criteria for the diagnosis of diseases of internal organs and endocrine system, principles of establishing the degree of activity, stage of the disease;
3.1.5.	the scope of diagnostic measures carried out in diseases of internal and endocrine organs in order to clarify the diagnosis;
3.1.6.	principles of differential diagnosis of the most common pathologies with clinically similar diseases;
3.1.7.	tactics of patient management in accordance with modern clinical recommendations and standards, including in case of sudden acute diseases, conditions, exacerbation of chronic diseases;
3.1.8.	principles of primary and secondary prevention of diseases of internal and endocrine organs;
3.2	Be able to:
3.2.1	determine the tactics of patient management depending on the clinical manifestations, severity and activity of the disease
3.2.2	interview the patient; draw up medical documentation (medical history)
3.2.3	conduct a clinical examination of the patient (inspection, palpation, percussion, auscultation);
3.2.4	draw up a programme of examination of the patient, taking into account the identified clinical syndromes;
3.2.5.	formulate a detailed clinical diagnosis, determine the activity and stage of the pathological process;
3.2.6.	make a differential diagnosis taking into account the available clinical syndromes with similar diseases.
3.2.7.	prescribe treatment to the patient taking into account knowledge of etiology, features of pathogenesis of the disease (etiological, pathogenetic treatment, basic and adjuvant therapy, symptomatic treatment);
3.2.8.	prevent possible complications of internal and endocrine organ diseases

4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE)						
Class Code	Topics/Class type	Term / Academic year	Academic hours	Competences	Literature	Notes
	Section 1. Respiratory diseases					
1.1	Emphysema. Chronic obstructive pulmonary disease (COPD). Pulmonary heart / Practice/	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. L 2.1. L 2.2. L 3.1. E2 E6 E7 E9	
	Section 2. Diseases of the cardiovascular system					
2.1	Myocarditis. Pericarditis / Practice/	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. L 2.1. L 2.2. L 3.1 E5 E6 E7 E9	
2.2	Myocarditis. Pericarditis / self-study/	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. L 2.1. L 3.1 E4 E5 E6 E9	
2.3	Cardiomyopathy: primary, secondary / Lec/	9	2	GCC-1, GPC-6, PC-5	L 1.1. E5 E6 E7 E9	
2.4	Cardiomyopathy: primary, secondary / Practice/	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. L 2.1. L 2.2. L 3.1 E5 E6 E7 E9	
2.5	Heart rhythm disorders (arrhythmias) / Practice/	9	8	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. L 2.1. L 2.2. L 3.1 E5 E6 E7 E9	

2.6	Heart rhythm disorders (arrhythmias) / self-study/	9	4	PC-5, PC-8	L 1.1. L 2.1. E5 E6 E7 E9	
2.7	Symptomatic arterial hypertension / Lec/	9	2	GCC-1, GPC-6, PC-5	L 1.1. L 2.1. E5 E6 E7 E9	
2.8	Myocarditis. Pericarditis /Lec/	9	2	PC-5, PC-6	L 1.1. E5 E6 E7 E9	
2.9	Heart rhythm disorders (arrhythmias) / Practice/	9	2	GCC-1, GPC-6, PC-5	L 1.1. E5 E6 E7 E9	
2.10	Symptomatic arterial hypertension /Lec/	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. L 2.1. L 3.1 E5 E6 E7 E9	
2.11	Congenital heart defects in adults /Lec/	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. L 2.1. L 2.2. L 3.1 E5 E6 E7 E9	
2.12	Symptomatic arterial hypertension /Practice/	9	2	GCC-1, PC-5, PC-6	L 1.1. E5 E6 E7 E9	
2.13	Conduction abnormalities /Practice/	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. L 2.1. L 2.2. L 3.1 E5 E6 E7 E9	
	Section 3. Rheumatological diseases					
3.1	Diffuse diseases of the connective tissue. Systemic lupus erythematosus. Systemic scleroderma. Dermatomyositis / lecture	9	2	GCC-1, GPC-6, PC-5	L 1.2 L 2.1. E4 E6 E7 E9	
3.2	Diffuse diseases of the connective tissue. Systemic lupus erythematosus. Systemic scleroderma. Dermatomyositis / practical classes	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. L 3.1 E4 E6 E7 E9	
3.3	Joint diseases. Rheumatoid arthritis. Gout. Osteoarthritis. Ankylosing Spondylitis / lecture	9	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E4 E6 E7 E9	
3.4	Joint diseases. Rheumatoid arthritis. Gout. Osteoarthritis. Ankylosing Spondylitis / practical classes	9	8	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. L 3.1 E4 E6 E7 E9	
3.4	Joint diseases. Rheumatoid arthritis. Gout. Osteoarthritis. Ankylosing Spondylitis / self-study	9	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. L 3.1 E4 E6 E7 E9	

3.5	Systemic vasculitis / lecture	9	2	GCC-1, GPC-6, PC-5	L 1.2. E4 E6 E7 E9	
3.6	Systemic vasculitis / practical classes	9	4	PC-6, PC-8, PC-10	L 1.2. L 2.1. L 2.2. L 3.1 E4 E6 E7 E9	
3.7	Systemic vasculitis / self-study	9	4	GCC-1, GPC-6, PC-5	L 1.2. L 2.1. L 3.1. E4 E5 E6 E9	
	Section 4. Urinary System diseases					
4.1	Nephrotic syndrome. Amyloidosis. Chronic pyelonephritis / self-study	9	2	GCC-1, GPC-6, PC-5, PC-6	L 1.2. E1 E6 E7 E9	
4.2	Nephrotic syndrome. Amyloidosis. Chronic pyelonephritis / practical classes	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. L 2.1. L 2.2. L 3.1 E1 E6 E7 E9	
4.3	Renal failure. Chronic kidney disease (CKD). Acute kidney damage (AKI) / lecture	9	2	GCC-1, GPC-6, PC-5	L 1.2. E6 E7 E9	
4.4	Renal failure. Chronic kidney disease (CKD). Acute kidney damage (AKI) / self-study	9	4	GCC-1, GPC-6, PC-5	. L 1.2 L 2.1. L 2.2. L 3.1 E1 E6 E7 E9	
4.5	Renal failure. Chronic kidney disease (CKD). Acute kidney damage (AKI) / practical classes	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. L 2.1. L 2.2. L 3.1 E1 E5 E6 E9	
	Section 5. Diseases of the gastrointestinal tract					
5.1	Inflammatory bowel disease. Ulcerative colitis. Crohn's disease / lecture	9	2	GCC-1, GPC-6, PC-6	L 1.2. E6 E7 E9	
5.2	Inflammatory bowel disease. Ulcerative colitis. Crohn's disease / practical classes	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. L 2.1. L 2.2. L 3.1 E6 E7 E9	
5.3	Inflammatory bowel disease/ Ulcerative colitis. Crohn's disease/ self-study	9	4	GCC-1, GPC-6, PC-5	L 1.2. E6 E7 E9	
5.4	Final lesion. / practical classes	9	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. L 2.1. L 2.2.	
5.5	Control work	9		GCC-1, GPC- 6, PC-5, PC- 6, PC-8, PC- 10		control work

	Section 6. Hematology diseases					
6.1	Anemia / practical classes	10	8	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.2	Anemia / lecture	10	4	GCC-1, GPC-6, PC-5	L 1.2. E3 E6 E7 E9	
6.3	Hemoblastosis: acute leukemia / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.4	Hemoblastosis: chronic leukemia/ lecture	10	2	GCC-1, GPC-6, PC-5	L 1.2. E3 E6 E7 E9	
6.5	Hemoblastosis: chronic leukemia / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.6	Hemorrhagic diathesis / lecture	10	2	GCC-1, GPC-6	L 1.2. E3 E6 E7 E9	
6.7	Hemorrhagic diathesis / self-study	10	4	PC-5, PC-6	L 1.2L 2.1. L 2.2.E3 E7 E9	
6.8	Hemorrhagic diathesis / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.9	Hemoblastosis: acute leukemia / lecture	10	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.10	The concept of paraproteinemic hemoblastosis. Myeloma / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.11	The concept of paraproteinemic hemoblastosis. Myeloma/ lecture	10	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.12	Lymphomas. Lymphogranulomatosis / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.. E3 E6 E7 E9	
6.13	Lymphomas. Lymphogranulomatosis / lecture	10	2	GCC-1, GPC-6, PC-	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.14	Lymphomas. Lymphogranulomatosis /self-study	10	4	GCC-1, GPC-6, PC-	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	
6.14	Anemia / self-study	10	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3 E6 E7 E9	

	Section 7. Endocrinological diseases					
7.1	Diabetes mellitus: etiology, pathogenesis, clinic, diagnosis / lecture	10	2	GCC-1, GPC-6, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.2	Diabetes mellitus: etiology, pathogenesis, clinic, diagnosis / self-study	10	6	GCC-1, GPC-6, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.3	Diabetes mellitus: etiology, pathogenesis, clinic, diagnosis / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.4	Diabetes treatment / lecture	10	2	GPC-6, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.5	Diabetes treatment / practical classes	10	8	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.6	Chronic complications of diabetes/ lecture	10	2	GCC-1, GPC-6, PC-5	L 1.3. E6 E7 E8 E9	
7.7	Chronic complications of diabetes / practical classes	10	8	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.8	Acute complications of diabetes / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.8	Acute complications of diabetes / practical classes	10	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.10	Issues of classification of thyroid diseases. Thyrotoxicosis syndrome (diffuse toxic goiter, toxic adenoma, multinodular toxic goiter) / lecture	10	2	GCC-1, GPC-6, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.11	Issues of classification of thyroid diseases. Thyrotoxicosis syndrome (diffuse toxic goiter, toxic adenoma, multinodular toxic goiter) / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.12	Euthyroid goiter. Autoimmune thyroiditis. Hypothyroidism. / lecture	10	2	GCC-1, GPC-6, PC-5	L 1.3. E6 E7 E8 E9	
7.13	Euthyroid goiter. Autoimmune thyroiditis. Hypothyroidism. / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	

7.14	Euthyroid goiter. Autoimmune thyroiditis. Hypothyroidism. / self-study	10	4	GPC-6, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.15	Hypercorticism: Disease and Itsenko-Cushing syndrome classification; etiology, pathogenesis, clinic, diagnostics (laboratory and nosological), treatment / lecture	10	2	GCC-1, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.16	Hypercorticism: Disease and Itsenko-Cushing syndrome classification; etiology, pathogenesis, clinic, diagnostics (laboratory and nosological), treatment / self-study	10	4	GPC-6, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.17	Hypercorticism: Disease and Itsenko-Cushing syndrome classification; etiology, pathogenesis, clinic, diagnostics (laboratory and nosological), treatment / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.18	Hypocorticism: chronic adrenal insufficiency; acute adrenal insufficiency. Pheochromocytoma. Adrenal incidence of breakthroughs / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.19	Hypocorticism: chronic adrenal insufficiency; acute adrenal insufficiency. Pheochromocytoma. Adrenal incidence of breakthroughs / lecture	10	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.20	Diseases of the hypothalamic-pituitary system: pituitary nanism; acromegaly and gigantism, diabetes insipidus/lecture	10	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.21	Diseases of the hypothalamic-pituitary system: pituitary nanism; acromegaly and gigantism, diabetes insipidus / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
7.22	Diseases of the hypothalamic-pituitary system: pituitary nanism; acromegaly and gigantism, diabetes insipidus / self-study	10	4	GCC-1, GPC-6, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.23	Fatness. Etiology. Pathogenesis. Clinic. Treatment / practical classes	10	4	GCC-1, GPC-6, PC-5, PC-6	L 1.3. E6 E7 E8 E9	
7.24	Final lesson / practical classes			GCC-1, GPC-6, PC-5, PC-6		

7.25	Control work history of the disease			GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10		control work
7.26	Credit	10	0	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10		Credit

	Section 8. Pulmonology					
8.1	Differential diagnosis and treatment guidelines for broncho-obstructive syndrome / lecture	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. E2 E6 E7 E9	
8.2	Differential diagnosis and treatment guidelines for broncho-obstructive syndrome / practical classes	11	12	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2. E2 E6 E7 E9	
8.3	Differential diagnosis and treatment guidelines for broncho-obstructive syndrome / self-study	11	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. E2 E6 E7 E9	
8.4	Differential diagnostics and treatment of pulmonary embolism / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2. E2 E5 E6 E7 E9	
8.5	Differential diagnostics and treatment of pulmonary embolism / self-study	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2. E2 E5 E6 E7 E9	
8.6	Differential diagnostics and treatment of focal lung diseases / lecture	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. E2 E6 E7 E9	
8.7	Differential diagnostics and treatment of focal lung diseases / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2. E2 E6 E7 E9	
8.8	Differential diagnostics and treatment of focal lung diseases / self-study	11	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2. E2 E6 E7 E9	
	Section 9. Cardiology					
9.1	Differential diagnostics of heart failure / lecture	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. E5 E6 E7 E9	

9.2	Differential diagnostics of hypertension / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2.E5 E6 E7 E9	
9.3	Differential diagnostics of heart failure / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2.E5 E6 E7 E9	
9.4	Differential diagnostics of heart failure / self-study	11	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2.E5 E6 E7 E9	
9.5	Differential diagnostics of chest pains: features of coronary and noncoronary pains / lecture	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. E5 E6 E7 E9	
9.6	Differential diagnostics of chest pains: features of coronary and noncoronary pains / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2. E5 E6 E7 E9	
9.7	Differential diagnostics of chest pains: features of coronary and noncoronary pains. / self-study	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2.E5 E6 E7 E9	
9.8	Differential diagnostics of cardiac arrhythmias and conduction disorders / lecture	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1. E5 E6 E7 E9	
9.9	Differential diagnostics of cardiac arrhythmias and conduction disorders / practical classes	11	12	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2.E5 E6 E7 E9	
9.10	Differential diagnostics of cardiac arrhythmias and conduction disorders / self-study	11	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2.E5 E6 E7 E9	
9.11	Differential diagnostics of myocardial diseases: myocarditis, primary and secondary cardiomyopathy / lecture	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E5 E6 E7 E9	
9.12	Differential diagnostics of myocardial diseases: myocarditis, primary and secondary cardiomyopathy / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2.E5 E6 E7 E9	
	Differential diagnostics of myocardial diseases: myocarditis, primary and secondary cardiomyopathy/ self-study	11	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.1 L 2.1. L 2.2.E5 E6 E7 E9	
	Section 10. Nephrology					
10.1	Differential diagnosis of kidney damage syndromes / lecture	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E1 E4 E5 E6 E7 E8 E9	

10.2	Differential diagnosis of kidney damage syndromes / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E1 E4 E5 E6 E7 E8 E9	
10.3	Differential diagnostics and treatment of edema syndrome / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E1 E5 E6 E7 E9	
10.4	Differential diagnostics and treatment of edema syndrome / self-study	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E1 E5 E6 E7 E9	
10.5	Differential diagnostics and treatment of renal failure / practical classes	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E1 E6 E7 E9	
10.6	Differential diagnostics and treatment of renal failure / self-study	11	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E1 E6 E7 E9	
	Section 11. Related sections					
11.1	Features of the course and treatment of visceral diseases in special groups of patients (pregnant, elderly) / lecture	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E1 E2 E3 E4 E5 E6 E7 E8 E9	
11.2	Features of the course and treatment of visceral diseases in special groups of patients (pregnant, elderly) / practical classes	11	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E1 E2 E3 E4 E5 E6 E7 E8 E9	
11.3	Features of the course and treatment of visceral diseases in special groups of patients (pregnant, elderly) / self-study	11	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E5 E6 E7 E9	
11.4	Control work	11		GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E1 E2 E3 E4 E5 E6 E7 E8 E9	control work
	Section 12. Gastroenterology					
12.1	Differential diagnostics of hepatomegaly and hepatolienal syndrome. / lecture	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 E6 E7 E9 E10	
12.2	Differential diagnostics of hepatomegaly and hepatolienal syndrome / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E6 E7 E9 E10	

12.3	Differential diagnostics of hepatomegaly and hepatolienal syndrome / self-study	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E6 E7 E9 E10	
12.4	Differential diagnostics of the syndrome of esophageal, gastric and intestinal dyspepsia / lecture	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E6 E7 E9 E10	
12.5	Differential diagnostics of the syndrome of esophageal, gastric and intestinal dyspepsia / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E6 E7 E9 E10	
12.6	Differential diagnostics of the syndrome of esophageal, gastric and intestinal dyspepsia / self-study	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E6 E7 E9 E10	
12.7	Differential diagnostics and treatment of abdominal pain / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E6 E7 E9 E10	
12.8	Differential diagnostics and treatment of abdominal pain / self-study	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E6 E7 E9 E10	
	Section 13. Hematology					
13.1	Differential diagnostics of lymphadenopathy and splenomegaly / lecture	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E3 E6	
13.2	Differential diagnostics of lymphadenopathy and splenomegaly / self-study	12	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E3 E6	
13.3	Differential diagnostics and treatment of diseases manifested by hemorrhagic syndrome / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2.E3	
13.4	Differential diagnostics and treatment of diseases manifested by hemorrhagic syndrome / self-study	12	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3	
13.5	Differential diagnostics and treatment of hemoblastosis / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3	
13.6	Differential diagnostics and treatment of hemoblastosis / self-study	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E3	

13.7	Diagnostics, treatment and prevention of thrombosis / lecture	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E3 E5 E6 E7 E9	
13.8	Diagnostics, treatment and prevention of thrombosis / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. L 2.1. L 2.2. E3 E5 E6 E7 E9	
13.9	Diagnostics, treatment and prevention of thrombosis / self-study	12	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E3 E5 E6 E7 E9	
	Section 14. Endocrinology					
14.1	Differential diagnostics of diseases manifested by hypothyroidism and thyrotoxicosis / lecture	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
14.2	Differential diagnostics of diseases manifested by hypothyroidism and thyrotoxicosis / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
14.3	Differential diagnostics of diseases manifested by hypothyroidism and thyrotoxicosis / self-study	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
14.4	Differential diagnosis of hyperglycemia and glycosuria / lecture	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
14.5	Differential diagnosis of hyperglycemia and glycosuria / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.3. E6 E7 E8 E9	
14.6	Differential diagnosis of hyperglycemia and glycosuria / self-study	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10		
	Section 15. Rheumatology					
15.1	Differential diagnostics of joint damage / lecture	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E4 E6 E7 E9	
15.2	Differential diagnostics of joint damage / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. L 2.1. L 2.2. E4 E6 E7 E9	
15.3	Differential diagnostics of joint damage / self-study	12	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. L 2.1. L 2.2. E4 E6 E7 E9	

15.4	Differential diagnostics and treatment of systemic connective tissue diseases / practical classes	12	6	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E4 E6 E7 E9	
15.5	Differential diagnostics and treatment of systemic connective tissue diseases / self-study	12	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E4 E6 E7 E9	
	Section 16. Related sections					
16.1	Differential diagnostics of fever / lecture	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2. E6 E7 E9	
16.2	Differential diagnostics of fever / practical classes	12	4	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E6 E7 E9	
16.3	Differential diagnostics of fever / self-study	12	3	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E6 E7 E9	
16.4	Paraneoplastic syndromes in the clinic of internal diseases / self-study	12	2	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E1 E3 E4 E6 E7 E8 E9	
16.5	control work	12		GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10	L 1.2 L 2.1. L 2.2. E1 E2 E3 E4 E5 E6 E7 E8 E9	control work
	Exam	12	27	GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10		oral quiz, case-study

5. ASSESSMENT TOOLS				
5.1. Tests and tasks				
Presented by a single document				
5.2. Topics for written papers				
Presented by a single document				
6. COURSE (MODULE) RESOURCES				
6.1. Recommended Literature				
6.1.1. Core				
	Authors	Title	Publish., year	Quantity
L 1.1.	Martynov A.I. ; Kobalava Z.D. ; Moiseev S.V.	Internal diseases/ Volume 1	Moscow: GEOTAR-Media, 2022. – 688 pp. Electronic resource	1

L 1.2.	Martynov A.I. ; Kobalava Z.D. ; Moiseev S.V.	Internal diseases/ Volume 2	Moscow: GEOTAR-Media, 2022. – 616 pp. Electronic resource	1
L 1.3	Dedov I.I. ; Melnichenko G.A. ; Fadeev V.V.	Endocrinology	Moscow: Litera, 2015. – 416 pp. Electronic resource	1
6.1.2. Supplementary				
	Authors	Title	Publish., year	Quantity
L 2.1	Arkhipov. V., Baleeva L. V. etc.	Patient management tactics in therapy : a practical guide	Moscow : GEOTAR-Media, 2023-306, [1] p. Electronic resource	1
L 2.2	Shavarova E.K., Efremovtseva, M.A., Troitskaya E.A. and etc.	Clinical Cases in Internal Diseases Specialty	Moscow: Peoples' Friendship University of Russia, 2018. - 92 pp. Electronic resource	1
6.1.3. Methodical development				
	Authors	Title	Publish., year	Quantity
L 3.1	Kushnikova I.P.	Situational tasks for internal diseases : methodological recommendations	Surgut, 2023 Electronic resource	1
6.2. Internet resources				
E1	Kidney Disease: Improving Global Outcomes - https://kdigo.org/			
E2	European Respiratory Society - https://www.ersnet.org/			
E3	The European Hematology Association - https://ehaweb.org/			
E4	Research Institute named after V.A. Nasonov - https://rheumatolog.su/			
E5	European Society of Cardiology - https://www.escardio.org/			
E6	Journal "Consilium medicum" - https://consilium.orscience.ru/en/			
E7	FreeMedicalJournals - http://www.freemedicaljournals.com/			
E8	ENDOCRINOLOGICAL SCIENTIFIC CENTER OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION - https://www.endocrincentr.ru			
E9	Educational Resource for Doctors Dia Academy - https://diaacademy.co.uk/			
E10	United European Gastroenterology - https://ueg.eu/			
6.3.1 Software				
6.3.1.1	Operational System Microsoft, applied programs pack Microsoft Office			
6.3.1.2	Internet access (Wi-Fi)			
6.3.2 Information Referral systems				
6.3.2.1	E-data bases: http://www.garant.ru , http://www.consultant.ru/			
6.3.2.2	Student Consultant http://www.studmedlib.ru			
7. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE (MODULE)				
7.1	Classrooms for lecture classes, practical classes, group and individual consultations, current control and interim examination are equipped with: typical educational furniture, technical teaching aids, employees for the presentation of educational information			
7.2	Practical classes, individual consultations, current control and interim control are held in the classroom of the Department of Internal Diseases of the MI based on SOKB platform			
7.3	Simulation and training accreditation center MI SurSU			
7.4	The room of the simulation center MI, is equipped with phantom and simulation equipment, laboratory tools and consumables in sufficient quantity			
7.5	Multimedia Projector			
7.6	Library of laboratory and instrumental research results			

7.7	Roles for standardized patients
7.8	Library of case-studies
7.9	Clinical Script Library
7.10	Evaluation library
7.11	The classroom for lectures is equipped with: multimedia projector, screen, laptop, stationary educational blackboard, typical educational furniture: tables, chairs.
7.12	Classrooms have a material and technical equipment that provides for all types of disciplinary and interdisciplinary training, practical and research work of students as stated in the work program, and complies with current sanitary and fire regulations and standards.