

Документ подписан простой электронной подписью
Информация о владельце:
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Должность: Ректор
Дата подписания: 28.05.2026 13:00:45
Уникальный программный ключ:
ca953a0120d891083f939673078ef1a989dae18a

**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA
RUDN University
Institute of Medicine**

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

PROPAEDEUTICS OF INTERNAL DISEASES

course title

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

General Medicine

higher education programme profile/specialisation title

2026

1. COURSE GOAL(s)

The discipline "Propaedeutics of Internal Diseases" is included in the program of the specialty "General Medicine" in the direction 31.05.01 "General Medicine" and is studied in the 4th, 5th, 6th semesters of the 2nd and 3rd years. The discipline is implemented by the Department of Internal Diseases with the course of cardiology and functional diagnostics named after Academician V.S. Moiseyev. The discipline consists of 8 sections and 39 topics and is aimed at studying the main symptoms and syndromes of internal diseases, clinical and additional research methods, mastering the methodology of constructing a diagnosis and principles of treatment.

The goal of the course is to acquire knowledge about professional skills of examining a patient, to form professional medical and general cultural competence in matters of structural organization of the main processes of vital activity of the body.

2. REQUIREMENTS TO THE RESULTS OF MASTERING THE DISCIPLINE

Mastering the course (module) "Propaedeutics of Internal Diseases» is aimed at the development of the following competences /competences in part: UC-1, GPC-1, GPC-5, GPC-6, PC-1,PC-2,PC-5,PC-6

Table 2.1. List of competences that students acquire through the course study

Competence code	Competence descriptor	Competence formation indicators (within this course)
UC-1	Capable of carrying out a critical analysis of problematic situations based on a systems approach and developing an action strategy	UC-1.1. Analyzes scientific and technical literature and regulatory documentation of medical organizations. UC-1.2. Critically evaluates the reliability of information sources, works with contradictory information from different sources. UC-1.3. Understands trends, strategic objectives, and problems in the healthcare sector. Is familiar with the legislative framework for developing strategies.
GPC-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	GPC-1.1 Able to observe moral and legal standards in professional activities; GPC-1.2 Able to present professional information in the process of intercultural interaction, observing the principles of ethics and deontology;
GPC-5	Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional problems	GPC-5.1 Has a command of the algorithm of clinical laboratory and functional diagnostics when solving professional problems; GPC-5.2 Able to evaluate the results of clinical laboratory and functional diagnostics when solving professional problems, including using artificial intelligence technologies; GPC-5.3 Able to determine morphofunctional, physiological states and pathological processes in the human body based on knowledge of the structure of the human body, the functioning of organs and systems in normal and pathological conditions;
GPC - 6	Capable of organizing patient care, providing primary health care, ensuring the organization of work and making professional decisions in emergency situations at the pre-hospital stage, in emergency situations, epidemics and in areas of mass destruction	GPC-6.1. Has knowledge of the algorithm for providing first medical aid in emergency situations, including in extreme conditions and areas of mass destruction. GPC-6.2. Able to identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing. GPC-6.3. Able to provide emergency medical care to patients in conditions that pose a threat to the patients' lives, including clinical death (cessation of vital functions

		of the human body (circulation and (or) respiration).
GPC - 7	Able to prescribe treatment and monitor its effectiveness and safety	GPC-7.1 Proficient in general clinical examination methods, interpretation of laboratory and instrumental diagnostic results; GPC-7.2 Proficient in the algorithm for making a preliminary diagnosis with subsequent referral of the patient to the appropriate specialist doctor; GPC-7.3 Capable of selecting medications for diagnosis, treatment and prevention of diseases, assessing their effectiveness, safety and drug-drug interactions;
PC - 1	Capable of providing medical care to a patient in urgent or emergency situations	PC-1.1. Able to assess the condition of a patient requiring medical care in urgent or emergency forms. PC-1.2. Capable of recognizing conditions that arise from sudden acute illnesses, exacerbations of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care. PC-1.3. Capable of providing emergency medical care to patients with sudden acute illnesses, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life. PC-1.4. Capable of recognizing conditions that pose a threat to the patient's life, including conditions of clinical death (cessation of vital functions of the human body (circulation and/or respiration), requiring emergency medical care. PC-1.5 Capable of providing emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (cessation of vital functions of the human body (circulation and/or respiration). PC-1.6. Able to use medicinal products and medical devices when providing medical care in emergency or urgent forms.
PC - 2	Capable of conducting a patient examination to establish a diagnosis	PC-2.1 Has the skills to collect complaints, anamnesis of life and disease of the patient, as well as to conduct a full physical examination of the patient (inspection, palpation, percussion, auscultation); PC-2.2 Is able to formulate a preliminary diagnosis and make a plan of laboratory and instrumental examinations of the patient; PC-2.3 Is able to refer the patient for laboratory examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; PC-2.4 Is able to refer the patient for instrumental examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; PC-2.5 Is able to refer a patient for consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on issues of providing medical care, taking into account the standards of medical care; PC-2.6 Is able to refer a patient for specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on issues of

		providing medical care, taking into account the standards of medical care; PC-2.7 Is able to conduct differential diagnostics with other diseases/conditions, including emergency ones, and also establish a diagnosis taking into account the current International Statistical Classification of Diseases and Related Health Problems (ICD);
PC - 5	Capable of carrying out and monitoring the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary and hygienic education of the population	<p>PC-5.1. Able to organize and conduct medical examinations taking into account age, health status, profession in accordance with current regulatory legal acts and other documents.</p> <p>PC-5.2. Capable of organizing and monitoring the implementation of immunoprophylaxis of infectious diseases in the adult population in accordance with current procedures for the provision of medical care, clinical recommendations (treatment protocols) on issues of providing medical care, taking into account the standards of medical care.</p> <p>PC-5.3. Capable of carrying out medical examination of the adult population for the purpose of early detection of chronic non-communicable diseases and the main risk factors for their development in accordance with current regulatory legal acts and other documents.</p> <p>PC-5.4. Capable of conducting dispensary observation of patients with identified chronic non-infectious diseases.</p> <p>PC-5.5. Able to prescribe preventive measures to patients taking into account risk factors in accordance with current procedures for the provision of medical care, clinical recommendations (treatment protocols) on issues of providing medical care taking into account the standards of medical care.</p> <p>PC-5.6. Capable of monitoring compliance with preventive measures.</p> <p>PC-5.7. Capable of determining medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor in the event of infectious (parasitic) diseases.</p> <p>PC-5.8. Capable of generating and sending to the territorial body of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing an emergency notification upon detection of an infectious or occupational disease.</p> <p>PC-5.9. Capable of carrying out anti-epidemic measures in the event of an outbreak of infection, including quarantine measures when particularly dangerous (quarantine) infectious diseases are detected.</p> <p>PC-5.10. Capable of developing healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances.</p> <p>PC-5.11. Able to evaluate the effectiveness of preventive work with patients.</p>
PC - 6	Capable of maintaining medical records and organizing the activities of the mid-level	PC-6.3. Capable of storing medical documentation, including in electronic form.

	medical personnel at their disposal	
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3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
UC-1	Capable of carrying out a critical analysis of problematic situations based on a systems approach and developing an action strategy	Medical informatics; Philosophy; Bioorganic chemistry; Mathematics; Physics; Chemistry;	Clinical pharmacology; Epidemiology; Public health and healthcare, health economics; Evidence-based medicine;
GPC-1	Capable of implementing moral and legal norms, ethical and deontological principles in professional activity	Psychology and pedagogy; Jurisprudence; Latin language;	Forensic medicine; Fundamentals of medical law; Practice of surgical profile: assistant surgeon; Practice of obstetric and gynecological profile: assistant gynecologist; Assistant physician of therapeutic profile: assistant physician general practitioner; Practice of general medical profile: assistant physician of outpatient polyclinic institution; Practice of obstetric and gynecological profile: assistant obstetrician; Practice of general medical profile: assistant pediatrician;
GPC- 5	Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional problems	Biochemistry; Anatomy; Histology, embryology, cytology; Normal physiology; Bioorganic chemistry; Biology; Chemistry;	Ophthalmology; Obstetrics and Gynecology; Otolaryngology; Pediatrics; Maxillofacial Surgery; Sectional Course; Topographic Anatomy and Operative Surgery; Forensic Medicine; Phthysiology; Anesthesiology, Resuscitation, Intensive Care; Oncology, Radiation Therapy; Medical Forensics; Methods of Cell Biology and Histology; Methods of Microbiological Diagnostics; Molecular Genetic Methods;

GPC-7	Able to prescribe treatment and monitor its effectiveness and safety	Histology, embryology, cytology; Normal physiology;	Ophthalmology; Clinical pharmacology; Otolaryngology; Pediatrics; Maxillofacial surgery; Outpatient therapy; Cardiology in quests; General medical practice: assistant physician of an outpatient clinic;
PC-1	Capable of providing medical care to a patient in urgent or emergency situations		Emergency conditions; Disaster medicine; Ophthalmology; Obstetrics and gynecology; Infectious diseases; Pediatrics; Faculty therapy; Faculty surgery; Endocrinology; Neurology, medical genetics, neurosurgery; Outpatient therapy; Anesthesiology, resuscitation, intensive care; Hospital surgery, pediatric surgery; Oncology, radiation therapy; Traumatology, orthopedics; Emergency medicine in life-threatening conditions; Hospital therapy; Urology; Endoscopic urology; Allergology; Surgical practice: assistant surgeon; Obstetric and gynecological practice: assistant gynecologist; Assistant therapeutic physician: assistant therapist; Obstetric and gynecological practice: assistant obstetrician; General practice: physician assistant
PC-2	Capable of examining a patient to establish a diagnosis	Molecular genetics in practical biology and medicine**;	Telemedicine; General medical skills; Emergency conditions; Ophthalmology; Obstetrics and gynecology; Infectious diseases; Otolaryngology; Pediatrics; Faculty therapy; Faculty surgery; Maxillofacial surgery; Sectional course; Occupational diseases; Endocrinology; Neurology, medical genetics, neurosurgery; Psychiatry, medical psychology; Phthisiology; Outpatient therapy; Anesthesiology, resuscitation, intensive care; Hospital surgery, pediatric surgery; Oncology, radiation therapy; Traumatology,

			<p>orthopedics; Reproductive health; Evidence-based medicine;</p> <p>Dermatovenereology; Clinical dentistry; Current issues of neonatology**;</p> <p>Topical Issues of Neonatology **; Cardiology in quests; Methods of microbiological diagnostics; Molecular genetic methods; Hospital therapy; Urology; Endoscopic urology; Allergology; Surgical profile practice: assistant surgeon; Obstetric and gynecological profile practice: assistant gynecologist; Assistant physician of the therapeutic profile: assistant therapist; General medical profile practice: assistant physician of an outpatient clinic; Obstetric and gynecological profile practice: assistant obstetrician; General medical profile practice: assistant pediatrician;</p>
PC-5	<p>Capable of carrying out and monitoring the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary and hygienic education of the population</p>	<p>Introduction to nutrition**; Organization of special care for patients; Fundamentals of psychophysiology**;</p>	<p>Outpatient cardiology**;</p> <p>Fundamentals of pediatric nutrition**; Ophthalmology; Obstetrics and gynecology; Infectious diseases; Pediatrics; Epidemiology; Occupational diseases; Endocrinology; Neurology, medical genetics, neurosurgery; Phthisiology; Outpatient therapy; Reproductive health; Dermatovenereology; Clinical dentistry; Urology; Endoscopic urology; General medical practice: assistant physician of an outpatient polyclinic; General medical practice : assistant physician of a pediatrician;</p>
PC-6	<p>Capable of maintaining medical records and organizing the activities of the mid-level medical personnel at their disposal</p>	<p>Bioethics**; Biostatistics ; Introductory practice to obtain primary professional skills and abilities: patient care (simulation center); Introductory practice to obtain primary professional skills and abilities: patient care;</p>	<p>Telemedicine; Ophthalmology; Obstetrics and Gynecology; Infectious Diseases; Pediatrics; Faculty Therapy; Faculty Surgery; Public Health and Healthcare, Healthcare Economics; Forensic Medicine; Outpatient Therapy; Anesthesiology,</p>

		Practice to obtain primary professional skills and abilities: assistant to junior medical personnel;	Resuscitation, Intensive Care; Hospital Surgery, Pediatric Surgery; Oncology, Radiation Therapy; Modern Methods of Medical Statistics; Hospital Therapy; Urology; Endoscopic Urology; Allergology; Surgical Practice: Assistant to a Surgeon; Obstetric and Gynecological Practice: Assistant to a Gynecologist; Assistant to a Therapeutic Physician: Assistant to a Therapist; General Medical Practice: Assistant to a Physician of an Outpatient Clinic; Obstetric and Gynecological Practice: Assistant to an Obstetrician;
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* To be filled in according to the competence matrix of the higher education programme.

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course "Propaedeutics of Internal Diseases" is "9" credits (324 academic hours).

Table 4.1. Types of academic activities during the periods of higher education programme mastering (**full-time training**)*

Type of academic activities	Total academic hours	Semesters/training modules			
		4	5	6	
<i>Contact work, academic hours</i>	231	90	90	51	
Lectures (LC)	36	18	18	0	
Lab work (LW)	195	72	72	51	
Seminars (workshops/tutorials) (S)	0	0	0	0	
<i>Self-studies</i>	75	54	18	3	
<i>Evaluation and assessment (exam/passing/failing grade)</i>	18	0	0	18	
Total course workload	academic hours	324	144	108	72
	credits	9	4	3	2

* To be filled in regarding the higher education programme correspondence training mode.

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5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Module title	Course module contents (topics)	Academic activities types
Physical	1.1 Introduction V item propaedeutics of internal diseases Explanation of the BRS rules. Subject and objectives propaedeutics of internal diseases. Methods research sick. Scheme stories diseases.	LC, LW
	1.2 General inspection. Inspection By in parts. Interrogation sick. General state, consciousness, position, physique, grade skin covers And mucous membranes, lymph nodes, muscular system, joints.	LC, LW
	2.1 Fundamentals of Respiratory Semiotics: Questioning patient With diseases respiratory organs . Interrogation sick With diseases organs breathing: complaints of lung diseases, features of the anamnesis of the disease development, life history. Laboratory and instrumental methods research V pulmonology.	LC, LW
	2.2 Basics semiotics organs breathing: examination, palpation of the chest. Percussion lungs. Inspection, palpation chest cells. Comparative and topographic percussion lungs.	LC, LW
	2.3 Basics semiotics organs breathing:	LC, LW

<p>rgan eathing, main mes and ate</p>	<p>auscultation lungs. Auscultation lungs. Main And side effects respiratory noises</p>	
	<p>2.4</p> <p>Clinical syndromes at lung diseases . Clinical syndromes at diseases lungs: pulmonary consolidation syndrome, pleural syndrome, bronchopulmonary syndrome infections, general inflammatory syndrome. Study sputum And pleural effusion.</p>	LC, LW
	<p>2.5</p> <p>Pneumonia. Pleural syndrome. Pneumonia. Pleurisy. Classification. Criteria diagnosis. Principles treatment.</p>	LC, LW
	<p>2.6</p> <p>Clinical syndromes at lung diseases . Syndromes in lung diseases: broncho-obstructive syndrome, syndrome hyperairiness , syndrome respiratory failure syndrome pulmonary heart disease, syndrome cavities, "mutely easy", syndrome night apnea, pulmonary hypertension syndrome.</p>	LC, LW
	<p>2.7</p> <p>Obstructive diseases lungs. Pulmonary emphysema. Lung abscess . Bronchiectasis . Obstructive diseases lungs. Chronic obstructive bronchitis. Bronchial asthma. Classification. Criteria diagnosis. Principles treatment. Abscess easy. Bronchiectasis . Classification. Diagnostic criteria. Principles treatment.</p>	LC, LW
<p>rch organs on, main principles of ogy.</p>	<p>3.1</p> <p>Basics semiotics organs Interrogation patient With diseases cordially – vascular circulatory system: questioning a patient with diseases cordially - vascular Systems systems: complaints, peculiarities anamnesis development of the disease, life history.</p>	LC, LW
	<p>3.2</p> <p>Fundamentals of semiotics of circulatory organs: inspection, palpation, percussion hearts</p> <p>Inspection, palpation, percussion hearts</p>	LC, LW
	<p>3.3</p> <p>Basics semiotics organs blood circulation: auscultation hearts. Auscultation hearts. Auscultation noises hearts</p>	LC, LW
	<p>3.4</p> <p>Fundamentals of semiotics of circulatory organs: study pulse, HELL. Study pulse, HELL</p>	LC, LW
	<p>3.5</p> <p>Syndromes in cardiovascular diseases systems: ECG - study. Methodology decryptions normal ECG. Syndromes at diseases cordially vascular systems: ECG research. Methodology decoding normal ECG. ECG- syndromes: signs hypertrophy ventricles, atria.</p>	LC, LW
	<p>3.6</p> <p>Syndromes in cardiovascular diseases systems: ECG - research. Methodology ECG decoding violations rhythm And focal myocardial damage .</p> <p>ECG syndromes: syndrome rhythm and conduction disturbances, signs focal defeats myocardium.</p>	LC, LW

<p style="text-align: center;">3.7</p> <p>Arterial hypertension. Factors risk. Metabolic syndrome. Arterial hypertension syndrome hypertension, metabolic syndrome. Outpatient methods Blood pressure measurements. Concept of factors risk. Hypertensive disease. Classification. Criteria diagnosis. Principles treatment.</p>	<p style="text-align: center;">LC, LW</p>
<p style="text-align: center;">3.8</p> <p>IHD. Stable angina. Vasospastic angina pectoris. Dyslipidemia, types. Principles of treatment. Atherosclerosis and his manifestations. Chronic coronary syndrome. IHD. Classification. Angina pectoris voltage. Vasospastic angina. Criteria diagnosis. Principles treatment, complications.</p>	<p style="text-align: center;">LC, LW</p>
<p style="text-align: center;">3.9</p> <p>OKS. Heart attack myocardium. Spicy coronary syndrome. Unstable angina pectoris. Heart attack myocardium. Classification. Criteria diagnosis. Principles treatment, complications. Acute heart failure: cardiac asthma, edema lungs.</p>	<p style="text-align: center;">LC, LW</p>
<p style="text-align: center;">3.10</p> <p>Shock. Collapse. Syndrome Arterial insufficiency. Venous insufficiency syndrome. Shock. Collapse. Classification. Criteria diagnosis. Principles treatment. Methods assessments arteries And veins. Arterial hypertension syndrome insufficiency. Intermittent Pain Syndrome lameness. Syndrome venous insufficiency And hydropic syndrome.</p>	<p style="text-align: center;">LC, LW</p>

	3.11 Acute rheumatic fever. Heart defects . Acute rheumatic fever. Chronic rheumatic fever. disease hearts. Mitral vices hearts. Classification. Criteria diagnosis. Principles treatment.	LC, LW
	3.12 Infectious endocarditis. Vices hearts. Infectious endocarditis. Classification. Criteria diagnosis. Principles treatment. Aortic vices hearts.	LC, LW
	3.13 Heart failure. Insufficiency syndrome blood circulation. Chronic congestive cardiac insufficiency small and big circle blood circulation. Classification. Diagnostic criteria. Principles treatment	LC, LW
Chapter 4	4.1 anamnesis collection , research methods V gastroenterology. Questioning the patient diseases of organs digestion: complaints, features of the anamnesis development of the disease, life history. Laboratory and instrumental methods research. Superficial And deep palpation belly, percussion, auscultation.	LC, LW
Methods organ research digestion, basic clinical syndromes and fundamentals of private pathologies	4.2 Syndromes in diseases of the digestive system. Gastritis. Ulcerative disease. Syndromes at diseases organs digestion: pain, dyspeptic, syndrome gastrointestinal bleeding. Gastritis, gastric ulcer. Classification. Criteria diagnosis. Principles treatment, complications.	LC, LW
	4.3 Syndromes in diseases of the small and large intestines intestines. Diseases thin and large intestine. Syndrome diarrhea, constipation, syndrome violated absorption syndrome irritated fat intestines. Diseases thin And thick intestines. Classification. Diagnostic criteria. Principles treatment.	LC, LW
Chapter 5	5.1 Questioning, collection anamnesis, research methods in hepatology. Questioning the patient liver diseases: complaints, features anamnesis diseases, life, palpation, percussion of the liver, spleen. Laboratory And instrumental methods research.	LC, LW
Methods liver tests And biliary tract, main clinical syndromes and basics private pathologies.	5.2 Syndromes at diseases liver. Syndromes in liver diseases: syndrome of jaundice, cholestasis, cytolysis, hypersplenism , portal hypertension, systemic inflammatory, hepatorenal, hepatosplenic , hepatocellular insufficiency.	LC, LW
	5.3 Hepatitis. Cirrhosis. Hepatitis. Cirrhosis liver. Classification. Criteria diagnosis. Principles treatment.	LC, LW
Chapter 6 Methods research kidneys And urinary	6.1 Questioning, collection anamnesis, methods research V nephrology.	LC, LW

pathways, main clinical syndromes and principles private pathologies.	Questioning, inspection, palpation, percussion sick With diseases kidneys. Laboratory And instrumental methods research	
	6.2 Syndromes at diseases kidneys. Syndromes in diseases kidneys: urinary syndrome, infection syndrome urinary paths, syndrome tubular disorders, nephrotic syndrome, nephritic syndrome, acute syndrome kidney damage, chronic pain syndrome renal insufficiency.	LC, LW
	6.3 Glomerular diseases. Infections urinary paths. Pyelonephritis. Glomerulonephritis. Classification. Criteria diagnosis. Principles treatment, complications.	LC, LW
	6.4 Acute disease kidneys. CKD. Acute kidney disease. Chronic disease kidneys. Classification. Criteria diagnosis. Principles treatment, complications.	LC, LW
Chapter 7	7.1 Questioning, collection anamnesis, research methods in hematology. Questioning, inspection, palpation, percussion patients with diseases organs hematopoiesis. Laboratory And instrumental methods research sick.	LC, LW
Methods studies of hematopoietic organs. Main clinical syndromes And basics private pathology.	7.2 Syndromes at diseases hematopoietic organs . Syndromes at diseases organs hematopoiesis: circulatory hypoxic, anemic syndrome, hemorrhagic, sideropenic , lymphoproliferative syndrome, internal combustion engine syndrome.	LC, LW
	7.3 Anemia. Anemia. Classification. Criteria diagnosis. Principles treatment, complications	LC, LW
	7.4 LeUCemia. LeUCemia. Classification. Criteria diagnosis. Principles treatment, complications.	LC, LW
Chapter 8	8.1 Questioning, collection anamnesis, research methods V endocrinology. Questioning, inspection, palpation, percussion patients with diseases endocrine systems (thyroid glands, diabetes mellitus). Laboratory and instrumental methods research sick.	LC, LW
Methods of endocrine research systems, basic clinical syndromes and fundamentals of private	8.2 Syndromes at diseases endocrine system . Syndromes in diseases endocrine system: thyrotoxicosis syndrome, hypothyroidism, Itsenko-Cushing's disease, cortical insufficiency adrenal glands. Thyroid diseases glands: thyrotoxicosis, hypothyroidism. Criteria diagnosis. Principles treatment, complications.	LC, LW

pathologies.	8.3 Sugar diabetes. Sugar diabetes. Classification. Criteria diagnosis. Principles treatment, complications.	LC, LW
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* - to be filled in only for **full**-time training; *LC* - lectures; *LW* - lab work; *S* - seminars.

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Audience type	Equipment audience	Specialized educational/laboratory equipment, software and materials For mastering the discipline (if necessary)
Lecture	An auditorium for conducting lecture-type classes, equipped with a set specialized furniture; board (screen) and technical means multimedia presentations.	Multimedia projector, laptop, handouts in the form of tests, methodological publications.
Lab-work	Audience For conducting laboratory work, individual consultations, ongoing monitoring and midterm certification, equipped with a set of specialized furniture and equipment.	Software : Microsoft products (OS, office suite, incl. MSOffice / Office 365), laptops, multimedia projectors. Handouts in the form of tests, methodological publications. SAM auscultation mannequins, Abdominal examination simulator for palpation, percussion and auscultation, dummies for physical examination. Devices: ECHO -KG , ECG, fibroscan .
Self-studies	A classroom for independent work of students (Maybe be used for conducting seminars and consultations), equipped with a set of specialized furniture and computers With access in EIS.	-

<p>An auditorium at the department's clinical site for laboratory work And clinical sessions</p>	<p>Audience For conducting laboratory work and clinical sessions, individual consultations, current control and intermediate certifications, equipped a set of specialized furniture and equipment</p>	<p>Laboratory, diagnostic and therapeutic equipment for clinical bases departments</p>
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* - audience For independent work students indicated **NECESSARILY!**

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

Martynov AI, Kobalava ZD, Moiseev SV Internal Diseases. Volume II. textbook - M.: GEOTAR-Media, 2022. 616 p.

https://mega.rudn.ru/MegaPro/UserEntry?Action=Link_FindDoc&id=519302&idb=0

Additional readings:

1. J. Thomas. Oxford handbook of clinical examination and practical skills.
2. [Michael Glynn MA MD FRCP FHEA](#) , [William M Drake DM FRCP](#) . Hutchison's Clinical Methods: An Integrated Approach to Clinical Practice 24th Edition.
3. Longo D., Fauci AS, Kasper DL, Hauser SL, Larry JJ, Loscalzo J., eds. Harrison's Principles of internal medicine. 22nd ed. New York: McGraw Hill Medical; 2022.

* - all educational and methodological materials for independent work of students are posted V in accordance With current in order on page disciplines **in TUIS!**

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