

Документ подписан простой электронной подписью
 Информация о владельце:
 ФИО: Косенок Сергей Михайлович
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Khanty-Mansiysk Autonomous Okrug-Ugra
 "Surgut State University"

Approved by
 Deputy Rector for Academic Aff:

_____ E.V. Konovalova

“ 13 ” June 2021, Record No.5

Faculty therapy

Syllabus

Department	Internal diseases
Curriculum	s310501-ЛечДелоИн-21-1.pli.xml Specialty 31.05.01 General Medicine
Qualification	General Practitioner
Form of education	Full-time
Total (in credits)	7

Total academic hours	216
including:	
Classes	112
Self-study	45
Control	27

Control:
 Credit 7th term
 Exam, 8th term

— Course outline in terms

Academic year (Term)	4 (4.7)		4 (4.8)		Total	
	Weeks		Weeks			
	16		12			
Types of classes	Cur	Syl	Cur	Syl	Cur	Syl
Lectures	16	16	16	16	32	32
Practical	64	64	48	48	112	112
Self-study	28	28	17	17	45	45
Control hours			27	27	27	27
Total	108	108	108	108	216	216

The Syllabus is compiled by:

PhD in Medical Sciences (Medicine), Associate Professor, Shuvalova O.I. _____

The Syllabus

Faculty therapy

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 12.08.2020 No. 988)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, "13" June 2024, Record No.5

The Syllabus was approved by the department

Internal diseases

23.04.2024, Record No. 11

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

1. COURSE OBJECTIVES	
1.1	<p>The aim of the course is to acquire scientific knowledge about the etiology, pathogenesis, diagnosis, rational pharmacotherapy, rehabilitation, and prevention of major diseases of internal organs.</p> <p>The objectives are:</p> <ul style="list-style-type: none"> - to prepare for the state final certification, - to form professional competencies required in the framework of the professional activity of the general practitioner; - to conduct therapeutic and preventive activities under the supervision of a general practitioner; - to prepare students to postgraduate education programs.

2. COURSE OVERVIEW	
Course code (in curriculum)	Б1.Б.35
2.1 Assumed background:	
	Anatomy
	Chemistry
	Biology
	Internal Diseases Propaedeutics, X-Ray Diagnostics
	Hominal physiology
	Biochemistry
	Pharmacology
	Microbiology, Virology
	Histology, embryology, cytology
	Clinical pathophysiology
	Clinical pathological anatomy
	Pathological anatomy
	Pathophysiology
2.2 Post-requisite courses and practice:	
	Functional diagnostics
	Hospital Therapy, Endocrinology
	Hospital surgery, Paediatric surgery
	Ambulatory Therapy
	Anesthesiology, resuscitation, intensive care
	Clinical pharmacology
	Disaster Medicine
	Medical rehabilitation
	Oncology, X-Ray Therapy

3. COMPETENCES UPON COMPLETION OF THE COURSE (MODULE)	
	PC-1.1: Demonstrates knowledge in etiology, pathogenesis, diagnostic criteria (clinical - subjective, physical, laboratory, instrumental, identifies the patient's common pathological conditions, symptoms, disease syndromes and diagnoses nosological forms according to the International Statistical Classification of Diseases and Related Health Problems, X - XI revisions
	PC-1.2: Carries out diagnostics, evaluates the prognosis (short-, medium- and long-term course) of the disease, identifies acute complications and complications of chronic diseases
	PC-3.1: Examines the patient (handle the patient's complaints, anamnesis, physical data based on the examination results, determines the necessary examination plan, evaluates the parameters of laboratory, instrumental, pathological and anatomical and other methods in order to diagnose diseases, assesses the prognosis (short-, medium-, long-term) of its course and outcomes
	PC-3.2: Makes an initial and clinical diagnosis in accordance with the International Statistical Classification of Diseases and Health Problems X - XI revisions and current clinical classifications
	PC-3.3: Carries out early and differential diagnostics of diseases

PC-3.4: Provides routing and management of patients based on the current legislation (standards, procedures for the provision of medical care, Clinical guidelines)
PC-5.1: Demonstrates knowledge of the mechanisms and methods applied in pharmacotherapy, medical nutrition, medical devices and methods of non-drug treatment, palliative and personalized medical care
PC-5.2: Provides various categories of patients with outpatient treatment, treatment in hospitals and high-tech medical care (HMC) centers applying drugs, medical devices and medical nutrition, according to clinical pattern and current procedures, standards of medical care, Clinical guidelines (treatment protocols)
PC-5.4: Demonstrates knowledge of side effects of drugs, methods and duration of their use; assesses the effectiveness and safety of pharmacotherapy, medical nutrition and non-drug treatment, medical nutrition of palliative care.
PC-8.2: Keeps medical records, including the electronic format

As a result of mastering the discipline, the student must

3.1 Know:	
3.1.1	<ul style="list-style-type: none"> - Significant problems and processes - main pathological symptoms, clinical and laboratory syndromes; - the features of collecting anamnesis from patients with therapeutical profile; - basic and additional methods of patient's examination (in accordance with ICD). - clinical symptoms and pathogenesis of major diseases, their prevention, diagnosing and treating; - clinical symptoms of borderline states; - principles of the non-drug and medication therapy, physiotherapy, physical therapy and medical monitoring; - indications for surgical treatment of somatic pathology; - basics of rational diet therapy; - modern methods of clinical and laboratory diagnosing and treating in accordance with the standards and clinical protocols. - principles of differential diagnosis of the most common pathologies; - principles of treating and preventing diseases; - side effects of drugs; - the emergency therapeutic care in the life-threatening conditions; - indications for hospitalization of patients. - the basic principles of treating patients with different nosologies.
3.2 Be able to:	
3.2.1	<ul style="list-style-type: none"> - conduct a survey, physical and clinical examination; - interpret the results of laboratory and instrumental examination. - interpret the results of laboratory and instrumental methods of research; - give a diagnosis according to the ICD based on the data from the main and additional researches; - conduct basic and additional researches to clarify the diagnosis; - use normative documents in medical practice. - outline the program of patient's examination; - formulate a detailed clinical diagnosis based on the data obtained during the examination; - determine the activity and the stage of the pathological process; - assign treatment to the patient, taking into account knowledge of the etiology and the features of the disease pathogenesis (etiological, pathogenetic treatment, basic and additional therapy, symptomatic treatment); - develop specific measures for the secondary prevention and rehabilitation therapy of the supervised patient; - keep medical records; - predict the necessity for the medications. - treat patients with different nosologies.

4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE)

Class Code	Topics/Class type	Term / Academic year	Academic hours	Competences	Literature	Interactive	Notes
	Section 1. General part	7					
1.1	Examination of the patients / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		

1.2	Examination of the patients / self-study/	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
	Section 2. Respiratory diseases	7					
2.1	Pneumonia /lecture	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.2	Pneumonia / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.3	Pneumonia / self-study	7	2		L 1.1 L 2.1		
2.4	Bronchitis. Bronchiectatic disease / lecture	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.5	Bronchitis. Bronchiectatic disease / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.6	Bronchitis. Bronchiectatic disease / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.7	Bronchial asthma / lecture	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.8	Bronchial asthma / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.9	Bronchial asthma / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.10	Chronic obstructive pulmonary disease (COPD) / practical classes	7	5	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.11	Chronic obstructive pulmonary disease (COPD) / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		

2.12	Acute pulmonary abscess. Necrotizing pneumonia. Lung cancer / practical classes	7	5	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
2.13	Acute pulmonary abscess. Necrotizing pneumonia. Lung cancer / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
Section 3. Diseases of the cardiovascular system							
3.1	Atherosclerosis / lecture	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.2	Atherosclerosis / practical classes	7	5	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.3	Atherosclerosis / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.4	Coronary artery disease. Angina pectoris / lecture	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.5	Coronary artery disease. Angina pectoris / practical classes	7	5	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.6	Coronary artery disease. Angina pectoris / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.7	Essential hypertension / lecture	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.8	Essential hypertension / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.9	Essential hypertension / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.10	Acute coronary syndrome and myocardial infarction /lecture	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		

3.11	Acute coronary syndrome and myocardial infarction / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.12	Acute coronary syndrome and myocardial infarction / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.13	Infective endocarditis / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.14	Infective endocarditis / self-study/	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.15	Heart arrhythmia / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.16	Heart arrhythmia / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.17	Rheumatism. Acute rheumatic fever / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.18	Rheumatism. Acute rheumatic fever/ self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.19	Mitral and aortal defectes / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.20	Mitral and aortal defectes / self-study	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.21	Chronic heart failure / lecture	7	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
3.22	Chronic heart failure / practical classes	7	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		Control work

3.23	Credit	7	0	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		Credit
	TOTAL for the 7th semester		108				
	Section 4. Gastroenterology	8					
4.1	Examination of the patients / practical classes	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.2	Chronic diseases of oesophagus, stomach and duodenum. / lecture	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.3	Chronic diseases of oesophagus, stomach and duodenum. / practical classes	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.4	Chronic diseases of oesophagus, stomach and duodenum. / self-study	8	1	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.5	Gastric and duodenum ulcer / lecture /	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.6	Gastric and duodenum ulcer / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.7	Chronic enteritis and colitis. Functional disorders of the colon. Colon cancer / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.8	Chronic enteritis and colitis. Functional disorders of the colon. Colon cancer / self-study	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.9	Biliary dyskinesia. Chronic acalculous cholecystitis / lecture	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.10	Biliary dyskinesia. Chronic acalculous cholecystitis / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.11	Biliary dyskinesia. Chronic acalculous cholecystitis / self-study	8	4	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		

4.12	Chronic cholangitis. Choledocholithiasis. Pancreatitis / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
5.13	Chronic cholangitis. Choledocholithiasis. Pancreatitis / self-study	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
5.14	Chronic hepatitis. Gilbert disease / lecture	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.15	Chronic hepatitis. Gilbert disease / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.16	Chronic hepatitis. Gilbert disease / self-study	8	1	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.17	Cirrhosis and hepatic cancer / lecture	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.18	Cirrhosis and hepatic cancer / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.19	Cirrhosis and hepatic cancer / self-study	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.20	Human helminthosis. Opisthorchiasis / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
4.21	Human helminthosis. Opisthorchiasis / self-study	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
Section 5. Nephrology							
5.1	Acute and chronic glomerulonephritis. Chronic pyelonephritis / lecture	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
5.2	Acute and chronic glomerulonephritis. Chronic pyelonephritis / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		

5.3	Acute and chronic glomerulonephritis. Chronic pyelonephritis / self-study	8	1	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
5.4	Chronic kidney disease (CKD) / lecture	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
5.5	Chronic kidney disease (CKD) / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
5.6	Chronic kidney disease (CKD) / self-study	8	1	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
Section 6. Hematology							
6.1	Anemia. Iron deficiency anemia / lecture	8	2	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
6.2	Anemia. Iron deficiency anemia / practical classes	8	6	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		Control work
6.3	Iron deficiency anemia / self-study	8	1	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		
TOTAL for the 8th semester			81				
	Exam	8	27	PC-1.1 PC-1.2 PC-3.1 PC-3.2 PC-3.3 PC-3.4 PC-5.1 PC-5.2 PC-5.4 PC-8.2	L 1.1 L 2.1 L 3.1 E1 E2 E3 E4 E5 E6 E7		Oral quiz, case - study
TOTAL			216				

5. ASSESSMENT TOOLS

5.1. Tasks

Presented separately document

5.2. Topics for written papers

Presented separately document

6. COURSE (MODULE) RESOURCES

6.1. Recommended Literature

6.1.1. Core

	Authors	Title	Publish., year	Quantity
L 1.1	Ivashkin V.T., Okhlobystin A.V.	Internal diseases propedeutics [Электронный ресурс]	electronic resource	1

6.1.2. Supplementary				
	Authors	Title	Publish., year	Quantity
L 2.1	V. N. Oslopov, O. V. Bogoyavlenskaya, Yu. V. Oslopova et al	Case history of therapeutic patient [Электронный ресурс]: manual	Moscow: GEOTAR-Media, 2014, electronic resource.	1
6.1.3. Methodical development				
	Authors	Title	Publish.,	Quantity
L 3.1	Kharkevitch D. A.	Pharmacology: Textbook / Translation of Russian textbook, 12th edition, revised and improved.	Moscow: GEOTAR-Media, 2018, electronic resource	
6.2. Internet resources				
E1	Educational resource for doctors. Dia Academy			
E2	Endocrinological scientific center of the ministry of health of the Russian Federation			
E3	Medline			
E4	Free Medical Journals			
E5	European Society of Cardiology			
E6	Consilium medicum			
E7	Russian medical journal			
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 Referrals systems				
6.3.2.1	«Guarantor», «Consultant Plus», «Consultant-region »			
6.3.2.2	http://www.studmedlib.ru			
7. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE (MODULE)				
7.1	Classrooms for lectures, seminars (practical classes), group and individual consultations, formative and summative control are equipped with typical educational furniture, technical teaching aids for the presentation of educational information			
7.2	Practical classes, individual consultations, formative and summative control are held in the classroom of the Department of Internal Diseases of the Medical Institute.			
7.3	Simulation center			
7.4	The audience of the simulation center equipped with simulation equipment, laboratory tools and consumables in sufficient quantity			
7.5	Multimedia Projector			
7.6	Library of laboratory and instrumental research results			
7.7	Collection of roles for standardized patients			
7.8	Library of situational problems			
7.9	Clinical Script Library			
7.10	Evaluation library			
7.11	The classrooms for lectures are equipped with multimedia projectors, screen, and laptop, stationary educational board for chalk, tables, and chairs.			
7.12	Classrooms have a material and technical base that is necessary for all types of disciplinary and interdisciplinary training, practical and research work of the students, and also complies with current sanitary and fire regulations and standards.			