

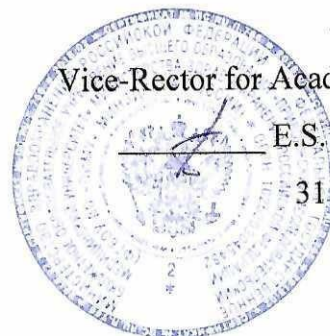
Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation

APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021



WORKING PROGRAM

Name of the academic discipline: **NURSING IN THERAPY**

Specialty: **31.05.01 GENERAL MEDICINE**
(code, name)

Qualification: **GENERAL PRACTITIONER**

Department: **ENDOCRINOLOGY AND INTERNAL MEDICINE**

Mode of study: **FULL-TIME**

Nizhny Novgorod
2021

The working program has been developed in accordance with the Federal State Educational Standard for specialty 31.05.01 GENERAL MEDICINE approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020.

Developers of the working program:

Morozova E. P., Ph.D, Associate professor, department of Endocrinology and Internal Medicine


Reviewers:

1. Nekrasov A.A., MD, PhD, Associate professor, acting Head of the Department of Faculty and Polyclinic Therapy, PRMU
2. Grigorieva N.Y., MD, PhD, Associate professor, Head of the Department of Clinical Medicine, Lobachevsky State University of Nizhny Novgorod

The program was reviewed and approved at the department meeting (protocol No. 01 June 2021)

Head of the Department,
MD, PhD, Associate professor  I.G. Pochinka
(signature)

01 June 2021

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

01 June 2021

1. The purpose and objectives of mastering the academic discipline «Nursing in therapy»:

1.1. The purpose of mastering the discipline «Nursing in therapy»:

As a result of mastering the discipline program the graduate should form universal, general professional and professional competencies: UC - 1,4,5; GPC – 1,4; PC - 1,2,3,4, necessary to achieve labor functions in accordance with the Professional standard of General practitioner.

Universal competencies:

Systemic and critical thinking (category)

UC-1 Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy

Communication

UC-4 Able to use modern communication technologies, including in a foreign language, for academic and professional cooperation

Intercultural interaction

UC-5 Able to analyze and take into account the diversity of cultures in the process of intercultural interaction

General professional competencies:

Ethical and legal foundations of professional activity.

GPC-1 Able to implement moral and legal rules, ethical and deontological principles in professional activities

Diagnostic instrumental examination methods

GPC-4 Able to use medical equipment prescribed by the order of medical care as well as conduct examination of the patient in order to establish a diagnosis

Professional competencies:

Examination of a patient in order to establish a diagnosis (employment function)

PC-1 Able to assess the condition of a patient requiring emergency or urgent medical care

PC-2 Able to recognize conditions occur in sudden acute illnesses, during exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care, to recognize life-threatening conditions, including conditions of clinical death (stopping the vital functions of the human body (blood circulation and/or respiration) requiring emergency medical care

PC-3 Able to provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, to provide emergency medical care to patients in life-threatening conditions, including clinical death (stopping vital functions of the human body (blood circulation and/or respiration)

PC-4 Able to use medications and medical devices to provide medical care in emergency or urgent forms

1.2. Tasks of the discipline:

1. To form knowledge of the organization and functions of the nursing process.

2. To form knowledge of providing medical aid, organization and analysis of medical and preventive nursing care, including emergency care.

3. To form knowledge of main symptoms, syndromes, anamnesis features, modern methods of clinical examination, laboratory and instrumental investigation of patients with diseases of internal organs, including emergency conditions from the position of the nursing staff.

4. To form knowledge of the basic principles of prevention of diseases of internal organs and the role of a nurse in the forming of a healthy lifestyle of the population.

5. To form practical skills in diagnosing and assessing the patient's status by taking anamnesis, interviewing relatives, physical examination of the patient with major syndromes and

diseases of the internal organs in order to provide first medical aid and cardiopulmonary resuscitation.

6. To form practical skills in caring for patients, sanitizing patients according to the age, character and severity of the disease.

7. To form practical skills in organizing and controlling the work of nursing staff, filling out and maintaining documentation.

8. To form knowledge and practical skills in compliance and control of the sanitary-hygienic and anti-epidemic regimen in the departments of the therapeutic profile according to the normative documents.

9. To form manipulation and procedural skills as a part of the work of nursing staff.

10. To form skills: evaluating the results of physical examination of patients with diseases of the internal organs; interpretation of the results of laboratory, instrumental diagnostic methods for the purpose of nursing diagnostics of diseases and conditions.

11. Provide an opportunity to gain practical experience of manipulation and procedural skills in the center of practical skills of the University.

1.3. Requirements to the deliverables of mastering the discipline «Nursing in therapy», which includes lectures, clinical practical classes, student's individual work

As a result of completing the discipline, the student should

Know:

- Laws and regulatory acts in the field of healthcare of the Russian Federation and countries of residence, consumer protection and sanitary and epidemiological welfare of the population;
- Normative legal documents regulating the activities of healthcare institutions;
- Theoretical foundations and stages of nursing process;
- Foundation of the diagnostic and treatment process, disease prevention, promotion of a healthy lifestyle;
- Principles of education of the patient and his family about care and self-care;
- Rules for the operation of medical instruments and equipment, rules and techniques for carrying out manipulations
- Rules for maintaining accounting and reporting documentation of a structural unit, the main types of medical documentation;
- Algorithm for examining therapeutic patients, rules and stages of examining a patient, physical methods of examining a patient;
- Anatomical, physiological, age and gender features of a healthy and sick person;
- Causes of the main pathological processes in the body and mechanisms of development; etiology, pathogenesis and preventive measures of the most common diseases;
- The main clinical symptoms and syndromes of diseases of internal organs, emergency conditions in patients with different therapeutic diseases according to the course;
- Classical diagnostic methods and their diagnostic capabilities in the examination of a patient with a therapeutic profile, modern methods of clinical examination, laboratory, instrumental investigation of patients;
- The structure of the medical history and the rules for filling it out;
- Lexical minimum of a general and terminological nature, basic medical terminology in Latin and foreign languages;
- Principles of ethics and deontology, psychology of professional communication, rules of conduct with colleagues, with junior medical staff, with the patient, with his relatives;
- Rules of cardiopulmonary resuscitation.

Be able to:

- Prepare the workplace, organize, plan and analyze their activity;
- Ensure compliance with the sanitary-hygienic and anti-epidemic regime;
- Perform standardized nursing technologies (preventive, therapeutic and diagnostic, invasive manipulations and activities);
- Carry out all stages of the nursing process during the period of daily life, illness and rehabilitation of the patient;
- Promote a healthy lifestyle;
- Prepare medical documentation;
- Taking history of the patient or his relatives, take an anamnesis of life and history of the disease in order to determine the status and severity of the patient and obtain complete information about the disease, establishing the possible causes of its occurrence in typical cases;
- Assess the factors affecting the patient's physical and psychological health: professional, environmental, cultural, ethnic, religious, individual, family, social risk factors;
- Carry out nursing clinical examination of patient using physical methods and identify objective signs of the disease;
- Carry out primary examination of systems and organs of the patient;
- Identify the main pathological symptoms and syndromes, emergency conditions of patients with various therapeutic diseases, taking into account their course and substantiate them;
- Assess the patient's condition and priorities for making a decision to provide him medical care; provide therapeutic patients with emergency pre-medical care according to state standards;
- Evaluate the results of general blood test, urine, sputum, feces, biochemical blood test;
- Conduct training of patients and their relatives in the basic hygienic measures of a health-improving nature, the skills of self-control of the main physiological indicators, which help with the preservation and promotion of health, and the prevention of diseases.
- Carry out their activities taking into account the moral, ethical and legal norms accepted in society, keep medical secrecy;
- Perform cardiopulmonary resuscitation.

Possess:

- Application of nursing medical knowledge in practice;
- Communication with medical staff, patients and their relatives, taking into account ethnic, confessional and cultural differences, ethical and deontological aspects of medical practice;
- Work with patients to inform them and their relatives according to the requirements of the rules of "informed consent";
- Application of foreign languages which are necessary for communication and obtaining information from foreign sources, reading and writing skills of clinical and pharmaceutical terms and prescriptions in Latin;
- Carrying out a nursing physical general clinical examination of the patient (interview, inspection, palpation, percussion, auscultation, measurement of blood pressure, assessment of the characteristics of the pulse, respiration, ECG);
- Filling out medical documentation;
- Assessment of the functional state of the patient, carrying out nursing diagnostic measures of pathological symptoms and syndromes, emergency conditions in patients with various therapeutic diseases, taking into account their course;
- Interpretation of the results of basic laboratory, instrumental studies;

- Work on training patients and their relatives with the basic hygienic health-improving measures, the skills of self-control of the main physiological parameters, which contribute to the preservation and promotion of health, disease prevention;
- Preparation of patients for examination (laboratory, instrumental);
- Performing injection manipulations, procedures, certain methods of laboratory and instrumental research;
- Implementation of a care plan for a patient with various diseases of the internal organs;
- Teaching the patient care (self-care);
- Carrying out sanitary-educational work, conversations with patients and visitors;
- Providing care for terminally ill patients;
- Implementation of sanitary-hygienic and anti-epidemic measures;
- Processing tools and care items;
- Carrying out cardiopulmonary resuscitation.

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 «Nursing in therapy» refers to the core part (or the part formed by the participants of educational relations) of Block 1 of GEP HE (Academic discipline index).

The discipline is taught in third semester/ the second year of study.

2.2. **The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:** anatomy, care of patients, clinical aspects of biochemistry, normal physiology, methods of studying physiological functions, first aid, educational practice - nursing patients in therapy

2.3. **Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:** propaedeutics of internal diseases, internal medicine, occupational diseases, polyclinic therapy, hospital therapy, endocrinology, infectious diseases, rheumatology, gastroenterology, basics of emergency treatment, work practice - assistant to a ward nurse, assistant to a procedural nurse, work practice - assistant to an outpatient doctor.

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: UC - 1,4,5; GPC – 1,4; PC - 1,2,3,4

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	UC 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis UC 1.2 Able to: acquire new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for the information and solutions based on action, experiment and experience UC 1.3 Has practical experience: researching the problem of	methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis	acquire new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for the information and solutions based on action, experiment and experience	researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems

			professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems			
2.	UC-4	Able to use modern communication technologies, including in a foreign language, for academic and professional cooperation	UC 4.1 Knows: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies UC 4.2 Knows: express thoughts in Russian and foreign languages during business communication UC 4.3 Has practical experience: writing texts in Russian and foreign languages related to professional activities; experience in translating medical texts from a foreign language into Russian; experience of speaking Russian and foreign languages	the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies	express thoughts in Russian and foreign languages during business communication	writing texts in Russian and foreign languages related to professional activities; experience in translating medical texts from a foreign language into Russian; experience of speaking Russian and foreign languages
3.	UC-5	Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	UC 5.1 Knows: the main categories of philosophy, the laws of historical development, the basics of intercultural communication; basic concepts of human interaction in the organization UC 5.2 Able to: present professional information competently, clearly in the process of intercultural interaction; respect ethical standards and human rights; analyze the features of social interaction, taking into account national, ethno-cultural, confessional characteristics UC 5.3 Has practical experience: productive interaction in a professional environment, taking into account national, ethno-cultural, confessional characteristics; overcoming communicative, educational, ethnic, confessional and other barriers in the process of intercultural interaction	the main categories of philosophy, the laws of historical development, the basics of intercultural communication; basic concepts of human interaction in the organization	present professional information competently, clearly in the process of intercultural interaction; respect ethical standards and human rights; analyze the features of social interaction, taking into account national, ethno-cultural, confessional characteristics	productive interaction in a professional environment, taking into account national, ethno-cultural, confessional characteristics; overcoming communicative, educational, ethnic, confessional and other barriers in the process of intercultural interaction
4.	GPC-1	Able to implement moral and legal rules, ethical and deontological principles in professional activities	GPC 1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice GPC 1.2 Able to: apply ethical norms and principles of behavior of a medical worker in the professional duties; has knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives) GPC 1.3 Has practical experience: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with	basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice	apply ethical norms and principles of behavior of a medical worker in the professional duties; has knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives)	solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice

			colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice			
5.	GPC-4	Able to use medical equipment prescribed by the order of medical care as well as conduct examination of the patient in order to establish a diagnosis	<p>GPC 4.1 Knows: the methodology for collecting anamnesis of life and diseases, complaints of patients (their legal representatives); method of inspection and physical examination; clinical presentation, diagnostic methods of the most common diseases; methods of laboratory and instrumental investigation for assessing the state of health, medical indications for investigation, rules for interpreting their results; conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical care, according to the standards of medical care, clinical recommendations (treatment protocols)</p> <p>GPC 4.2 Able to: collect complaints, anamnesis of life and disease from patients (their legal representatives), identify risk factors and causes of diseases; apply methods of inspection and physical examination of patients; interpret the results of the inspection and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, make a plan for conducting laboratory, instrumental and additional studies in accordance with the procedures for providing medical care, clinical recommendations, according to the standards of medical care; refer patients for laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, according to the standards of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, according to the standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to</p>	the methodology for collecting anamnesis of life and diseases, complaints of patients (their legal representatives); method of inspection and physical examination; clinical presentation, diagnostic methods of the most common diseases; methods of laboratory and instrumental investigation for assessing the state of health, medical indications for investigation, rules for interpreting their results; conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical care, according to the standards of medical care, clinical recommendations (treatment protocols)	collect complaints, anamnesis of life and disease from patients (their legal representatives), identify risk factors and causes of diseases; apply methods of inspection and physical examination of patients; interpret the results of the inspection and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, make a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, according to the standards of medical care; refer patients for laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, according to the standards of medical care; interpret and analyze the results	collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases; inspection and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for cancers; formulating a preliminary diagnosis, make a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommendations, according to the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems; carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases,

			<p>life, requiring emergency medical care; apply medical devices in accordance with the current procedures for the provision of medical care, according to the standards of medical care, clinical recommendations (treatment protocols)</p> <p>GPC 4.3 Has practical experience: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases; inspection and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for cancers; formulating a preliminary diagnosis, make a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommendations, according to the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems; carrying out differential diagnostics of diseases; recognition of conditions arising from 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 care according to the standards of medical care, clinical recommendations (treatment protocols)</p>		<p>of consultations with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics 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 care, according to the standards of medical care, clinical recommendations (treatment protocols) on the provision of medical care</p>	<p>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 care according to the standards of medical care, clinical recommendations (treatment protocols)</p>
6.	PC-1	<p>Able to assess the condition of a patient requiring emergency or emergency medical care</p>	<p>PC 1 1. Knows: Criteria for assessing the clinical condition of a patient requiring emergency or urgent medical care PC 1 2. Able to: assess the clinical condition of a patient requiring emergency medical care adequately PC 1 3. Has practical experience: assessing the clinical condition of a patient requiring emergency or urgent medical care</p>	<p>Criteria for assessing the clinical condition of a patient requiring emergency or urgent medical care</p>	<p>assess the clinical condition of a patient requiring emergency medical care adequately</p>	<p>assessing the clinical condition of a patient requiring emergency or urgent medical care</p>
7.	PC-2	<p>Able to recognize conditions occur in sudden acute illnesses, during exacerbation of chronic diseases without obvious</p>	<p>PC 2 1. Knows: Clinical manifestations of emergency conditions arising from sudden acute illnesses, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring medical care in an</p>	<p>Clinical manifestations of emergency conditions arising from sudden acute illnesses, exacerbation of</p>	<p>recognize the clinical manifestations of emergency conditions arising from sudden acute illnesses,</p>	<p>recognizing the clinical manifestations of emergency conditions arising from sudden acute illnesses,</p>

		signs of a threat to the patient's life and requiring emergency medical care, to recognize life-threatening conditions, including conditions of clinical death (stopping the vital functions of the human body (blood circulation and/or respiration) requiring emergency medical care	emergency form, recognize conditions that threaten the patient's life, including conditions of clinical death (stop vital important functions of the human body (blood circulation and / or respiration), requiring emergency medical care PC 2 2. Able to: recognize the clinical manifestations of emergency conditions arising from sudden acute illnesses, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care, recognize conditions that threaten the patient's life, including conditions of clinical death IPC 2 3. Has practical experience: recognizing the clinical manifestations of emergency conditions arising from sudden acute illnesses, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care, recognizing conditions that threaten the patient's life, including conditions of clinical death	chronic diseases without obvious signs of a threat to the patient's life and requiring medical care in an emergency form, recognize conditions that threaten the patient's life, including conditions of clinical death (stop vital important functions of the human body (blood circulation and / or respiration), requiring emergency medical care	exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care, recognize conditions that threaten the patient's life, including conditions of clinical death	exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care, recognizing conditions that threaten the patient's life, including conditions of clinical death
8.	PC-3	Able to provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, to provide emergency medical care to patients in life-threatening conditions, including clinical death (stopping vital functions of the human body (blood circulation and/or respiration)	PC 3 1. Knows: Algorithm for providing medical care in emergency and urgent forms in case of acute and urgent diseases, conditions, exacerbation chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life; provide emergency medical care to patients in conditions that threaten to the patient's life, including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration) PC 3 2. Able to: provide medical care in emergency and emergency forms in case of acute diseases, conditions, exacerbation chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life; provide emergency medical care to patients in conditions that threaten to the patient's life, including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration) PC 3 3. Has practical experience: providing of medical care in emergency and urgent forms in case of acute diseases, conditions, exacerbation of chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life; provide emergency medical care to patients in conditions that threaten to the patient's life, including clinical	Algorithm for providing medical care in emergency and urgent forms in case of acute and urgent diseases, conditions, exacerbation chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life; provide emergency medical care to patients in conditions that threaten to the patient's life, including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration)	provide medical care in emergency and emergency forms in case of acute diseases, conditions, exacerbation chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life; provide emergency medical care to patients in conditions that threaten to the patient's life, including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration)	providing of medical care in emergency and urgent forms in case of acute diseases, conditions, exacerbation of chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life; provide emergency medical care to patients in conditions that threaten to the patient's life, including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration)

			death (stopping the vital functions of the human body (blood circulation and/or respiration))			
9.	PC-4	Able to use medications and medical devices to provide medical care in emergency or urgent forms	<p>PC 4 1. Knows: The algorithm for providing medical care and the use of medicines and medical devices in emergency and urgent forms of acute and urgent diseases, conditions, exacerbation of chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life</p> <p>PC 4 2 Able to: provide medical care and apply medicines and medical devices in emergency and emergency forms in case of acute diseases, conditions, exacerbation of chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life</p> <p>IPC 4 3. Has practical experience: providing of medical care and the use of medicines and medical devices in emergency and urgent forms in case of acute diseases, conditions, exacerbation of chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life</p>	The algorithm for providing medical care and the use of medicines and medical devices in emergency and urgent forms of acute and urgent diseases, conditions, exacerbation of chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life	provide medical care and apply medicines and medical devices in emergency and emergency forms in case of acute diseases, conditions, exacerbation of chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life	providing of medical care and the use of medicines and medical devices in emergency and urgent forms in case of acute diseases, conditions, exacerbation of chronic diseases that threaten to the life of the patient or without obvious signs of a threat to the patient's life

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 - 1,4,5; GPC – 1,4.	Introduction to the subject "Nursing in therapy"	<p>1. Subject and tasks of nursing in therapy. Nursing in therapy as a field of clinical medicine, its importance among other medical disciplines. Goals and objectives of the discipline. Organization of the work of a nurse in therapeutic department. Functions of a nurse. Nursing models. Quality control of the work of a nurse.</p> <p>2. History of the development of nursing as a science. Domestic and foreign therapeutic schools. Outstanding internists in the history of medicine, the significance of their discoveries and achievements for the development of therapy.</p> <p>3. Methodology of diagnosis. Fundamentals of diagnosis. General plan and basic principles of diagnostic research and differential diagnosis. Symptoms and syndromes. Stages of statement and rules of a substantiation of the diagnosis.</p> <p>4. Fundamentals of deontology. Principles of medical care, justification, the Hippocratic oath. Psychological portrait of a nurse. Rules for relationships with the patient, with his relatives, with colleagues, with junior medical staff.</p>
2	UC - 1,4,5; GPC – 1,4; PC - 1,2.	Methods of nursing clinical examination of the patient. The importance of interviewing the patient. The value of physical methods of examination. The value of laboratory	<p>1. Characteristics of methods of examination. History taking and physical methods: inspection, palpation, percussion, auscultation. General characteristics.</p> <p>2. Collecting anamnesis as the first stage of examination of the patient. Rules of conducting.</p> <p>3. Complaints of the patient. Chief and additional complaints. The main characteristics of the pain syndrome. Rules for its description in the case history.</p> <p>4. History of the development of the current disease. Principles of</p>

		<p>and instrumental methods in the diagnosis of internal pathology.</p>	<p>construction and rules of writing.</p> <p>5. The history of the patient's life. Family, social, anamnesis, bad habits, previous diseases, sexual history. Allergological, transfusiological, epidemiological anamnesis.</p> <p>6. Present condition. General inspection. Assessment of the severity of the condition, level of consciousness, position of the patient, his facial expressions. diagnostic value. Determination of the patient's habitus, assessment of his physique, body mass index, constitution, physical activity, gait. Assessment of vital signs: body temperature, pulse rate, respiratory rate, blood pressure. Types of temperature curves. Causes of fever. Inspection and palpation of the skin. Change in skin color, skin rashes, excessive moisture, dryness, temperature, elasticity. Determination of skin turgor Examination of subcutaneous fatty tissue. Rules for the detection of edema. Rules for examination, palpation of lymph nodes. Rules for describing the lymph node. Causes of lymphadenopathy. Inspection of skin derivatives: hair and nails. Types of distribution of hair growth on the body. Diagnostic value of deformation of the nail plate. Inspection and palpation of the musculoskeletal system. Determination of the degree of development of the muscular system, its strength, tone. Detection of deformities of bones and joints. Causes of osteoarticular deformities.</p> <p>7. Significance of examination, palpation, percussion, auscultation in the diagnosis of diseases of internal organs.</p> <p>8. Significance of laboratory and instrumental methods in the diagnosis of internal pathology.</p>
3	<p>UC - 1,4,5; GPC – 1,4; PC - 1,2.</p>	<p>Principles of diagnosis, prevention, treatment and nursing care for diseases of internal organs. Methods and rules for the use of medical substances.</p>	<p>1. Observation and care of patients with diseases of different body systems.</p> <p>1. Observation and care of patients with respiratory diseases, counting the respiratory rate, supplying an oxygen pillow. The use of the Bobrov apparatus for the purpose of oxygen therapy. Providing first aid for coughing, an attack of bronchial asthma, hemoptysis and pulmonary bleeding, nosebleeds, chest pains. Collection of sputum for research. Prevention of respiratory diseases.</p> <p>2. Observation and care of patients with diseases of the circulatory system, measurement of blood pressure, pulse. First aid in case of pain in the heart or retrosternal, with palpitations, with a hypertensive crisis, with cardiac asthma and pulmonary edema. Prevention of diseases of the cardiovascular system.</p> <p>2. Observation and care of patients with diseases of the digestive system: gastric lavage, collection of vomit for research, the method of studying the secretory function of the stomach, the method of duodenal intubation, the technique of setting different types of enemas. First aid for gastric and intestinal bleeding, vomiting, poisoning. Preparation of the patient for X-ray examination of the stomach and FGDS. Insertion of a gas tube. Collection of feces for research (for occult blood, worm eggs, bacteriological examination. Preparation of the patient for irrigoscopy, sigmoidoscopy, colonoscopy, ultrasound of the abdominal organs. Prevention of diseases of the digestive system.</p> <p>4. Observation and care of patients with diseases of the kidneys and urinary tract. Urine collection for laboratory tests (general analysis, Nechiporenko, Kakovsky-Addis test, determination of urine glucose). Carrying out a test according to Zimnitsky, drawing up a research protocol. Preparing a patient for x-ray and ultrasound examination of the kidneys. First aid for renal colic. Prevention of diseases of the kidneys and urinary system.</p> <p>2. Care of seriously ill and agonizing patients.</p> <p>The concept of resuscitation. Technique of CPR and artificial respiration. Conducting chest compressions, Artificial ventilation. Rules for handling with the corpse. Statement of clinical and biological death and sending the corpse to the morgue.</p> <p>3. Ways of using medicinal substances. Rules for prescribing and storing medicines. Complications with drug administration. Parenteral administration of drugs. Technique of subcutaneous, intramuscular and intravenous injections.</p> <p>4. The role of a nurse in the formation of a healthy lifestyle and prevention of diseases of internal organs. The main risk factors in the development of diseases of internal organs. Health and disease.</p>

4	UC - 1,4,5; GPC – 1,4; PC - 1,2,3,4	Emergency conditions in nursing therapeutic practice. Emergency care and use of medications.	<p>1. Urgent conditions in pulmonology. Asthma attack, status asthmaticus. Pneumothorax. Causes, clinical manifestations, diagnostic methods, emergency care.</p> <p>2. Urgent conditions in cardiology. Pulmonary embolism. Acute cardiac arrhythmias and conduction disorders. Acute vascular insufficiency. Acute coronary insufficiency. Acute left ventricular failure (cardiac asthma). Hypertensive crisis. Causes, clinical manifestations, diagnostic methods, emergency care.</p> <p>3. Urgent conditions in gastroenterology. Acute gastric bleeding. Gallstone colic. Acute pancreatitis. Causes, clinical manifestations, diagnostic methods, emergency care.</p> <p>4. Urgent conditions in nephrology. Renal colic. Acute renal failure. Causes, clinical manifestations, diagnostic methods, emergency care.</p> <p>5. General medical emergencies. Fainting. Collapse. Shock. Causes, clinical manifestations, diagnostic methods, emergency care.</p>
---	-------------------------------------------	----------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	3
Classroom work, including	1,05	38	38
Lectures (L)	0,22	8	8
Laboratory practicum (LP)*	-	-	-
Practicals (P)	0,83	30	30
Seminars (S)	-	-	-
Student's individual work (SIW)		24	24
Mid-term assessment credit			
TOTAL LABOR INTENSITY	1,72	62	62

6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

№	Name of the section of the academic discipline	Types of academic work* (in AH)					
		L	LP	P	S	SIW	total
1	Introduction to the subject "Nursing in therapy"	2	-	5	-	4	11
2	Methods of nursing clinical examination of the patient. The importance of interviewing the patient. The value of physical methods of examination. The value of laboratory and instrumental methods in the diagnosis of internal pathology.	2	-	5	-	8	15
3	Principles of diagnosis, prevention, treatment and nursing care for diseases of internal organs. Methods and rules for the use of medical substances.	2	-	15	-	8	25
4	Emergency conditions in nursing therapeutic practice. Emergency care and use of medications.	2	-	5	-	4	11
	TOTAL	8	-	30	-	24	62

* - 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

№	Name of lecture topics	Volume in AH
		semester (3)
1	Introduction to the subject "Nursing in therapy". Aims and objectives of the discipline. Organization of the work of a nurse in therapy. Functions of a nurse. Nursing models. Ethics and deontology in the work of a nurse. Quality control of the work of a nurse.	2
2	Methods of nursing examination of patients and patient care. Stages of diagnosis. Importance of history taking for diagnosis.	2
3	The value of methods of physical examination of patients and laboratory and instrumental investigation in nursing.	2
4	Principles of diagnosis, prevention, treatment and nursing care for diseases of the internal organs.	2
	TOTAL (total – 52 AH)	8
	Nursing care in the primary health care system. Nursing care for patients in the polyclinic. The role of the nurse in the formation of a healthy lifestyle. The main risk factors in the development of diseases of internal organs. Prevention of diseases of internal organs.	2
	Emergency conditions in various diseases of internal organs in nursing practice. Urgent care.	2

6.2.2. Thematic plan of practicals

№	Name of the topics of practicals	Volume in AH
		semester (3)
1	Introduction in nursing in therapy. Task and goals of subject. Goals and objectives of the discipline. Fundamentals of diagnosis. Symptoms and syndromes. Stages and rules of diagnosis. Fundamentals of deontology in nursing practice. Methods and rules for the use of medicinal substances. Parenteral drug administration. Technique of subcutaneous, intramuscular and intravenous injections.	5
2	The role of a nurse in examination of a patient. Importance of taking history, physical examination, laboratory and instrumental investigations in diagnosis making of internal diseases	5
3	Supervision and nursing care in respiratory diseases. Diagnostics, prophylaxis, methods of nursing care. Respiratory rate. Sputum analysis. Urgent condition in pulmonology: BA attack, status asthmaticus, pneumothorax. Diagnostics, first aid.	5
4	Supervision and nursing care in cardiovascular diseases. Diagnostics, prophylaxis, methods of nursing care. Blood pressure, pulse assessment. Urgent condition in cardiology: acute coronary syndrome, Pulmonary embolism. Acute cardiac arrhythmias and conduction disorders. Acute vascular insufficiency. Acute coronary insufficiency. Acute left ventricular failure (cardiac asthma). hypertensive crisis. Diagnostics, first aid.	5
5	Supervision and nursing care in alimentary tract diseases. Diagnostics, prophylaxis, methods of nursing care. Gastric lavage, cleansing enema. Investigation of vomit, gastric juice, bile. Urgent condition in alimentary tract diseases: Acute gastric bleeding. Gallstone colic. Acute pancreatitis.. First aid	5
6	Supervision and nursing care in urinary tract diseases. Diagnostics. prophylaxis. methods of nursing care. Urine collecting for investigations. Urgent condition in nephrology: Renal colic. Acute renal failure.. First aid. Basics of cardiopulmonary resuscitation.	5
	TOTAL (total – 30 AH)	30

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

№	Types and topics of SIW	Volume in AH
		semester (3)
1	Search, review and study of literature, work with electronic educational resources on the topics of practical classes. Practical training of skills of parenteral drug administration. Development of techniques for subcutaneous, intramuscular and intravenous injections.	8
2	Practical training of palpation, percussion, auscultation, measurement of blood pressure, body temperature, pulse assessment, respiratory rate; interpretation of the results of blood tests, urine, feces, sputum.	6
3	Analysis of lecture material	4
4	The study of material submitted for independent study (separate topics), work with literary sources	4
5	Preparing for the final control	2
	TOTAL (total - 24 AH)	24

During the process of teaching the discipline, the following educational technologies are used:

1. Informational lecture, visualization-lecture.
2. Clinical practical exercises with the patient, requiring the use of practical skills, practical exercises in the simulation center for mastering the technique of injection manipulations.
3. The use of gaming technologies with the recreation of situations through educational, business and role-playing games.

Totally, 80% of interactive classes from the volume of classroom work.

Examples of educational technologies in interactive form:

1. Discussion of educational clinical case reports during the practical session.
2. Collective discussion of the anamnesis, symptoms, objective signs of the patient's disease based on the results of practical work at the patient's bedside - a seminar-discussion.

7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	Semester No.	Types of control	Name of section of academic discipline	Assessment formats			
				types	number of test questions	number of test task options	
1.	3	Current monitoring	Control of mastering the topic, Monitoring the student's individual work	Introduction to the subject "Nursing in therapy"	Test	10	Unlimited (computer testing)
					Report	1	10
			Control of mastering the topic, Monitoring the student's individual work, control of mastering practical skills	Methods of nursing clinical examination of the patient. The importance of interviewing the patient. The value of physical methods of examination. The value of laboratory and instrumental methods in the diagnosis of internal pathology.	Test	10	Unlimited (computer testing)
					Interview	1	According to the number of students in the group
					Testing practical skills	5	10
					Test	20	Unlimited (computer testing)
			Control of mastering the topic, Monitoring the student's individual work, control of mastering practical skills	Principles of diagnosis, prevention, treatment and nursing care for diseases of internal organs. Methods and rules for the use of medical	Personal Interviewing	1	15
					Tasks on the simulator	1	According to the number of students in the group
			Testing practical	10	10		

2.	3	Mid-term assessment	Credit	substances. Emergency conditions in nursing therapeutic practice. Emergency care and use of medications.	skills		
					Situational tasks	1	15
					control questions	3	50
					Test	20	Unlimited (computer testing)
					Personal Interviewing	1	15
					Tasks on the simulator	1	According to the number of students in the group
					Testing practical skills	5	10
					Situational tasks	1	15
					control questions	5	50
					Report	1	15
					Control questions	3	150
					Situational tasks	1	30

7.1 Examples of evaluation tools:

Questions for current control:

Introduction to the subject "Nursing in therapy"

1. Definition of discipline "Nursing in therapy"
2. Duties of the ward and procedural nurse of the therapeutic department.
3. Ethics and deontology in the work of a nurse.
4. The history of the development of nursing in Russia and abroad.
5. Main components and principles of health care in the Russian Federation.
6. Health systems in the world, the concept of insurance medicine.
7. Types of medical institutions, organization of work of medical institutions.
8. Risk factors for diseases of internal organs.
9. The role of a healthy lifestyle in the prevention and treatment of diseases of internal organs.
10. Main directions and types of prophylaxis.
11. Smoking, alcoholism and drug addiction as risk factors for the pathology of internal organs.

Methods of nursing clinical examination of the patient. The importance of questioning the patient. The value of physical methods of examination. The value of laboratory and instrumental methods in the diagnosis of internal pathology.

12. Rules for interviewing the patient
13. Definition of symptoms, syndromes.
14. Stages of clinical diagnosis
15. Methods of physical examination of the patient, their significance
16. Methods of laboratory and instrumental diagnostics, their significance

Methods and rules for the use of medicinal substances.

17. Ways of using medicines
18. How to set the sterile table in the treatment room
19. How to use a disposable syringe
20. How to correctly draw a drug into a syringe
21. How to properly deliver the syringe to the patient's bed
22. List the most convenient sites for subcutaneous, intramuscular and intravenous injections
23. What is the technique of intradermal injections
24. What is the technique of subcutaneous injections
25. What is the technique of intravenous injections
26. How to assemble and fill an IV drip system
27. Name the complications of subcutaneous, intramuscular and intravenous injections

Observation, principles of diagnosis, prevention, treatment and nursing care for diseases internal organs.

28. Shortness of breath. First aid for shortness of breath and choking
29. Rules of oxygen therapy
30. Safety precautions during filling an oxygen bag
31. Care of the patient with a cough
32. What is "drainage by position"?
33. Emergency care for hemoptysis and pulmonary hemorrhage
34. Care of patients with chest pain, fever and chills
35. Methods of administration of drugs in diseases of the respiratory system
36. Collection of sputum for laboratory testing.
37. Describe an attack of cardiac asthma and measures for emergency first aid in case of it.
38. Describe the features of an angina attack. Help the patient with angina pectoris.
39. Helping a patient with a heart attack.
40. Features of caring for patients with stomach pathology.
41. Features of the diet in diseases of the stomach and liver.
42. Emergency help for vomiting.
43. Signs of gastric bleeding and first aid for it.
44. How to send vomit for laboratory research?
45. Preparation of the patient for the study of the stomach
46. Methods and technique of gastric lavage.
47. Technique of duodenal sounding.
48. What is the care of patients after abdominal puncture?
49. Method of performing gastric sounding
50. Method of duodenal intubation
51. Tactics of a nurse with acute pain in the abdomen
52. Signs of intestinal bleeding and first aid for it
53. Indications and rules for setting a gas outlet tube
54. Rules for collecting feces for laboratory testing
55. Rules for preparing a patient for irrigoscopy
56. Preparing a patient for sigmoidoscopy
57. Siphon enema technique
58. Features of caring for patients with kidney pathology
59. Emergency care for renal colic
60. Bladder catheterization technique
61. Care of patients in a state of uremic coma
62. Rules for collecting a general urine test
63. What tests are used to determine the amount of cellular elements in the urinary sediment? Technique for their implementation
64. Features of collecting urine for glucose
65. Rules for the Zimnitsky test
66. Preparing a patient for examination of the kidneys and urinary tract
67. Preparing a patient for ultrasound of the kidneys
- Care of severe and agonizing patients. Fundamentals of cardiopulmonary resuscitation.*
68. Clinical signs of circulatory arrest.
69. What is "clinical death".
70. What relates to the main resuscitation measures.
71. Ensuring the patency of the upper respiratory tract.
72. Indirect cardiac massage.
73. Technique of artificial ventilation.
74. Specialized resuscitation.
75. Signs of biological death

76. Carrying out artificial respiration and indirect heart massage.

Examples of test tasks

1. Respiratory rate in bradypnea

- a) 20 or less per minute
- b) 12 or less per minute
- c) 30 or more per minute

2. The frequency of the pulse in tachycardia is:

- a) 60 or less per minute
- b) 70-80 beats per minute
- c) 80 or more beats per minute

3. The level of blood pressure for the diagnosis of hypertension corresponds to:

- a) 80/50
- b) 120/80
- c) 160/100

4. What are the methods of physical examination?

- a) percussion
- b) complete blood count
- c) electrocardiography

5. Which method of investigation is the main for the diagnosis of myocardial infarction?

- a) complete blood count
- b) electrocardiography
- c) X-ray of the lungs

6. What position of the patient is observed during an attack of cardiac asthma?

- a) lying on the back
- b) lying on the side
- c) sitting with legs down

7. What angle should the needle be inserted for intravenous injection?

- a) 90
- b) 45
- c) 25

8. What angle should the needle be inserted for intramuscular injection?

- a) 90
- b) 45
- c) 15

Questions for the credit:

1. The main tasks, arrangement and equipment of a medical institution.
2. Duties of the ward nurse of the therapeutic department.
3. Duties of the procedural nurse of the therapeutic department.
4. Ethics and deontology in the practice of a nurse.
5. The procedure for issuing medicines from a pharmacy and storing them. Rules for working with narcotic analgesics.
6. Technique for applying ointments, iodine.
7. Disinfection and pre-sterilization cleaning of medical instruments.

8. Preparation of cleaning solutions.
9. Carrying out subcutaneous injections. Possible complications.
10. Carrying out intramuscular injections. Possible complications.
11. Carrying out intravenous injections and infusions. Possible complications.
12. Measures to prevent HIV infection in medical institutions.
13. Treatment of the skin and mucous membranes when blood enters during medical procedures.
14. Taking a swab from the pharynx.
15. Collection of sputum for general analysis.
16. Taking sputum and pleural punctate for research on microflora.
17. Indications and rules for the use of a heating pad, an ice pack.
19. Gastric lavage and taking of washing water for research.
20. Statement of cleansing and medicinal enemas.
21. Duodenal intubation.
22. First aid for chest pain in the heart.
23. First aid in the event of a heart attack.
24. First aid in case of asthma. Use of a pocket inhaler.
25. First aid for fainting.
26. Measurement of the pulse.
27. Measurement of blood pressure, registration of results in the temperature sheet.
28. Applying a rubber band.
29. First aid for cough.
30. Measurement of respiratory rate.
31. Filling the oxygen bag and providing oxygen to the patient
32. First aid for hemoptysis and pulmonary hemorrhage.
33. First aid for nasal bleeding.
34. First aid for vomiting.
35. First aid for gastric bleeding.
36. First aid for poisoning.
37. First aid for intestinal bleeding.
38. Introduction of a colonic tube.
39. Collection of feces for research.
40. Preparation of the patient for X-ray examination of the stomach and fibrogastroscopy.
41. Preparation of the patient for irrigoscopy, sigmoidoscopy and colonoscopy.
42. Collection of urine for laboratory research.
43. Carrying out a test according to Zimnitsky, making a research protocol.
44. Preparation of the patient for x-ray and ultrasound examination of the kidneys.
45. First aid for renal colic.
46. Carrying out artificial respiration and indirect heart massage.

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		In the electronic catalog (yes/no)
		at the department	in the library	
1	Osloпов, V. N. General Care of a Patient : training manual / V. N. Osloпов, O. V. Bogoyavlenskaya. – Москва : GEOTAR-Media, 2021. – p. 208	-	PRMU Electronic Library	yes
2	comp., O. D. Nursing in the practice of internal	-	PRMU	yes

	diseases : textbook / O. D. comp, N. A. Khokhlacheva, M. V. Ya. – Izhevsk: IGMA, 2020. – p. 96		Electronic Library	
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. – p. 64	10	10	yes

8.2. Further reading

№	Name according to bibliographic requirements	Number of copies		In the electronic catalog (yes/no)
		at the department	in the library	
1	Clinical history taking and examination. - Welsby Philip D. Churchill Livingstone, 2002– 158p.	1	1	yes
2	Grice, T. Nursing : student's book / T. Grice, J. Greenan ; Grice Tony. – New York ; London : Oxford University Press, 2008. – 136 c.	-	19	
3	Oslopov, V. N. Case history of therapeutic patient : textbook / Oslopov V. N. ; Bogoyavlenskaya O. V. ; Oslopova Y. V. – Moscow: GEOTAR-Media, 2014. – p. 176 .	-	IELSU	yes
4	Medical-surgical nursing: lectures and practical classes / S. N. Avdonin, S. V. Mironov, Nizhny Novgorod State Medical Academy [et al.] ; Zagainov, Vladimir E. ; Zigmantovich Yuri M. ; Avdonin, Sergey N. ; Romanov Servey V. ; Mironov Sergey V. ; Nizhny Novgorod State Medical Academy. – N. Novgorod : Publishing House of NNSMA, 2011.	-	-	yes
5	Nursing : tutorial. - St. Petersburg: SPbSPMU, 2018. – 76 c.	-	IELSU	yes

8.3. List of guidelines for independent work of students:

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	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.	10	10
2	Bickley Lynn S. Bates' pocket guide to physical examination and history taking. Lippincott, 2013.	1	70
3	Gritsevskaya I.M. Learning to listen and understand the patient: a textbook on the study of Russian as a foreign language in clinical practice for foreign medical students. Publishing house of Nizhny State Medical Academy, 2014.. – p. 150.	1	155
4	Clinical history taking and examination.- Welsby Philip D. Churchill Livingstone,2002– 158p.	1	1

8.4. Electronic educational resources for teaching academic subjects

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

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Internal Electronic Library	research work of PRMU	Access by	Not limited

	System PRMU	staff (textbooks, manuals, collections of tasks, methodological manuals, laboratory work, monographs, etc.)	individual login and password from any computer and mobile device	
--	-------------	-------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------	--

8.4.2. Electronic educational resources acquired by the University

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Database "Medicine. Healthcare and "Medicine. Healthcare" as part of the database "Electronic library of a technical university (ELS "Student Consultant")	Textbooks and study guides for higher medical and pharmaceutical education.	Access by individual login and password from any computer and mobile device	Not limited
2	Database "Doctor's Consultant. Electronic Medical Library»	National guidelines, clinical guidelines, textbooks, monographs, atlases, reference books, etc.	Access by individual login and password from any computer and mobile device	Not limited
3	Database "Electronic Library System "BookUP"	Educational and scientific medical literature of Russian publishing houses, incl. translated editions. There is collection of subscription publications	Access by individual login and password from any computer and mobile device. From university computers - access is automatic.	Not limited
4	"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 databases of public access.	For PRMU, there is an access to the demo version of the search engine "Bibliopisk": http://bibliosearch.ru/pimu .	General subscription of PRMU
5	Domestic electronic periodicals	Periodicals on medical topics and higher education	- from the computers of the University on the platform of the electronic library eLIBRARY.RU -magazines publishing house	

			"Mediasphere" - from the library's computers or provided by the library at the request of the user [Electronic resource] - Access mode: https://elibrary.ru/	
6	International scientometric database "Web of Science Core Collection"	Web of Science covers materials on natural, technical, social sciences, humanities; takes into account the mutual citation of publications developed and provided by the company Thomson Reuters; has built-in search, analysis and management of bibliographic information.	Free access from PRMU computers [Electronic resource] - Access to the resource at: http://apps.webofknowledge.com	Free access from PRMU computers
7	Electronic library system "Lan"	Electronic versions of books, periodicals, materials on natural, technical sciences, humanities;	Access by individual login and password from any computer and mobile device https://e.lanbook.com/	Not limited

8.4.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions
1	ELS "Student Advisor"	The educational resource (www.studentlibrary.ru) for students of medical and pharmaceutical universities is an electronic library system (ELS) that provides access in the Internet to electronic versions of educational, scientific literature and additional materials	Free from any computer and mobile device.
2	«Free Medical Journals»	Catalog of links to foreign medical journals, open for free access to full texts of articles. http://www.freemedicaljournals.com/	Free from any computer and mobile device.
3	Free Books for Doctors	Books on medicine in English in the public domain http://www.freebooks4doctors.com/	Free from any computer and mobile device.
4	«High Wire. Library of the Sciences and Medicine»	The Stanford University Press website has a large database of journal articles. Some journals	Free from any computer and mobile device.

		are completely open for free access. http://highwire.stanford.edu/	
5	BioMed Central	Electronic archive of open access to the results of research in the field of medicine, biology and technology. The portfolio includes articles from over two hundred reviewed journals http://www.biomedcentral.com	Free from any computer and mobile device.
6	Oxford Medicine Online	A collection of Oxford Press' medical publications that brings together over 350 titles in a cross-searchable resource. Publications include The Oxford Handbook of Clinical Medicine and The Oxford Textbook of Medicine, which are constantly updated electronically. http://www.oxfordmedicine.com	Free from any computer and mobile device.
7	PubMed	Free search system in the largest medical bibliographic database MedLine. Documents medical and biological articles from the specialized literature, and also provides links to full-text articles. http://www.ncbi.nlm.nih.gov/pubmed/	Free from any computer and mobile device.

9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

1. Lecture hall with presentation equipment, multimedia complex (screen, laptop, projector).
2. Auditorium which is equipped with an interactive complex for practical classes and conferences.
3. Rooms for practical classes with students (3 audiences), information stands, computers, interactive boards, a multimedia complex, a slidescope, DVD films: methods of examining a patient in therapeutic practice, assessing vital signs, examining a patient with diseases of the respiratory system, cardiovascular system, with diseases of the gastrointestinal tract, with diseases of the joints, auscultation of the heart, auscultation of the lungs, heart murmurs.
4. Rooms for working with patients receiving medical care in the therapeutic, cardiology department, intensive care unit, polyclinic, the department of functional diagnostics and endoscopy.

9.2. List of equipment for classroom activities for the discipline

1. Information stands
2. Personal computers
3. Interactive board with a multimedia complex
4. TV
5. Slidescope
6. DVD films: methods of examining a patient in therapeutic practice, assessment of vital signs, examination of a patient with diseases of the respiratory system, cardiovascular system, diseases of the gastrointestinal tract, diseases of the joints, auscultation of the heart, auscultation of the lungs, heart murmurs.

7. Magnetic boards
8. Sets of thematic tables and multimedia visual materials for various sections of the discipline
9. A set of electrocardiograms, spiromograms, echocardiograms, radiographs, blood tests, urine, sputum
10. Medical documentation: medical history, outpatient card, logs of registration of admission and discharge of patients, log of procedural, post, night nurse, log of prescription of medicines, prescription log, prescription sheets, temperature sheet; referral forms to the laboratory (blood test, urine test, etc.), work schedule of middle and junior medical personnel, portions.
11. Medical instruments: forceps, Kocher clamp, Billroth, tweezers.
12. Bixes.
13. Gastric probes, duodenal probe.
14. Forms of drugs (drops, potions, tinctures, tablets, powders, suppositories, ampoules, bottled special solutions).
14. Systems for parenteral administration of drugs.
15. System for blood transfusion.
16. Syringes, needles, bottles with drugs for parenteral administration, sterile material.
17. Stopwatch.
18. Oxygen cushion.
19. Bobrov's apparatus.
20. Pocket inhalers.
21. Gas outlet tubes.
22. Enema mugs and balloons (Esmarch's mug).
23. Catheters.
24. Kidney-shaped coxa.
25. Models for intramuscular injections, for intravenous infusions, for setting enemas, bladder catheterization (in the center of practical skills)
26. Simulators for intravenous and intramuscular injections, cleansing enema, gastric lavage, bladder catheterization,
27. Simulators for practicing patient care skills (in the center of practical skills)
28. Simulator for basic cardiopulmonary resuscitation (in the center of practical skills)

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

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
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	Freely distributed	

				Foundation	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 (to be filled out by the template)

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
Name of the department

CHANGE REGISTRATION SHEET

working program for the academic discipline
NAME OF THE ACADEMIC DISCIPLINE

Field of study / specialty / scientific specialty: _____

(code, name)

Training profile: _____

(name) - for master's degree programs

Mode of study: _____

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