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Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTE PATRICE LUMUMBA
RUDN University

Institute of Medicine

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

COURSE SYLLABUS

Internal Medicine

course title

Recommended by the Didactic Council for the Education Field of:

31.05.03 Dentistry

field of studies / speciality code and title

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

Dentistry

higher education programme profile/specialisation title

2026

1. COURSE GOAL(s)

Course «Internal diseases» enters V program specialty

Dentistry By direction 31.05.03 "Dentistry" and is being studied V 5, 6, 7 semesters of the 3rd and 4th years. The course is offered by the Department of Internal Medicine with a course in cardiology and functional diagnostics named after Academician V.S. Moiseyev. The course consists of two sections and 15 topics and is aimed at studying the main symptoms and syndromes of internal diseases, clinical and additional research methods, mastering the methodology of diagnosis and treatment principles.

The purpose of mastering the course is to acquire knowledge of professional skills for examining a patient, as well as to develop professional medical and general cultural competence in matters of the structural organization of the basic processes of vital activity of the body.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "Internal Medicine" is aimed at the development of the following competences /competences in part GPC-5, GPC-6, GPC-10.

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC -10	Able to organize work younger And average medical staff for patient care	GPC-10.2 Controls And evaluates quality provision of medical care;
GPC -5	Capable of conducting examinations patient With the purpose of establishing a diagnosis when solving professional problems	GPC-5.1 Collects anamnesis, analyzing complaints patient, conducting physical examination on dental appointment; GPC-5.2 Formulates preliminary diagnosis And draw up a plan for laboratory and instrumental examinations of a dental patient; GPC-5.3 Prepares medical documentation for dental sick V in accordance With regulatory requirements; GPC-5.4 Directs a patient for laboratory testing if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on issues rendering medical help With taking into account standards of dental care; GPC-5.5 Refer the patient for an instrumental examination if there are medical indications in accordance with the current procedures for the provision of medical care help, clinical recommendations (treatment protocols) on the provision of dental care, taking into account standards; GPC-5.6 Directs patient on consultation To to specialist doctors in the presence of medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on issues of providing dental care, taking into account the standards; GPC-5.7 Refer the patient for specialized care medical help V stationary conditions or V conditions daytime hospital at availability medical indications in accordance with current procedures for the provision of medical care, clinical guidelines (protocols treatment) By questions provision of dental care; GPC-5.8 Conducts differential diagnostics With other diseases/conditions, including emergency ones; GPC-5.9 Establishes a diagnosis taking into account the current international statistical classifications diseases and health related problems;

GPC -6	Able to prescribe and monitor effectiveness And safety of non-drug and drug treatment when solving professional problems	<p>GPC-6.5 Organizes the prevention and treatment of complications, side effects, adverse reactions, including unexpected ones, arising as a result of diagnostic or therapeutic procedures, the use of drugs and (or) medical devices, non-drug treatment at a dental appointment; GPC-6.6 Organizes personalized treatment of the dental patient, including patients elderly And senile age, pregnant women women, children with somatic pathologies, evaluates the effectiveness and safety of treatment;</p> <p>GPC-6.7 Prescribes medications and medical devices With taking into account diagnosis, age And clinical paintings, and in accordance with the 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>GPC-6.1 Develops a treatment plan for a dental disease taking into account the diagnosis, age and clinical picture V in accordance With current orders provision of medical care, clinical recommendations (treatment protocols) on issues of providing medical care, taking into account the standards of medical care;</p> <p>GPC-6.2 Selects medical products (including dental materials) For compilation comprehensive plan treatment dental diseases. Observation for the further course of treatment of the patient;</p> <p>GPC-6.3 Evaluates possible side effects effects from taking medications;</p> <p>GPC-6.4 Provides medical care to the dental to the patient V urgent or emergency forms;</p> <p>GPC-6.8 Prescribes non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (protocols) treatment) By questions rendering medical care taking into account the standards of medical care;</p> <p>GPC-6.9 Evaluates the effectiveness and safety of use medicinal drugs, medical products and other methods of treatment at a dental appointment;</p>
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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*
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GPC -6	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatments treatment in solving professional problems	Immunology, clinical immunology; Basics military preparation. Safety life activity; Cariesology and diseases of hard dental tissues; Materials science;	Pediatric dentistry; Orthodontics and children's prosthetics; Psychiatry and Narcology; Clinical pharmacology; medical rehabilitation; Dermatovenerology; Neurology; Gnathology and functional diagnostics of the temporomandibular joint; Pediatrics; Children's maxillofacial surgery; Diseases heads and neck; Implantology and reconstructive oral surgery; Clinical Dentistry; Medical genetics in dentistry; Dental prosthetics (complex prosthetics); Maxillofacial and gnathic surgery; Maxillofacial prosthetics; Gerontostomatology and diseases of the oral mucosa; Periodontology;
GPC -5	Capable of conducting examinations patient for the purpose of establishing a diagnosis when making professional decisions tasks	Caries and diseases of hard dental tissues; Propaedeutics dental diseases;	Dental assistant (orthopedist); Dermatovenerology; Pediatric dentistry; Orthodontics and children's prosthetics; Gerontostomatology and diseases of the oral mucosa; Periodontology; Neurology; Psychiatry and narcology; Gnathology and functional diagnostics of the temporomandibular joint; Children's maxillofacial surgery; Medical genetics in dentistry; Prosthetics dental

			rows (complex prosthetics); Maxillofacial prosthetics; Diseases heads And neck; Implantology and reconstructive oral surgery; Maxillofacial and gnathic surgery; pediatrics;
GPC -10	Capable organize the work of junior and mid-level medical personnel in caring for patients	Practice for acquiring primary professional skills and skills in mid-level medical positions staff (Assistant ward and procedural medicine ; Organization general care for the sick;	Clinical pharmacology;

* 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 “Internal Medicine” is 7 credits (252 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			
		5	6	7	
<i>Contact academic hours</i>	173	68	54	51	
including:					
Lectures (LC)					
Lab work (LW)	173	68	54	51	
Seminars (workshops/tutorials) (S)					
<i>Self-studies</i>	46	28	15	3	
<i>Evaluation and assessment (exam/passing/failing grade)</i>	33	12	3	18	
Course workload	academic hours	252	108	72	72
	credits	7	3	2	2

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

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types

Chapter 1 Methods patient examination	1.1 Introduction V item propaedeutics internal diseases. Introduction V item propaedeutics internal diseases. Methods research sick. Scheme stories diseases.	LW
	1.2 Methods research sick with diseases organs breathing. Methods of examining a patient with respiratory diseases. Main syndromes. Lung diseases (pneumonia, pleurisy, obstructive diseases lungs, bronchial asthma, bronchiectasis, abscess easy).	LW
	1.3 Methods of examining a patient with diseases cordially - vascular systems. Methods research sick With diseases cordially -vascular system. Main syndromes. Cardiovascular diseases (rheumatic fever, arterial hypertension, ischemic heart disease) hearts, heart attack myocardium, spicy coronary syndrome).	LW
	1.4 Methods research sick With diseases gastrointestinal tract. Methods research sick With diseases gastrointestinal gastrointestinal tract. Main syndromes. Diseases of the gastrointestinal - intestinal tract (gastritis, ulcerative disease)	LW
	1.5 Methods research sick With diseases liver. Methods research sick With diseases liver. Main syndromes. Diseases liver (hepatitis, cirrhosis).	LW
	1.6 Methods research sick with kidney disease. Methods research sick With diseases kidneys. Main syndromes. Diseases of the excretory organs (pyelonephritis, glomerulonephritis).	LW
	1.7 Methods research sick with blood diseases. Methods of examining a patient with blood diseases. Basic syndromes. Diseases organs hematopoiesis (anemia, leukemia).	LW
	1.8 Methods of examining a patient with diseases endocrine systems. Methods research sick With diseases endocrine system. Main syndromes. Diseases of organs endocrine systems (thyrotoxicosis, hypothyroidism, diabetes mellitus).	LW
Chapter 2 Diseases internal organs	2.1 Diseases organs breathing. Diseases organs breathing: etiology, pathogenesis, features of clinical manifestations and complications of lung diseases; principles of treatment of pulmonary pathology (pneumonia, COPD, bronchial asthma, Cancer lungs. tuberculosis).	LW
	2.2 Diseases organs blood circulation. Diseases organs blood circulation: etiology, pathogenesis, peculiarities clinical manifestations And complications diseases of the heart and blood vessels; principles of treatment of cardiac pathology (rheumatism, heart defects, infectious endocarditis, ischemic heart disease, ACS, cardiomyopathy, arterial hypertension, cardiac arrhythmia, cardiac failure, ECG, Echocardiography).	LW

	2.3 Diseases gastrointestinal tract and liver. Diseases gastrointestinal tract And liver: etiology, pathogenesis, peculiarities clinical manifestations And complications of diseases of the gastrointestinal tract and liver; principles of treatment (peptic ulcer, diseases of the small and large intestines intestines, sharp And chronic hepatitis, cirrhosis liver).	LW
	2.4 Diseases kidneys. Kidney diseases: etiology, pathogenesis, features of clinical manifestations and complications of lung diseases; principles treatment renal pathologies (glomerulonephritis, amyloidosis, pyelonephritis, acute and chronic renal failure, hemodialysis, transplantation kidneys).	LW
	2.5 Diseases blood. Blood diseases: etiology, pathogenesis, clinical features manifestations And complications diseases blood; principles treatment (anemia, leukemia sharp And chronic).	LW
	2.6 Diseases endocrine systems. Diseases of the endocrine system: etiology, pathogenesis, features clinical manifestations And complications diseases thyroid glands, sugar diabetes; principles treatment.	LW
	2.7 Diseases joints. Joint diseases: etiology, pathogenesis, clinical features, diagnostics, complications, treatment (gout, deforming osteoarthritis, rheumatoid arthritis, ankylosing spondyloarthritis, jet And paraneoplastic arthritis).	LW

* - 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

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
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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 .
Computer-lab	Computer room for classes, group and individual consultations, ongoing monitoring and midterm assessment certifications, equipped with personal computers (1 piece), a board (screen) and technical means multimedia presentations.	Software : Microsoft products (OS, office suite, incl. MSOffice / Office 365), laptops, multimedia projectors.
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 to the Electronic Information System.	Software : Microsoft products (OS, office suite, incl. MSOffice / Office 365), laptops, multimedia projectors. Computer Class.

* - audience For independent work students indicated **NECESSARILY** !

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

Resources information and telecommunications networks "Internet":

1. EBS RUDN University And third parties EBS, To which students university have access on basis prisoners contracts
 - Electronic library system RUDN University - EBS RUDN University <https://mega.rudn.ru/MegaPro/Web>
 - EBS "University library online» <http://www.biblioclub.ru>

- EBS Yurait <http://www.biblio-online.ru>
 - EBS "Consultant student" www.studentlibrary.ru
 - EBS Znanium <https://znanium.ru/>
2. Bases data And search engines
- Sage <https://journals.sagepub.com/>
 - Springer Nature Link <https://link.springer.com/>
 - Wiley Journal Database <https://onlinelibrary.wiley.com/>
 - Scientometric base data Lens.org <https://www.lens.org>

Educational and methodological materials For independent work students at development discipline/module:*

a) Main readings:

1. 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

b) Additional readings:

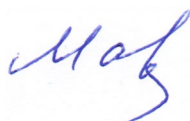
1. J. Thomas. Oxford handbook of clinical examination and practical skills.
2. [Michael Glynn MA MD FRCP FHEA](#) , [William M Drake DM FRCP](#) . Hutchison's Clinical Methods: An Integrated Approach to Clinical Practice 24th Edition.
3. Longo D., Fauci AS, Kasper DL, Hauser SL, Larry JJ, Loscalzo J.,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

8. ASSESSMENT MATERIALS AND POINT-RATING SYSTEM FOR ASSESSING THE LEVEL OF DEVELOPMENT OF COMPETENCES IN THE DISCIPLINE

Assessment materials and a point -rating system* for assessing the level of development of competencies (GPC-5, GPC-6, GPC-10) based on the results of mastering the discipline " **Internal Medicine** " are presented in the Appendix to this Work Program of the discipline

DEVELOPER:

Associate Professor of the Department of Internal Medicine with a course in cardiology and functional diagnostics named after academician V.S. Moiseev



M.A. Markova

Job title

Signature

Surname I.O.

HEAD OF THE EDUCATIONAL DEPARTMENT:

Head of the Department of Internal Medicine with a Course in Cardiology and Functional Diagnostics named after Academician V.S. Moiseyev, Professor, Corresponding Member of the Russian Academy of Sciences



J.D. Kobalava

Job title

Surname I.O.

HEAD OF THE HIGHER EDUCATION PROGRAMME:

in the direction of "Dentistry"

S.N. Razumova

Job title

Signature

Surname I.O.