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 Информация о владельце:  
 ФИО: Косенок Сергей Михайлович  
 Должность: ректор  
 Дата подписания: 28.07.2025 08:40:59  
 Уникальный программный ключ:  
 e3a68f3eaa1e62674b54f4998099d3d6bfdcf836

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

Approved by  
 Deputy Rector for Academic Affairs

\_\_\_\_\_ E.V. Konovalova

June 11, 2025, Record No. 5.

## Internal Diseases Propaedeutics

### Syllabus

Department **Internal diseases**

Curriculum s310501-ЛечДело-ИН-25-3.pli.xml  
 Specialty 31.05.01 General

Qualification **General Practitioner**

Form of education **Full-time**

Total (in credits) **10**

Total academic hours 324  
 including:  
 Classes 240  
 Self-study 93  
 Control hours 27

Control:  
 Credit 5<sup>th</sup> terms  
 Exam 6<sup>th</sup> term

### Course outline in terms

Academic year (Term)	5 (3.1)		6 (3.2)		Total	
Weeks	18 2/6		16 4/6			
Types of classes	Cur	Syl	Cur	Syl	Cur	Syl
Lectures	16	16	16	16	32	32
Practical	68	68	72	72	140	140
Contact	84	84	88	88	172	172
Self-study	96	96	29	29	125	125
Control hours			27	27	27	27
Total	180	180	14	144	324	324

The Syllabus is compiled by:  
*PhD in Medical Sciences, Associate Professor, Rybalka O.O.*

The Syllabus

**Internal Diseases Propaedeutics**

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 August 12, 2020 No. 988)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

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

The Syllabus was approved by the department of

**Internal diseases**

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

1. COURSE OBJECTIVES	
<p>The <b>aim</b> of the course of Internal Diseases Propaedeutics is to study clinical research methods: survey, examination, palpation, percussion, auscultation of the patient; to study additional research methods (laboratory and instrumental), with subsequent interpretation of the obtained data; to master the skills of analyzing and synthesizing patient complaints, their anamnesis data, examination results, laboratory, instrumental, pathoanatomic and other studies in order to recognize the condition or establish the presence or absence of the disease and determine the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Health-related Problems, XI revision.</p>	

2. COURSE OVERVIEW	
Course Code (in curriculum)	<b>Б1.О.04</b>
<b>2.1 Assumed background:</b>	
2.1.1	Introduction to Speciality. Ethics and Deontology (Bioethics)
2.1.2	Professional Image
<b>2.2 Post-requisite courses and practice:</b>	
2.1.1	Pathologic Syndromes in Clinical Medicine
2.1.2	Faculty Therapy
2.1.3	Infectious Diseases
2.1.4	Outpatient Therapy
2.1.5	Obstetrics
2.1.6	Phthisiatry
2.1.7	Professional Practice, Physician Assistant
2.1.8	Hospital Therapy (5th year of education)
2.1.9	Hospital Therapy (6 <sup>th</sup> year of education)
3. COMPETENCES UPON COMPLETION OF THE COURSE (MODULE)	
<b>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</b>	
<b>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</b>	
<b>PC-2.1: Assesses the condition of a patient requiring emergency or urgent medical care, E950, including a state of clinical death</b>	
<b>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</b>	
<b>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</b>	
<b>PC-8.2: Keeps medical records, including the electronic format</b>	
<b>By the end of the course students must:</b>	
<b>3.1</b>	<b>Know:</b>
3.1.1	aetiology, pathogenesis, diagnostic criteria (clinical – subjective, physical, laboratory, instrumental);
3.1.2	methods for determining the patient's main pathological conditions, symptoms, disease syndromes ;
3.1.3	principles of diagnostics of the main nosological forms;
3.1.4	how to work in accordance with the International Statistical Classification of Diseases and Related Health Problems, X-XI revisions;
3.1.5	rules of examination of the patient (collection and analysis of patient complaints, data of his anamnesis, physical data) according to the results of the examination, appointment of the examination plan, parameters of laboratory, instrumental, pathologic-anatomical and other research methods for the diagnostics of diseases, prognosis (short -, medium -, long-term) of its course and outcomes;
3.1.6	principles of early and differential diagnostics of diseases;
3.1.7	rules for routing and managing patients on the basis of current legislation (standards, procedures for providing medical care, clinical recommendations);
<b>3.2</b>	<b>Be able to:</b>
3.2.1	determine the patient's main pathological conditions, symptoms, syndromes of diseases;
3.2.2	perform differential diagnostics, evaluate the prognosis (short -, medium - and long-term) of the course of the disease, identify acute complications and complications of chronic diseases;
3.2.3	assess the condition of a patient requiring medical care in urgent or emergency forms, to diagnose a condition that poses a threat to the patient's life, including a state of clinical death;

3.2.4	conduct an examination of the patient (collection and analysis of patient complaints, his anamnesis data, physical data), based on the results of the examination, determine the necessary examination plan, evaluate the parameters of laboratory, instrumental, pathologic-anatomical and other research methods for the diagnosis of diseases, assess the prognosis (short -, medium -, long-term) of its course and outcomes;
3.2.5	formulate a preliminary and clinical diagnosis in accordance with the International Statistical Classification of Diseases and Related Health Problems X-XI revisions and current clinical classifications;
3.2.6	carry out early and differential diagnosis of diseases;
3.2.7.	provide treatment to various categories of patients with diseases in outpatient settings, in hospitals and centres of high-tech medical care (VMP) with the use of medicines, medical devices and therapeutic nutrition, taking into account the clinical picture, in accordance with current procedures, standards of medical care, clinical recommendations (treatment protocols);
3.2.8	maintain medical records, including in electronic form;

#### 4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE)

Class Code	Topic /Class type	Term/Academic	Academic hours	Competences	Literature	Interactive	Notes
	<b>Section 1. Clinical methods of examination of patients. Methods of research in diseases of the respiratory system and cardiovascular system.</b>						
1.1	The subject and tasks of Internal Diseases Propaedeutics. Methodology of diagnostics. Survey of patients with respiratory diseases. The main complaints in the pathology of the respiratory organs, their diagnostic significance. /Lec/	5	2	PC-1.1 PC-3.1 PC- 8.2	L1.1 L2.1 L3.1 L3.2	0	
1.2	Clinical methods of examination. The scheme of the medical history. General examination. Examination rules. The importance of an examination in the clinic of internal diseases. Survey of patients with respiratory diseases. Characteristics of shortness of breath, cough, chest pains. /Pr/	5	4	PC-1.1 PC-3.1 PC- 8.2	L1.1 L2.1 L3.1 L3.2 ∅1	0	
1.3	The scheme of the medical history. General examination. Survey of patients with respiratory diseases. The main complaints in the pathology of the respiratory organs, their diagnostic significance. /Self-study/	5	6	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.4	Examination of the chest. Pathological forms of the chest. Palpation of the chest. Surface orientation palpation, elasticity check, determination of vocal tremor. /Pr/	5	4	PC-1.1 PC-3.1 PC- 2.1	L1.1 L2.1 L3.1 L3.2	0	
1.5	Topographic percussion of the lungs. General rules and technique of percussion. Borders of the lungs, mobility of the lower pulmonary edge. Comparative percussion of the lungs. General rules and technique of percussion. Variants of change in percussion sound /Pr/	5	4	PC- 3.1 PC- 8.2	L1.1 L2.1 L3.1 L3.2	0	
1.6	Topographic percussion of the lungs. Comparative percussion of the lungs. General rules and techniques of percussion. /Self-study/	5	6	PC-1.1 PC-3.1	L1.1 L2.1 L3.1 L3.2	0	
1.7	Main syndromes in respiratory diseases, interpretation of auscultation data. /Lec./	5	2	PC-1.1 PC-3.1	L1.1 L2.1 L3.1 L3.2 ∅1	0	
1.8	Algorithm and rules of auscultation.  Variants of changes in the main respiratory sounds. Respiratory sounds in pathology, mechanism of formation, differential differences. /Pr/	5	4	PC-1.1 PC-3.1	L1.1 L2.1 L3.1 L3.2	0	

1.9	Auscultation of the lungs. Main and additional respiratory noises, mechanisms of their formation. /Self-study/	5	8	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.10	Laboratory and instrumental methods of respiratory examination. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.11	Clinical syndromes of respiratory diseases. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.12	Survey, examination of patients with pathology of CVS. Palpation, percussion of the heart. /Lec/	5	2	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.13	Survey, examination of patients with the pathology of the CCC. Complaints of patients with diseases of the cardiovascular system: pain in the heart, shortness of breath, suffocation, palpitations, heart failure, etc. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2 ∅1	0	
1.14	Survey, examination of patients with pathology of CVS. Palpation of the heart. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.15	Rules, diagnostic value of percussion in determining the boundaries of relative and absolute dullness of the heart. The diameter of the heart. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2		
1.16	Auscultation of the heart and blood vessels. The noise, the mechanisms of their formation. /Lec/	5	2	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.17	Auscultation of the heart and blood vessels. The noise, the mechanisms of their formation. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.18	Rules, diagnostic value of palpation and percussion of the heart area. /Self-study/	5	8	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.19	Additional methods of diagnostics of CVD. Functional load tests. ECG - research methodology. The plan of decoding of ECG. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.20	Additional methods of diagnostics of CVD. Functional load tests. ECG - research methodology. The plan of decoding of ECG. /Self-study/	5	8	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
1.21	Clinical syndromes of cardiovascular diseases. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2 ∅1	0	

1.22	Clinical syndromes of cardiovascular diseases. /Self-study/	5	8	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
	Section 2. Clinical methods of examination of patients. Methods of research in diseases of the gastrointestinal tract, urinary organs, endocrine system and hematopoietic						
2.1	Survey, examination of patients with diseases of the digestive system. Abdominal percussion. Abdominal palpation. /Lec/	5	2	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.2	Survey, examination of patients with diseases of the digestive system. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.3	Abdominal percussion. Abdominal palpation/Self- study/	5	10	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.4	Survey, examination of patients with diseases of the digestive system. Abdominal percussion. Abdominal palpation. /Self-study/	5	10	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.5	Survey and examination of patients with diseases of the liver and biliary tract. /Lec/	5	2	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.6	Liver and spleen percussion and palpation technique. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.7	Liver and spleen percussion and palpation technique/Self-study/	5	10	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.8	The main syndromes of diseases of the gastrointestinal tract. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2 ⊗1	0	
2.9	Survey, examination of patients with diseases of the genitourinary tract. Syndromes of renal disease /Lec/	5	2	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2 ⊗1	0	
2.10	Survey, examination of patients with diseases of the genitourinary tract. Syndromes of renal disease. /Pr/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2 ⊗1	0	
2.11	Laboratory and instrumental methods of urination organs./Lec/	5	2	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.12	Additional methods of examination of the genitourinary organs. Syndromes of renal disease /Self-study/	5	10	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2 ⊗1	0	
2.13	Examination of patients with diseases of blood. /Self-study/	5	6	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.14	Examination of patients with diseases of the endocrine organs. Patient complaints. /Self-study/	5	6	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	
2.15	/Credit/	5	4	PC-1.1 PC- 3.1	L1.1 L2.1 L3.1 L3.2	0	Test
	<b>Section 3. Respiratory, cardiovascular diseases</b>						

3.1	Bronchitis, bronchial asthma: syndromic diagnosis. /Lec/	6	2	PC-1.1 PC-3.1	L1.1 L2.1 L3.1 L3.2	0	
3.2	Bronchitis, bronchial asthma: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.3	Chronic obstructive pulmonary disease: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.4	Acute and chronic bronchitis. Chronic obstructive pulmonary disease. Pneumonias. Bronchial asthma: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods./Self-study/	6	6	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.5	Hypertensive disease, Coronary heart disease, Chronic heart failure: syndromic diagnosis. /Lec/	6	2	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.6	Pneumonia: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.7	Bronchial asthma. Emphysema lungs .. Features of data of laboratory and instrumental research. Treatment principles /Self-study/	6	2	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.8	Hypertensive disease: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.9	Coronary heart disease: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods. /Pr/	6	8	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.10	Laboratory and instrumental methods for studying the cardiovascular system/Lec/	6	2	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.11	ECG. Disorders of rhythm and conduction. / Pr/	6	8	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.12	ECG. Disorders of rhythm and conduction. /Self-study/	6	7	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.13	Chronic heart failure: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.14	Chronic rheumatic heart disease (mitral valve defects): etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
3.15	Infective endocarditis. Aortic valve defects /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
	<b>Section 4. Diseases of the alimentary system, genitourinary system, metabolism and endocrine organs, hematopoietic organs.</b>						

4.1	Diseases of the stomach and intestines. Gastritis, gastric ulcer. Chronic enteritis and colitis. Basic syndromes/Lec/	6	2	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.2	Esophagitis, Gastritis: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.3	Enteritis. Diseases of the large intestine Syndromes of maldigestion and malabsorption. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.4	Diseases of the pancreas and biliary tract. Chronic pancreatitis, cholecystitis. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.5	Liver diseases. Chronic hepatitis. Cirrhosis of the liver/Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.6	Diseases of the biliary tract. /Lec/	6	2	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.7	Renal disease. Glomerulonephritis. Pyelonephritis. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.8	Anemias: etiology, pathogenesis, syndromic diagnosis, data of laboratory and instrumental research methods /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.9	Liver diseases. Chronic hepatitis. Cirrhosis of the liver/Self-study/	6	14	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.10	Renal disease. Glomerulonephritis. Pyelonephritis. /Lec/	6	2	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.11	Diseases of metabolism and endocrine organs. /Pr/	6	4	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.12	Diseases of metabolism and endocrine organs. Diabetes Mellitus. Diseases of the thyroid gland. /Lec/	6	2	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.13	Anemias. Acute and chronic leukaemia. /Lec/	6	2	PC-1.1 PC-3.1 PC-3.2	L1.1 L2.1 L3.1 L3.2	0	
4.14	/Exam/	6	27	PC-1.1 PC-3.1 PC-3.2 PC- 8.2	L1.1 L2.1 L3.1 L3.2	0	Exam.

## 5. ASSESSMENT TOOLS

### 5.1. Assessment tools for midterm assessment

Presented by a single document

### 5.2. Assessment tools for diagnostic testing

Presented by a single document

## 6. COURSE (MODULE) RESOURCES

### 6.1. Recommended literature

#### 6.1.1. Core



	Authors	Title	Publisher, year	Quantity
L1.1	Ivashkin V.T., Okhlobystin A.V.	Internal diseases propaedeutics	Moscow: GEOTAR- Media, 2020. - 176 p. Access: electronic resource	1

#### 6.1.2. Supplementary

	Authors	Title	Publish., year	Quantity
L2.1	Nyrsultanova S. D., Bekov E. K., Mirzo E. I., Appasova E. S.	The scheme of medical history in the clinic of the internal diseases: work book	Medical University of Karaganda, 2012, electronic resource	1

#### 6.1.3. Methodical development

	Authors	Title	Publisher, year	Quantity
L3.1	Ivanov K. M., Chumakova N. S., Silkina T. A., Lasareva N. V., Shkatova N. G.	Medical direct methods of patients' examination in clinic of internal diseases: The manual is intended for students enrolled in the specialty 31.05.01 "General Medicine" (Foreign Students faculty)	Orenburg State Medical University, 2019, electronic resource	1
L3.2	Parfenova N. N., Timofeev E. V., Reeva S. V., Isakov V. A., Malev E. G., Mogileva I. I.	Objective status description in the clinic of internal diseases. Instructions for 2–3d year medical students	Saint Petersburg State Pediatric Medical University, 2022, electronic resource	1

#### 6.2. Internet resources

Medical journals:

<https://medjrf.com/0869-2106/>

[https://journal.pulmonology.ru/pulm/article/view/385?locale=en\\_US](https://journal.pulmonology.ru/pulm/article/view/385?locale=en_US)

<https://scardio.ru/en/>

<http://nonr.su>

<https://www.omicsonline.org/societies/russian-gastroenterological-association-rga/>

<https://www.researchgate.net/publication/>

National Society of Hematology

#### 6.3.1 Software

Application package  
Microsoft Office

#### 6.3.2 Information Referral systems

<http://www.garant.ru> Information and legal portal

<http://www.consultant.ru> Legal reference system Consultant Plus

### 7. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE (MODULE)

The classroom for lectures is equipped with a multimedia projector, screen, laptop, stationary chalk board, standard classroom furniture: desks, chairs

The classroom for conducting practical classes, group and individual consultations, ongoing monitoring and intermediate certification is equipped with the necessary equipment (multimedia projector, screen, laptop) and technical means (TV, video player) to provide educational information to students.

Auditoriums of the MI simulation center, equipped with phantom and simulation equipment, laboratory instruments and consumables in sufficient quantities, a BenQ multimedia projector, a digital mannequin for auscultation of the heart and lungs. A digital mannequin simulator for auscultation of the heart and lungs. A tonometer, a phonendoscope. Medical furniture. Library of laboratory and instrumental research results. Roles for standardized patients, library of situational tasks, library of clinical scenarios, library of assessment sheets.