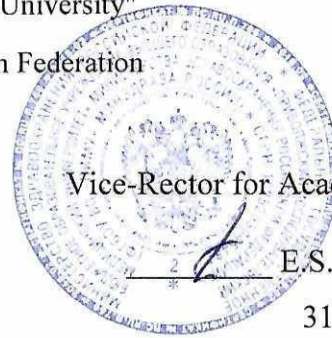


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAMM

Name of discipline: **FACULTY THERAPY AND OCCUPATIONAL DISEASES**

Direction of training (specialty): **31.05.01 GENERAL MEDICINE**

Qualification (degree) of the graduate: **GENERAL PRACTITIONER**

Department: **ENDOCRINOLOGY AND INTERNAL DISEASES**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **252 academic hours**

Nizhny Novgorod

2021


The work program was developed in accordance with the Federal State Educational Standard of Higher Education in the specialty 31.05.01 General Medicine, approved by Order of the Ministry of Education and Science of the Russian Federation No. 988 dated August 12, 2020.

Developers of the working program:


Budkina M.L., Candidate of Medical Sciences, Associate Professor, Associate Professor of the Department of Endocrinology and Internal Diseases

The work program was reviewed and approved at a meeting of the Department of Endocrinology and Internal Medicine,

Protocol No. 9 dated April 15, 2021

Head Department, MD, PhD, professor  L.G. Strongin
(signature)

April 15, 2021

AGREED
Deputy Head of EMA ph.d. of biology  Lovtsova L.V.
(signature)

April 15, 2021

1. The purpose and objectives of mastering the academic discipline FACULTY THERAPY AND OCCUPATIONAL DISEASES (hereinafter – the discipline):

1.1. The purpose of mastering the discipline.

1. The purpose and objectives of mastering the academic discipline FACULTY THERAPY AND OCCUPATIONAL DISEASES (hereinafter – the discipline):

1.1. The purpose of mastering the discipline.

The main goal of mastering the discipline is the formation of universal, general professional and professional competencies in a university student, corresponding to the professional standard "doctor-physician".

1.2. Tasks of studying the discipline.

1.3. Requirements to the deliverables of mastering the discipline

As a result of studying the discipline, the student must:

Know:

1. theoretical issues of etiology and pathogenesis, as well as prevention of the most common diseases of therapeutic patients;
2. clinical picture, course features and possible complications of the most common diseases occurring in a typical form;
3. modern methods of clinical, laboratory and instrumental diagnostics of therapeutic patients;
4. modern classification of the most common diseases, criteria for diagnosis;
5. clinical and pharmacological characteristics of the main groups of drugs and the general principles of their prescription in the treatment of the main pathological syndromes of diseases;
6. the basics of keeping a medical history, as the main example of accounting and reporting medical documentation in medical institutions of the healthcare system;
7. modern principles of medical examination of the population and rehabilitation of patients with a therapeutic profile;
8. etiology, pathogenesis of the most common occupational diseases, their modern classification, clinical picture of a typical variant of the course;
9. modern methods of research and criteria for the diagnosis of major occupational diseases, the main approaches to their treatment and succession;
10. maintenance of standard accounting and reporting medical documentation in medical and preventive institutions of the healthcare system, the implementation of an examination of working capacity;
11. bases for applying the achievements of evidence-based medicine in the treatment of patients;

Be able to:

1. collect anamnesis; conduct a survey of the patient and his relatives, conduct a physical examination of the patient (examination, palpation, percussion, auscultation, measurement of blood pressure, determination of the characteristics of the pulse, respiratory rate, etc.);
2. send for laboratory and instrumental examination;
3. interpret the results of the examination, use the data of physical, laboratory and instrumental examination, laboratory data for making a diagnosis;
4. determine the scope of additional studies to clarify the diagnosis;
5. substantiate the clinical diagnosis;
6. formulate the principles of treatment of major therapeutic diseases with the appointment of clinical and pharmacological groups of drugs, give examples of the most used drugs, use methods of non-drug treatment;
7. Maintain various medical records.

Possess:

1. basic information transformation technologies: text, spreadsheet editors; technique of working on the Internet for professional activities;

2. methods of filling in medical accounting and reporting documentation in medical and preventive institutions of the healthcare system;
3. methods of general clinical examination of patients;
4. interpretation of the results of laboratory, instrumental diagnostic methods in patients;
5. an algorithm for making a preliminary diagnosis of patients with their subsequent referral for additional examination;
6. an algorithm for making a detailed clinical diagnosis;
7. an algorithm for the implementation of basic medical diagnostic and therapeutic measures to provide first aid to the population in urgent and life-threatening conditions.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

2.1. The discipline "Faculty Therapy, Occupational Diseases" refers to the basic part of Block 1 of the GEP HE. The discipline is taught in 7 and 8 semesters 4th year of study.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

1. in the cycle of humanitarian and socio-economic disciplines (philosophy, bioethics; jurisprudence; history of medicine; Latin and foreign languages);
2. in the cycle of mathematical, natural science disciplines: physics, mathematics; medical informatics; chemistry; biology; biochemistry; anatomy; topographic anatomy and operative surgery; histology, embryology, cytology; normal physiology; microbiology, virology; immunology; pathological anatomy, clinical pathological anatomy; pathophysiology, clinical pathophysiology; pharmacology;
3. in the cycle of professional disciplines: propaedeutics of internal diseases, radiation diagnostics; general surgery, public health and healthcare.

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines: polyclinic therapy, hospital therapy and endocrinology; anesthesiology, resuscitation, intensive therapy; traumatology, orthopedics, faculty surgery, urology; hospital surgery; obstetrics and gynecology; pediatrics; infectious diseases; clinical pharmacology; physiology; dermatovenerology; neurology, medical genetics, psychiatry and medical psychology; otolaryngology; ophthalmology; oncology and radiation therapy; dentistry; hygiene; health economics; infectious diseases; epidemiology; medical rehabilitation; clinical pharmacology; physiology; dermatovenerology; neurology, medical genetics, neurosurgery; otolaryngology; ophthalmology; forensic Medicine; life safety, disaster medicine; as well as production practices "Physician's assistant", "Physician's assistant in an outpatient clinic"

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№/ №	Competence code	Content of the competence (or part of it)	Code and name of the competence acquisition metric	As a result of studying the discipline, students must:		
				know	Be able to	Possess
1.	UC-1	Able to carry out critical analysis of problem situations on	IUC 1.1 Knows: methods of critical analysis and	methods of critical analysis and evaluation of modern	gain new knowledge on the basis of analysis, synthesis, etc.;	skills in studying the problem of professional activity using

		<p>the basis of a systematic approach, to develop an action strategy</p>	<p>evaluation of modern scientific achievements; basic principles of critical analysis</p> <p>IUC 1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience</p> <p>IUK 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve</p>	<p>scientific achievements; basic principles of critical analysis,</p>	<p>collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience</p>	<p>analysis, synthesis and other methods of intellectual activity; development of an action strategy to solve professional problems</p>
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			professional problems			
2.	GPK-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	<p>IGPC 1.1 Knows: the basics of medical ethics and deontology; fundamentals of legislation in the field of health care; legal aspects of medical activity</p> <p>IGPC 1.2 Is able to: apply ethical standards and principles of behavior of a medical worker in the performance of his professional duties; knowledge of modern legislation in the field of health care in solving the problems of professional activity; apply the rules and regulations of the doctor's interaction with colleagues and patients (their legal representatives)</p> <p>IGPC 1.3 Has practical</p>	fundamentals of medical ethics and deontology; fundamentals of legislation in the field of health care; legal aspects of medical activity	apply ethical standards and principles of conduct of a medical professional in the performance of his professional duties; knowledge of modern legislation in the field of health care in solving the problems of professional activity; apply the rules and regulations of the doctor's interaction with colleagues and patients (their legal representatives)	solutions to standard tasks of professional activity on the basis of ethical norms and deontological principles in interaction with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical activity

			<p>experience: solving standard tasks of professional activity on the basis of ethical standards and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical activity</p>			
3.	GPC-4	<p>Able to use medical devices provided for by the procedure for the provision of medical care, as well as to conduct examinations of the patient in order to establish a diagnosis</p>	<p>IGPC 4.1 Knows the method of collecting anamnesis of life and diseases, complaints from patients (their legal representatives); methods of examination and physical examination; clinical picture, methods of diagnosis of the most common diseases; methods of laboratory and instrumental</p>	<p>Knows the method of collecting anamnesis of life and diseases, complaints from patients (their legal representatives); methods of examination and physical examination; clinical picture, methods of diagnosis of the most common diseases; methods of laboratory and instrumental studies to</p>	<p>collect complaints, anamnesis of life and disease from patients (their legal representatives), identify risk factors and causes of disease development; apply methods of examination and physical examination of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology in patients;</p>	<p>Has practical experience: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of disease development; examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors</p>

			<p>studies to assess the state of health, medical indications for conducting research, rules for interpreting their results; the International Statistical Classification of Diseases and health-related problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care IGPK 4.2 Is able to:</p>	<p>assess the state of health, medical indications for conducting research, rules for interpreting their results; the International Statistical Classification of Diseases and Health Problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>	<p>identify cancer risk factorsзаболеваний; formulate a preliminary diagnosis, draw up a plan for laboratory, instrumental and additional studies in patients in accordance with the procedures for the provision of medical care, clinical recommendations, taking into account medical standardsпомощи; refer patients to laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for the provision of medical</p>	<p>for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for conducting instrumental, laboratory, additional studies, consultations of specialist doctors; referral of patients to instrumental, laboratory, additional studies, consultations of specialist doctors in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care;interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary</p>
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			<p>collect complaints, anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of disease; apply methods of examination and physical examination of patients;</p> <p>interpret the results of examination and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for laboratory, instrumental and additional studies in patients in accordance with the procedures for the provision of medical care, clinical recommendations, taking</p>		<p>care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations by specialist doctors of patients; interpret and analyze the results of the main (clinical) and additional (laboratory, instrumental) methods of examination; conduct differential diagnosis of diseases in patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care; apply medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on</p>	<p>diagnosis in accordance with the International Statistical Classification of Diseases and Related Health Problems (ICD); differential diagnosis of diseases; recognition of conditions that occur in sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the</p>
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			into account the standards of medical care; refer patients to laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations by specialist doctors of patients; interpret and analyze the results of the main ...		the provision of medical care, taking into account the standards of medical care	standards of medical care
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			<p>making a preliminary diagnosis in accordance with the International Statistical Classification of Diseases and Related Health Problems (ICD); differential diagnosis of diseases; recognition of conditions that occur in sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care</p>			
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			taking into account the standards of medical care			
4.	GPC-7	Able to prescribe treatment and monitor its effectiveness and safety	IGPC 7.1 Knows: methods of drug and non-drug treatment, medical indications for the use of medical devices in the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, undesirable reactions, including serious and unforeseen; features of the provision of medical care in emergency	methods of drug and non-drug treatment, medical indications for the use of medical devices in the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, undesirable reactions, including serious and unforeseen; features of the provision of medical care in emergency forms.	develop a treatment plan for patients with the most common diseases in accordance with the procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; prevent or eliminate complications, side effects, undesirable reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment	skills in developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; providing medical care in emergency and emergency form to patients with the most common diseases, in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; selection and

			<p>forms</p> <p>IGPC 7.2 Is able to: develop a treatment plan for patients with the most common diseases in accordance with the procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; prevent or eliminate complications, side effects, undesirable reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment</p> <p>IGPC 7.3 Has practical experience in: developing a treatment plan for patients with the most common</p>			<p>prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; evaluation of the efficacy and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases; selection and appointment of non-drug treatment to patients with the most common diseases in accordance</p>
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			<p>diseases in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; providing medical care in emergency and emergency form to patients with the most common diseases, in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common</p>			<p>with the procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, arising as a result of diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment; providing medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an urgent form; the use of</p>
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			<p>diseases in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care;</p> <p>evaluation of the efficacy and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases;</p> <p>undesirable reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations , the use of drugs and (or) medical devices, non-drug treatment;</p> <p>providing medical care to patients with sudden</p>			<p>drugs and medical devices in the provision of medical care in an emergency form</p>
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			acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an urgent form; the use of drugs and medical devices in the provision of medical care in Emergency			
5.	PC-8	Able to develop a treatment plan for a disease or condition and prescribe medications, medical devices, therapeutic nutrition and non-drug treatment, taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical recommenda	IPC-8.1 Knows: modern methods of using drugs, medical devices and therapeutic nutrition in diseases and conditions of the patient in accordance with the current procedures for the provision of medical care, clinical recommendati	modern methods of using drugs, medical devices and therapeutic nutrition in diseases and conditions of the patient in accordance with the current procedures for the provision of medical care, clinical recommendati	draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, age of the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendati	методиками, позволяющими составлять план лечения заболевания и состояния пациента с учетом диагноза, возраста пациента, клинической картины заболевания в соответствии с действующими порядками оказания медицинской помощи, клиническим и рекомендациями (протоколам

		<p>tions (treatment protocols) on the provision of medical care, taking into account the standards of medical care and assess the effectiveness and safety of the use of drugs, medical products, therapeutic nutrition and other methods of treatment</p>	<p>care; the mechanism of action of drugs, medical devices and therapeutic nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions in the patient 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; mechanism of action of non-drug treatment; medical indications</p>	<p>drugs, medical devices and therapeutic nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions in the patient 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; mechanism of action of non-drug treatment; medical indications and contraindications to its appointment;</p>	<p>medical devices and therapeutic nutrition, 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 (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe 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 (treatment protocols) on the provision of medical care, taking into account the standards of medical care; evaluate</p>	<p>и лечения) по вопросам оказания медицинской помощи с учетом стандартов медицинской помощи; prescribe medicines, medical devices and therapeutic nutrition, 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 (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe non-drug treatment, taking into account the diagnosis, age and clinical picture of the disease in accordance</p>
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			<p>and contraindications to its appointment; side effects, complications caused by its use</p> <p>IPC 8.2 Is able to: draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, age of the patient, the clinical picture of the disease 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; prescribe medicines, medical devices and therapeutic nutrition, taking into</p>	<p>side effects, complications caused by its use</p>	<p>the efficacy and safety of the application ...</p>	<p>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; assess the effectiveness and safety of the use of drugs, medical devices and therapeutic nutrition</p>
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			<p>account the diagnosis, age and clinical picture of the disease 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; prescribe 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 (treatment protocols) on the provision of medical care, taking into account the standards of medical care; evaluate</p>			
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			the effectiveness and safely			
6.	PC-22	Able to maintain medical records, including in electronic form	IPC 22.1 Knows: the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunication network "Internet"; rules for the registration of medical documentation in medical organizations that provide medical care on an outpatient basis, including at home when calling a medical worker IPK 22.2 Able to: fill out medical	legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents determining the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunication network "Internet"; rules for registration of medical documentation in medical organizations that provide medical care on an outpatient basis, including at home when calling a medical worker	fill in medical records, including in electronic form; work with personal data of patients and information constituting medical secrecy; use in professional activities information systems and information and telecommunication network "Internet"	own techniques that allow you to fill out medical documentation, including in electronic form; work with personal data of patients and information constituting medical secrecy; use in professional activities information systems and information and telecommunication network "Internet"

			documentation, including in electronic form; work with personal data of patients and information constituting medical secrecy; use in professional activities information systems and information and telecommunication network "Internet"			
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4. Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
1.	UC – 1 GPC – 1, 4, 7 PC – 8, 22	Pulmonology	Pneumonia COPD BA
2.	UC – 1 GPK – 1, 4, 7 PC – 8, 22	Gastroenterology	Gastritis Peptic ulcer disease Chronic cholecystitis and pancreatitis Liver cirrhosis
3.	UC – 1 GPK – 1, 4, 7 PC – 8, 22	Nephrology	Glomerulonephritis UTI
4.	UC – 1 GPK – 1, 4, 7 PC – 8, 22	Rheumatology	Rheumatoid arthritis Osteoarthritis
5.	UC – 1 GPC – 1, 4, 7 PC – 8, 22	Cardiology	Ischemic heart disease Acute coronary syndrome, MI, complications

№	Competence code	Section name of the discipline	The content of the section in teaching units
			Primary arterial HPT Secondary arterial HPT Congestive heart failure Arrhythmias, atrial fibrillation
6.	UC – 1 GPC – 1, 4, 7 PC – 8, 22	Occupational diseases	General questions of occupational pathology Diseases associated with exposure to dust. Diseases associated with exposure to physical and chemical factors.

5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity in semesters(AH)	
	Volume in credit units (CU)	volume in academic hours (AH)	7	8
classroom work, including				
Lectures (L)	0.8	30	16	14
Laboratory practicum (LP)				
Practicals (P)	2.7	96	60	36
seminars (S)				
Students individual work (SIW)	2.5	90	50	40
Mid-term assessment				
Credit\exam (specify the type)	1	36		36
TOTAL LABOR INTENSITY				Exam
Types of classes	7	252	126	126

6. The content of the discipline.

6.1 Sections of the discipline and types of classes.

п/№	№ семестра	Наименование раздела дисциплины	Types of academic work* (in AH)

			L	LP	P	S	SIW	total
1	7	Pulmonology	6		15		10	31
	7	Gastroenterology	4		15		10	29
	7	Nephrology	4		10		10	24
	7	rheumatology	2		5		5	12
	7	Cardiology			5		5	10
	7	Case report writing			5		10	15
2	8	Cardiology	10		36		20	66
	7	Occupational diseases	4				10	14
	8	Case report writing			5		10	15
	8	<i>Exam</i>						36
		TOTAL	30		96		90	252

* - L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student’s individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

п/№	Lecture topics	Volume in AH	
		Semester	
		7	8
1.	Pneumonia	2	
2.	COPD	2	
3.	Bronchial asthma	2	
4.	Gastritis and peptic ulcer disease	2	
5.	Cirrhosis of the liver	2	
6.	Glomerulonephritis	2	
7.	Urinary infection	2	
8.	Rheumatoid arthritis	2	
9.	General issues of occupational pathology. Occupational diseases caused by exposure to industrial dust.		2
10.	Occupational diseases caused by exposure to physical and		2

	chemical factors of the working environment		
11.	Arterial hypertension		2
12.	Ischemic heart disease		2
13.	Acute coronary syndrome		2
14.	Chronic heart failure		2
15.	Heart rhythm disturbances		2
	TOTAL (30 AH)	16	14

6.2.2. The thematic plan of laboratory practicums: not provided by FGES

6.2.3. Thematic plan of practicals

п/№	Topics of practical classes	volume in AH	
		semester 7	semester 8
1.	Pneumonia	5	
2.	COPD	5	
3.	Bronchial asthma	5	
4.	Gastritis and peptic ulcer disease	5	
5.	Liver cirrhosis	5	
6.	Chronic cholecystitis and pancreatitis	5	
7.	Primary arterial HPT	5	
8.	Secondary arterial HPT	5	
9.	Rheumatoid arthritis and osteoarthritis	5	
10.	Chronic glomerulonephritis	5	
11.	Chronic pyelonephritis	5	
12.	Control of practical skills. Analysis of student medical histories.	5	
13.	Ischemic heart disease		5
14.	Acute coronary syndrome and MI		5

15.	MI complications		5
16.	Congestive heart failure		5
17.	Arrhythmias		5
18.	Atrial fibrillation		5
19.	Control of practical skills. Analysis of student case reports.		6
	TOTAL (96 AH)	60	36

6.2.4 Thematic plan of seminars: not provided by FGES

6.2.5. Types and topics of student's individual work (SIW)

№	Types and topics of SIW	volume in AH	
		7	8
1	Case reports writing	10	10
2	preparation of reports, speeches	3	2
3	preparation for participation in classes in an interactive form (role-playing and business games, trainings, game design, computer simulation, discussions),	6	5
4	work with electronic educational resources posted on the educational portal of the Federal State Budgetary Educational Institution "PIMU" of the Ministry of Health of Russia	6	3
5	work with literary and other sources of information on the studied section, including in interactive form	25	20
	TOTAL (90 AH)	50	40

6.2.6. Research work of the student:

№ п/п	Naming of the topics of the student's research work	Семестр
1	New medical technologies in the diagnosis and treatment of internal diseases	7, 8
2	Rational pharmacotherapy of pathology of internal organs	7, 8
3	Demonstration of clinical cases of comorbid pathology of internal organs	7, 8

4	Presentations on rare forms of pathology of internal organs based on literature data	7, 8
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7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	№ semester	types of control	Name of section of academic discipline	Assessment formats		
				types	Number of questions	number of test task options
1	2	3	4	5	6	7
1.	7	Control over the development of the topic, control of the student's independent work	Pulmonology	MCQ	20	Unlimited
				Clinical cases	1	20
				Abstract	1	10
2.	7	Control over the development of the topic, control of the student's independent work	Gastroenterology	MCQ	20	Unlimited
				Clinical cases	1	20
				Abstract	1	10
3.	7	Control over the development of the topic, control of the student's independent work	Rheumatology	MCQ	20	Unlimited
				Clinical cases	1	20
				Abstract	1	10
4.	7	Control over the development of the topic, control of the student's independent work	Nephrology	MCQ	20	Unlimited
				Clinical cases	1	20
5.	7	Control over the development of the topic, control of the student's independent work	Occupational diseases	MCQ	20	Unlimited
				Clinical cases	1	20
				Abstract	1	10
6.	8	Control over the	Cardiology	MCQ	20	Unlimited

		development of the topic, control of the student's independent work		Clinical cases	1	20
				Abstract	1	10
7.	7, 8	Control over the development of the topic, control of the student's independent work	Practical skills	MCQ	20	Unlimited
				Case report	4	Unlimited
8.	8	Exam	All parts of discipline	MCQ	3	80
				Clinical cases	1	40

8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

№	Name according to bibliographic requirements	Number of copies	
		At the department	In the library
1.	Longo Dan I. Harrison's principles of internal medicine. V.1. McGraw-Hill, 2012		15
2.	Longo Dan I. Harrison's principles of internal medicine. V.2. McGraw-Hil, 2012		15
3.	Current practice guidelines in primary care / J. S. Esherrick, D. S. Clark , E. D. Slater . – New York: McGraw-Hill, 2013. – 402 p.: il. ISBN 978-0-07-179750-4.		25
4.	Clinical medicine / edited by P. Kumar , M. Clark . – 8th ed. – Edinburgh : Saunders, 2012. – 1286 p.: il.		50
5.	Davidson's principles and practice of medicine / edited by C. Haslett , J. A. A. Hunter . – 19th ed. – Edinburgh : Churchill Livingstone, 2002. – 1274 c.: мяг.		20

8.2. Further reading

№	Name according to bibliographic requirements	Number of copies
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		cathedral	library
1.	Cardiology / D. G. Julian, J. C. Cowan , J. M. McLenachan . – 8th ed. – [б. м.] Elsevier Saunders, 2005. – 387 с.: мяг.		20
2.	The ECG made easy / J. R. Hampton. – 7th ed. – Edinburgh: Churchill Livingstone, 2008. – 179 с.: ил. мяг.		14
3.	Emergency Medicine / L. Stead. – [б. м.] Lippincott Williams & Wilkins, 2000. – 673р.		5

8.2.1 List of methodological recommendations for SIW:

№	Name according to bibliographic requirements	Number of copies	
		cathedra	library
1.	Botova S. N. Practical aspects of spirometry: textbook for the overseas medical students . Publishing House of NNSMA, 2015.- 56 p.	2	5
2.	Strongin L. G. Interpretation of ECG data: textbook for the international english speaking medical students . Publishing House of NNSMA, 2014. - 68 p.	2	15
3.	Strongin L. G. Guide to case report writing, history taking and physical examination : textbook for the international english speaking medical students . Publishing House of NNSMA, 2014. - 64 p.	2	10

8.3. Electronic educational resources for teaching academic subjects

8.3.1. Internal Electronic Library System of the University (IELSU)

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
Internal electronic library system (VEBS)	Proceedings of the teaching staff of the academy: textbooks and manuals, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents.	from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: http://95.79.46.206/login.php	Unlimited

8.3.2. Electronic educational resources acquired by the University

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
Electronic database "Student Advisor"	Educational literature + additional materials (audio, video, interactive materials, test tasks) for higher medical and pharmaceutical education. Editions are structured by specialties and disciplines in accordance with the current Federal State Educational Standards of Higher Professional Education.	from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: http://www.studmedlib.ru/	General subscription of PIMU
Electronic library system "Bukap"	Educational and scientific medical literature of Russian publishing houses, incl. translations of foreign publications.	from any computer located on the Internet by login and password, from the computers of the academy. Subscribed editions are available for reading. [Electronic resource] - Access mode: http://www.books-up.ru/	General subscription of PIMU
"Bibliopisk"	Integrated search service "single window" for electronic catalogs, ELS and full-text databases. The results of a single search in the demo version include documents from domestic and foreign electronic libraries and databases available to the university as part of a subscription, as well as from open access databases.	For PIMU, access to the demo version of the Bibliopisk search engine is open: http://bibliosearch.ru/pimu .	General subscription of PIMU
Domestic electronic periodicals	Domestic electronic periodicals	-magazines publishing house "Mediasphere" - from the computers of the library or provided library at the request of the user [Electronic resource] - Access mode: https://elibrary.ru/	Free access from PIMU computers
The international scientometric database "Web of Science Core	Web of Science covers materials on natural, technical, social, and human sciences; takes into account the mutual citation of publications	Free access from PIMU computers [Electronic resource] - Access	Free access from PIMU computers

Collection"	developed and provided by Thomson Reuters; has built-in search, analysis and management of bibliographic information.	to the resource at: http://apps.webofknowledge.com	
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8.3.3 Open access resources

<i>Name of the electronic resource</i>	Brief description (content)	<i>Conditions of access</i>
Federal Electronic Medical Library (FEMB)	Includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, magazines, etc.). [Elektronnyi resurs] – Mode of access: http://neb.rf/	from any computer on the Internet
Scientific Electronic Library eLIBRARY.RU	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications. [Electronic resource] – Access mode: https://elibrary.ru/	from any computer on the Internet
Scientific electronic library of open access CyberLeninka	Full texts of scientific articles with annotations, published in scientific journals of Russia and the near abroad. [Electronic resource] – Access mode: https://cyberleninka.ru/	from any computer on the Internet
Russian State Library (RSL)	Avtoreferaty, for which there are author's contracts with permission for their open publication [Electronic resource] – Access mode: http://www.rsl.ru/	from any computer on the Internet
Reference and legal system "Consultant Plus"	Federal and regional legislation, judicial practice, financial consultations, comments on legislation, etc. [Electronic resource] – Access mode: http://www.consultant.ru/	from any computer on the Internet
Official website of the Ministry of Health of the Russian Federation	National clinical recommendations [Electronic resource] – Access mode: cr.rosminzdrav.ru - Clinical recommendations	from any computer on the Internet
Official websites of the Russian Respiratory Society, the Russian Society of Cardiology	Modern materials and clinical recommendations for the diagnosis and treatment of respiratory diseases, cardiovascular diseases [Electronic resource] – Access mode: www.spulmo.ru – Russian Respiratory Society www.scardio.ru – RSC	from any computer on the Internet
Official website of the Russian Scientific Society	Modern materials and clinical recommendations for the diagnosis and treatment of diseases of internal organs	from any computer on the Internet

of Therapists	[Electronic resource] – Access mode: www.rnmot.ru – Russian scientific society of therapists	
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9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

1. Lecture hall equipped with multimedia equipment and a microphone.
2. Rooms for conducting clinical practical classes.
3. Multidisciplinary accreditation and simulation center.
4. Chambers of clinical and diagnostic departments of medical institutions - clinical bases of the Department of Endocrinology and Internal Medicine.

9.2. List of equipment for classroom activities for the discipline

1. Multimedia complex.
2. Medical documentation: medical history, outpatient card
3. Archival and educational case histories.
4. Pocket inhalers, spacers, nebulizers, glucometers. Apparatus for recording ECG. Continuous ECG monitoring systems.
5. Multifunctional heart and lung auscultation simulator.
6. Training set of complete blood count results.
7. Training set of sputum and pleural fluid results.
8. Training set of urinalysis results.
9. Disk “Auscultation of the lungs. Auscultation of the heart.
10. Training set of electrocardiograms.
11. Training set of echocardiograms.
12. Album of ultrasound results.
13. Training set of radiographs (lungs, joints).
14. Tonometers.
15. Phonendoscopes. Stethoscopes.
16. Slides and multimedia presentations of lectures.
17. Standardized patient.
18. Scenarios and instructions for participants when conducting role-playing games.

9.3. A set of licensed and freely distributed software, including domestic production

Ite	Software	number of	Type of software	Manufacturer	Number in the unified	Contract No. and date
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m no.		licenses			register of Russian software	
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

10. List of changes to the working program of the discipline "Faculty therapy and occupational diseases"

Federal State Budgetary Educational Institution of Higher Education

"Privolzhsky Research Medical University"

Ministry of Health of the Russian Federation

(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of

ENDOCRINOLOGY AND INTERNAL MEDICINE

CHANGE REGISTRATION SHEET

working program for the academic discipline

Faculty therapy and occupational diseases

Field of study / specialty / scientific specialty: 31.05.01 MEDICAL BUSINESS
(code, name)

Training profile:

(name) - for master's degree programs

Mode of study: full-time

full-time/mixed attendance mode/extramural

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting

Protocol No. _____ of _____ 20__

Head of the Department

_____ / _____

department name, academic title

signature

print name