

ЛД-16 ИН

**Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy» Ministry of Health of the Russian Federation**



УТВЕРЖДАЮ

Ректор ФГБОУ ВО СОГМА

Минздрава России

О.В. Ремизов

«24» мая 2023 года

## WORKING PROGRAM OF DISCIPLINES

### « **Modern methods of examination of patients** »

of the main educational program of higher education – specialty programs in the specialty  
31.05.01 Medical care, approved on 24.05.2023 (educational program, partially  
implemented in English)

The form of training is full-time

The term of development of OPOP in 6 years

Department of Internal Diseases No. 1

When developing the work program, the disciplines are based on: The Federal State Educational Standard for the specialty 31.05.01 Medical business, approved by the Ministry of Education and Science of the Russian Federation on February 9, 2016. Curricula for the specialty 31.05.01 Medical business,

LD-16-03-17 ИИ

LD-16-04-18 ИИ

LD-16-05-19 ИИ

LD-16-06-20 ИИ

LD-21-01-21 ИИ

LD-21-02-22 ИИ

LD-21-03-23 ИИ

approved by the Academic Council of the Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation on May 24, 2023, 1, Protocol No. 8.

The working program of the discipline was approved at the meeting of the Department of Internal Diseases No. 1 dated on May 22, 2023, Protocol No. 10.

The working program of the discipline was approved at the meeting of the central coordinating educational and Methodological Council dated on May 23, 2023, Protocol No. 5.

The working program of the discipline was approved by the Academic Council of the Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation on May 24, 2023, Protocol No. 8.

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### **Contents of work programs**

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1. Name of the discipline;
2. A list of planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program;
3. indicating the place of the discipline in the structure of the educational program;
4. the volume of the discipline in credit units, indicating the number of academic or astronomical hours allocated for contact work between students and the teacher (by type of training) and for independent work of students;
5. the content of the discipline, structured by topics (sections) indicating the number of academic or astronomical hours allocated to them and the types of training sessions;
6. a list of educational and methodological support for students' independent work in the discipline;
7. a fund of assessment funds for conducting intermediate certification of students in the discipline;
8. a list of basic and additional educational literature necessary for mastering the discipline;
9. a list of resources of the information and telecommunications network "Internet" (hereinafter referred to as the "Internet") necessary for mastering the discipline;
10. methodological instructions for students on mastering the discipline;
11. a list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);
12. description of the material and technical base necessary for the implementation of the educational process in the discipline.
13. conducting educational activities using e-learning and distance learning technologies.

**2. List of planned learning outcomes in the discipline and results of mastering the educational program**

No .	Number/index competencies	Contents of competence (or parts thereof)	Topic of the lesson (section)	Indicators of achievement competencies	Development results		
					know	be able to	own
1	2	3	4	5	6	7	8
1	OPK-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	Introduction. Subject and tasks of nursing	<p>ID-1 OPK-1 Complies with moral and legal standards in professional activities.</p> <p>ID-2 OPK-1 Presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology</p>	Moral and ethical standards, rules and principles of professional medical behavior, rights of the patient and doctor, ethical foundations of modern medical legislation; place, responsibilities, rights of a doctor in society	To navigate the current regulatory and legal acts; build and maintain working relationships with other team members, maintain medical confidentiality	Communication skills with patients and their relatives, with colleagues, junior and nursing staff; skills to inform patients and their relatives in accordance with the requirements of the rule "informed consent"
2	OPK-5	Capable evaluate morphofunctional new, physiological condition and pathological processes in human body for solutions professional tasks	Introduction. Subject and nursing tasks	ID-3 OPK-5 Defines morphofunctional, physiological condition and pathological body processes person	Moral and ethical standards, rules and principles of professional medical behavior, rights of the patient and doctor, ethical foundations of modern medical legislation; place, responsibilities, rights of a doctor in society	To navigate the current regulatory and legal acts; build and maintain working relationships with other team members, maintain medical confidentiality	Communication skills with patients and their relatives, with colleagues, junior and nursing staff; skills to inform patients and their relatives in accordance with the requirements of the rule "informed consent"

3	PK-6	Maintaining medical records and organizing the activities of nursing staff	Introduction. Subject and tasks of nursing	<p>ID-3 PC-6 Works with personal data of patients and information constituting medical confidentiality</p> <p>ID-5 PC-6 Fills out medical documentation, including in electronic form</p>	Moral and ethical standards, rules and principles of professional medical behavior, rights of the patient and doctor, ethical foundations of modern medical legislation; place, duties, doctor's rights in society	To navigate the current regulatory and legal acts; build and maintain working relationships with other team members, maintain medical confidentiality	Communication skills with patients and their relatives, with colleagues, junior and nursing staff; skills to inform patients and their relatives in accordance with the requirements of the rule “informed consent”
4	OPK-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	Questioning the patient (main and additional complaints), medical history, life history	<p>ID-1 GPC-1 Complies with moral and legal standards in professional activities.</p> <p>ID-2 OPK-1 Presents professional information in the process of intercultural interaction, observing the principles ethics and deontology</p>	Methodology for interviewing a patient	Determine the patient’s status: interview the patient and/or his relatives	Methodology for interviewing a patient
5	OPK-5	Capable of assessing morphofunctional, physiological states and pathological processes in human body	Questioning the patient (main and additional complaints), medical history, life history	ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body	Methodology for interviewing a patient	Determine the patient’s status: interview the patient and/or his relatives	Methodology for interviewing a patient

		for solving professional problems					
6	PC-2	Conducting a patient examination to establish a diagnosis	Questioning the patient (main and additional complaints), medical history, life history	ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received	Methodology for interviewing a patient	Determine the patient's status: interview the patient and/or his relatives	Methodology for interviewing a patient
7	PK-6	Maintaining medical records and organizing the activities of nursing staff	Questioning the patient (main and additional complaints), medical history, life history	ID-3 PC-6 Works with personal data of patients and information constituting medical confidentiality  ID-5 PC-6 Fills out medical documentation, including in electronic form	Methodology for interviewing a patient	Determine the patient's status: interview the patient and/or his relatives	Methodology for interviewing a patient
8	OPK-5	Capable of assessing morphofunctional, physiological conditions and pathological processes in the human body to solve professional	General examination of the patient. Constitutional body types	ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (general examination, determination of constitutional body type)	Methods of general clinical and physical examination, combining symptoms into pathological syndromes

		tasks					
9	PC-2	Conducting a patient examination to establish a diagnosis	General examination of the patient. Constitutional body types	ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (general examination, determination of constitutional type physique)	Methods of general clinical and physical examination, combining symptoms into pathological syndromes
10	PK-6	Maintaining medical records and organizing the activities of nursing staff	General examination of the patient. Constitutional body types	ID-3 PC-6 Works with personal data of patients and information constituting medical confidentiality  ID-5 PC-6 Fills out medical documentation, including in electronic form	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (general examination, determination of constitutional body type)	Methods of general clinical and physical examination, combining symptoms into pathological syndromes
eleven	OPK-5	Capable of assessing morphofunctional, physiological states and pathological processes in human body	Body temperature. Types of fever	ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body	The concept of thermometry. Stages of fever. Types of thermometers. Locations for measuring body temperature	Measure body temperature. Determine the type of temperature curve	Interpret thermometry results and record the data on a temperature sheet

		for solving professional problems					
12	PC-2	Conducting a patient examination to establish a diagnosis	Body temperature. Types of fever	ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received	The concept of thermometry. Stages of fever. Types of thermometers. Locations for measuring body temperature	Measure body temperature. Determine the type of temperature curve	Interpret thermometry results and record the data on a temperature sheet
13	PK-6	Maintaining medical records and organizing the activities of a secondary medical personnel	Body temperature. Types of fever	ID-5 PC-6 Fills out medical documentation, including in electronic form	The concept of thermometry. Stages of fever. Types of thermometers. Locations for measuring body temperature	Measure body temperature. Determine the type of temperature curve	Interpret thermometry results and record the data on a temperature sheet
14	OPK-5	Capable of assessing morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems tasks	Examination of the face, neck	ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body	Methodology for conducting a physical examination and clinical examination of a patient	Determine patient status: Perform a physical examination of the patient (examination of the face and neck)	Interpret the data obtained, understand their diagnostic value
15	PC-2	Carrying out	Examination of the face, neck	ID-1 PC-2	Methodology	Define	Interpret



		examination of the patient to establish a diagnosis		<p>Collects complaints, medical history and illness of the patient and analyzes the information received</p> <p>ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results</p>	conducting a physical examination and clinical examination of the patient	Patient status: Perform a physical examination of the patient (examination of the face and neck)	the data obtained, understand their diagnostic value
16	PK-6	Maintaining medical records and organizing the activities of a secondary medical personnel	Examination of the face, neck	ID-5 PC-6 Fills out medical documentation, including in electronic form	Methodology for conducting a physical examination and clinical examination of a patient	Determine patient status: Perform a physical examination of the patient (examination of the face and neck)	Interpret the data obtained, understand their diagnostic value
17	OPK-5	Capable of assessing morphofunctional, physiological states and pathological processes in	Examination of the skin, elements of skin rashes and lesions	ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (examination of the skin and visible mucous membranes)	Interpret the data obtained, understand their diagnostic value

		human body to solve professional problems					
18	PC-2	Conducting a patient examination to establish a diagnosis	Examination of the skin, elements of skin rashes and lesions	ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (examination of the skin and visible mucous membranes)	Interpret the data obtained, understand their diagnostic value
19	PK-6	Maintaining medical records and organizing the activities of a secondary medical personnel	Examination of the skin, elements of skin rashes and lesions	ID-5 PC-6 Fills out medical documentation, including in electronic form	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (examination of the skin and visible mucous membranes)	Interpret the data obtained, understand their diagnostic value
20	OPK-5	Capable of assessing morphofunctional, physiological conditions and pathological processes in the human body to solve professional	Assessment of subcutaneous fat tissue	ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (assess the condition of the subcutaneous fat, determine the severity)	Interpret the data obtained, understand their diagnostic value

		tasks				edema and their origin)	
21	PC-2	Conducting a patient examination to establish a diagnosis	Assessment of subcutaneous fat tissue	ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (assess the condition of subcutaneous fat, determine the severity edema and their origin)	Interpret the data obtained, understand their diagnostic value
22	PK-6	Maintaining medical records and organizing the activities of nursing staff	Assessment of subcutaneous fat tissue	ID-5 PC-6 Fills out medical documentation, including in electronic form	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (assess the condition of subcutaneous fat, determine the severity edema and their origin)	Interpret the data obtained, understand their diagnostic value
23	OPK-5	Able to assess morphofunctional, physiological states and pathological processes in	Assessment of the musculoskeletal system and joints. The lymph nodes:inspection and palpation	ID-3 OPK-5 Determines morphofunctional, physiological and pathological conditions	Methodology for physical examination and clinical examination sick	Determine patient status: Perform a physical examination of the patient (estimate	Interpret the data obtained, understand their diagnostic value

		human body to solve professional problems		human body processes		condition of subcutaneous fat, determine the severity of edema and its origin)	
24	PC-2	Conducting a patient examination to establish a diagnosis	Assessment of the musculoskeletal system and joints. Lymph nodes: inspection and palpation	ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (assess the condition of subcutaneous fat, determine the severity edema and their origin)	Interpret the data obtained, understand their diagnostic value
25	PK-6	Maintaining medical records and organizing the activities of nursing staff	Assessment of the musculoskeletal system and joints. Lymph nodes: inspection and palpation	ID-5 PC-6 Fills out medical documentation, including in electronic form	Methodology for conducting a physical examination and clinical examination of a patient	Determine the patient's status: conduct a physical examination of the patient (assess the condition of subcutaneous fat, determine the severity edema and their origin)	Interpret the data obtained, understand their diagnostic value
26	OPK-5	Able to evaluate	Nursing process for diseases	ID-1 OPK-5 Masters the clinical algorithm	Methodology of survey and identification basic and	General examination and chest examination cells.	Understand diagnostic meaning

		morphofunctional, physiological states and pathological processes in the human body to solve professional problems	respiratory organs	<p>laboratory and functional diagnostics when solving professional problems.</p> <p>ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body</p>	additional complaints in patients with respiratory diseases		identified chest deformities. Diagnostic value of chest pain. Know the emergency care algorithm
27	PC-1	Providing emergency or emergency medical care to a patient	Nursing process for respiratory diseases	<p>ID-1 PC-1 Identifies clinical signs of conditions requiring emergency medical care</p> <p>ID-2 PC-1 Performs activities on</p>	Methodology for questioning and identifying main and additional complaints in patients with respiratory diseases	General examination and chest examination.	Understand the diagnostic significance of identified chest deformities. Diagnostic value of chest pain. Know the algorithm providing

				providing emergency medical care			urgenthelp.
28	PC-2	Conducting a patient examination to establish a diagnosis	Nursing process for respiratory diseases	<p>ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received</p> <p>ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results</p>	Methodology for surveying and identifying main and additional complaints in patients with respiratory diseases	General examination and chest examination.	<p>Understand the diagnostic significance of identified chest deformities.</p> <p>Diagnostic value of chest pain. Know the emergency care algorithm.</p>
29	PK-6	Maintaining medical records and organizing the activities of nursing staff	Nursing process for respiratory diseases	ID-5 PC-6 Fills in medical documentation, including in electronic form	Methodology for surveying and identifying main and additional complaints in patients with respiratory diseases	General examination and chest examination.	<p>Understand the diagnostic significance of identified chest deformities.</p> <p>Diagnostic value of chest pain. Know the algorithm providing</p>

							urgent help.
thirty	OPK-5	Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional problems	Nursing process for diseases of the circulatory system	<p>ID-1 OPK-5 Masters the algorithm for clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the body person</p>	<p>Methodology for surveying and identifying main and additional complaints in patients with circulatory diseases.</p> <p>Methodology for studying arterial pulse and blood pressure using the Korotkov method.</p> <p>The concept of arterial hypertension and hypotension</p>	<p>General examination and examination of the heart and cervical vessels. Determine the properties of arterial pulse and blood pressure using the Korotkov method.</p> <p>Edema assessment</p>	<p>Understand the diagnostic significance and be able to interpret the identified changes.</p> <p>Diagnostic value of pain in the heart area.</p> <p>Know the algorithm emergency care</p>
31	PC-1	Providing emergency or emergency medical care to a patient	Nursing process for diseases of the circulatory system	ID-1 PC-1 Identifies clinical signs of conditions requiring emergency medical care	Methodology for surveying and identifying main and additional complaints in patients with diseases organs	<p>General examination and examination of the heart and cervical vessels.</p> <p>Define Properties</p>	<p>Understand the diagnostic significance and be able to interpret the identified changes.</p> <p>Diagnostic</p>

				<p>ID-2 PC-1 Performs emergency medical care measures</p>	<p>blood circulation Methodology for studying arterial pulse and blood pressure using the Korotkov method. The concept of arterial hypertension and hypotension</p>	<p>arterial pulse and blood pressure using the Korotkoff method. Edema assessment</p>	<p>meaning of pain in the heart area. Know the algorithm providing emergency help</p>
32	PC-2	Conducting a patient examination to establish a diagnosis	Nursing process for diseases of the circulatory system	<p>ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received</p> <p>ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results</p>	<p>Methodology for surveying and identifying main and additional complaints in patients with circulatory diseases. Methodology for studying arterial pulse and blood pressure using the Korotkov method. The concept of arterial hypertension and hypotension</p>	<p>General examination and examination of the heart and cervical vessels. Determine the properties of arterial pulse and blood pressure using the Korotkov method. Edema assessment</p>	<p>Understand the diagnostic significance and be able to interpret the identified changes. Diagnostic value of pain in the heart area. Know the algorithm providing emergency help</p>
33	PK-6	Maintaining medical records and	Nursing process for diseases of the circulatory system	ID-5 PC-6 Fills in medical documentation, including	Methodology for surveying and identifying the main and additional	General examination and examination of the heart area and cervical	Understand the diagnostic value and be able to interpret



		organization of activities of paramedical personnel at their disposal		number in electronic form	complaints in patients with circulatory diseases. Methodology for studying arterial pulse and blood pressure using the Korotkov method. The concept of arterial hypertension and hypotension	vessels. Determine the properties of arterial pulse and blood pressure using the Korotkov method. Edema assessment	b identified changes. Diagnostic value of pain in the heart area. Know the algorithm providing emergency help
34	OPK-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	Nursing process for diseases of the digestive organs and hepatobiliary system	ID-1 OPK-1 Complies with moral and legal standards in professional activities. ID-2 OPK-1 Presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	Methodology for surveying and identifying main and additional complaints in patients with diseases of the digestive system. Methodology for determining jaundice, ascites, edema, impaired consciousness, signs of bleeding. Stool disorders (diarrhea, constipation and their varieties)	General examination and examination of the abdomen Identify jaundice, ascites, edema, disturbances of consciousness (“hepatic” coma), signs of bleeding.	Understand the diagnostic significance of pain, dyspeptic syndromes, dysphagia and be able to interpret the identified changes. Know emergency care algorithm
	OPK-5	Capable of assessing morphofunctional,	Nursing process for diseases of the digestive organs and hepatobiliary system	ID-1 OPK-5 Masters the clinical, laboratory and functional algorithm	Methodology for surveying and identifying basic and additional complaints from patients	General examination and examination of the abdomen Detect jaundice, ascites,	Understand the diagnostic significance of pain, dyspepsia syndromes,

						swelling, disorders	
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		physiological conditions and pathological processes in the human body to solve professional problems		<p>diagnostics when solving professional problems.</p> <p><b>ID-2 OPK-5</b> Evaluates the results of clinical, laboratory and functional diagnostics when solving professional problems.</p> <p><b>ID-3 OPK-5</b> Determines morphofunctional, physiological states and pathological processes of the human body</p>	with diseases of the digestive system. Methodology for determining jaundice, ascites, edema, impaired consciousness, signs of bleeding. Stool disorders (diarrhea, constipation and their varieties)	consciousness (“hepatic” coma), signs of bleeding.	dysphagia and be able to interpret the detected changes. Know rendering algorithm urgent help
35	PC-1	Providing emergency or emergency medical care to a patient	Nursing process for diseases of the digestive organs and hepatobiliary system	<p><b>ID-1 PC-1</b> Identifies clinical signs of conditions requiring emergency medical care</p> <p><b>ID-2 PC-1</b> Performs medical care activities</p>	Methodology for surveying and identifying main and additional complaints in patients with diseases of the digestive system. Methodology for determining jaundice, ascites, edema, impaired consciousness, signs of bleeding. Stool disorders	General examination and examination of the abdomen Identify jaundice, ascites, edema, disturbances of consciousness (“hepatic” coma), signs of bleeding.	Understand the diagnostic significance of pain, dyspeptic syndromes, dysphagia and be able to interpret the identified changes. Know the emergency care algorithm help

				in an emergency	(diarrhea, constipation and their varieties)		
36	PC-2	Conducting a patient examination to establish a diagnosis	Nursing process for diseases of the digestive organs and hepatobiliary system	<p>ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received</p> <p>ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results</p>	<p>Methodology for surveying and identifying main and additional complaints in patients with diseases of the digestive system.</p> <p>Methodology for determining jaundice, ascites, edema, impaired consciousness, signs of bleeding.</p> <p>Stool disorders (diarrhea, constipation and their varieties)</p>	<p>General examination and examination of the abdomen Identify jaundice, ascites, edema, disturbances of consciousness (“hepatic” coma), signs of bleeding.</p>	<p>Understand the diagnostic significance of pain, dyspeptic syndromes, dysphagia and be able to interpret the identified changes.</p> <p>Know the emergency care algorithm help</p>
37	PK-6	Maintaining medical records and organizing the activities of nursing staff	Nursing process for diseases of the digestive organs and hepatobiliary system	ID-5 PC-6 Fills in medical documentation, including in electronic form	<p>Methodology for surveying and identifying main and additional complaints in patients with diseases of the digestive system.</p> <p>Methodology for determining jaundice, ascites, edema, impaired consciousness, signs of bleeding.</p> <p>Stool disorders (diarrhea, constipation and</p>	<p>General examination and examination of the abdomen Identify jaundice, ascites, edema, disturbances of consciousness (“hepatic” coma), signs of bleeding.</p>	<p>Understand the diagnostic significance of pain, dyspeptic syndromes, dysphagia and be able to interpret the identified changes.</p> <p>Know the emergency care algorithm help</p>

					their varieties)		
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38	OPK-5	Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional problems	Nursing process for diseases of the urinary system	<p>ID-1 OPK-5 Masters the algorithm for clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the body person</p>	Methodology for questioning and identifying main and additional complaints, main syndromes and symptoms of kidney damage	General examination and examination of the lumbar region: features of appearance with uremia, edema, pain, etc. syndromes. Determination of blood pressure, features of increased pressure in kidney diseases, eclamptic convulsions	Understand the diagnostic significance and be able to interpret the identified changes. Know the emergency care algorithm
39	PC-1	Providing emergency or emergency medical care to a patient	Nursing process for diseases of the urinary system	<p>ID-1 PC-1 Identifies clinical signs of conditions requiring emergency medical care</p> <p>ID-2 PC-1 Performs</p>	Methodology for questioning and identifying main and additional complaints, main syndromes and symptoms of kidney damage	General examination and examination of the lumbar region: features of appearance with uremia, swelling, pain etc. syndromes.	Understand the diagnostic significance and be able to interpret the identified changes. Know the emergency care algorithm

				emergency medical care measures		Determination of blood pressure, features of increased pressure in kidney diseases, eclamptic convulsions	
40	PC-2	Conducting a patient examination to establish a diagnosis	Nursing process for diseases of the urinary system	<p>ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received</p> <p>ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results</p>	Methodology for questioning and identifying main and additional complaints, main syndromes and symptoms of kidney damage	General examination and examination of the lumbar region: features of appearance with uremia, edema, pain, etc. syndromes. Determination of blood pressure, features of increased pressure in kidney diseases, eclamptic convulsions	Understand the diagnostic significance and be able to interpret the identified changes. Know the emergency care algorithm
41	PK-6	Maintaining medical records and organizing the activities of nursing staff	Nursing process for diseases of the urinary system	ID-5 PC-6 Fills in medical documentation, including in electronic form by employees	Methodology for questioning and identifying main and additional complaints, main syndromes and symptoms of kidney damage	General examination and examination of the lumbar region: features of appearance with uremia, edema, pain, etc. syndromes. Determination of blood pressure, features	Understand the diagnostic significance and be able to interpret the identified changes. Know the emergency care algorithm

						increased blood pressure in kidney diseases, eclamptic convulsions	
42	OPK-5	Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional problems	Nursing process for diseases of the endocrine system	<p>ID-1 OPK-5 Masters the algorithm for clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the body person</p>	Questioning and identifying main and additional complaints, main symptoms and syndromes.	General examination and examination of the thyroid gland: features of appearance in diabetes mellitus, diffuse toxic goiter, hypothyroidism, etc.	<p>Understand the diagnostic significance and be able to interpret the identified changes.</p> <p>Emergency measures and first aid for comatose states due to diabetes mellitus, thyrotoxic crisis</p>
43	PC-1	Providing medical care to a patient urgent or emergency forms	Nursing process for diseases of the endocrine system	ID-1 PC-1 Identifies clinical signs of conditions, requiring medical care	Questioning and identifying basic and additional complaints, main symptoms and	General inspection and examination thyroid gland:	Understand the diagnostic meaning and be able to interpret identified



						features	
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				<p>in an emergency</p> <p>ID-2 PC-1 Performs emergency medical care measures</p>	syndromes.	appearance in diabetes mellitus, diffuse toxic goiter, hypothyroidism, etc.	changes. Urgent measures and first help with comatose states due to diabetes mellitus, thyrotoxiccrisis
44	PC-2	Conducting a patient examination to establish a diagnosis	Nursing process for diseases of the endocrine system	<p>ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received</p> <p>ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results</p>	Questioning and identifying main and additional complaints, main symptoms and syndromes.	General examination and examination of the thyroid gland: features of appearance in diabetes mellitus, diffuse toxic goiter, hypothyroidism, etc.	Understand the diagnostic meaning and be able to interpret identified changes. Urgent measures and first help with comatose states due to diabetes mellitus, thyrotoxic crisis
45	PK-6	Maintaining medical records and organizing the activities of the secondary	Nursing process for diseases of the endocrine system	<p>ID-1 PC-6 Draws up a work plan and a report on his work, draws up a medical passport(therapeutic) area</p> <p>ID-5 PC-6 Fills in medical</p>	Questioning and identifying main and additional complaints, main symptoms and syndromes.	General examination and examination of the thyroid gland: features of appearance during sugar	Understand the diagnostic significance and be able to interpret the identified changes. Urgent activities and first aid

		medical personnel		documentation, including in electronic form for employees		diabetes, diffuse toxic goiter, hypothyroidism and etc.	in comatose states due to diabetes mellitus,
46	OPK-5	Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional problems	Nursing process for diseases of the hematopoietic system	<p>ID-1 OPK-5 Masters the algorithm for clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body</p>	Survey and identification of key and additional complaints, main syndromes and symptoms of damage to the hematopoietic organs. Concept of bleeding	General examination and appearance features for various types of anemia and other diseases of the hematopoietic organs	Understand the diagnostic significance and be able to interpret the identified changes. Emergency measures and first aid for bleeding
47	PC-1	Providing medical helping the patient in	Nursing process for diseases hematopoietic systems	ID-1 PC-1 Detects clinical signs states,	Survey and identification of key and additional	General inspection and features	Understand the diagnostic value and be able to

		urgent or emergency forms		requiring emergency medical care  ID-2 PC-1 Performs medical care activities in an emergency	complaints, main syndromes and symptoms of damage to the hematopoietic organs. Concept of bleeding	appearance for various types of anemia and other diseases of the hematopoietic organs	interpret the identified changes. Emergency measures and first aid for bleeding
48	PC-2	Conducting a patient examination to establish a diagnosis	Nursing process for diseases of the hematopoietic system	ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received  ID-2 PC-2 Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results	Survey and identification of key and additional complaints, main syndromes and symptoms of damage to the hematopoietic organs. Concept of bleeding	General examination and appearance features for various types of anemia and other diseases of the hematopoietic organs	Understand the diagnostic significance and be able to interpret the identified changes. Emergency measures and first aid for bleeding
48	PK-6	Maintaining medical records and organizing activities	Nursing process for diseases of the hematopoietic system	ID-5 PC-6 Fills in medical documentation, including in electronic form	Survey and identification of key and additional complaints, main syndromes and symptoms	General inspection and appearance features when various	Understand the diagnostic value and be able to interpret the findings changes.

		at the disposal of nursing staff			damage to the hematopoietic organs. Concept of bleeding	types of anemia and other diseases of the hematopoietic organs and I	Emergency measures and first aid for bleeding
49	OPK-5	Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional problems	Nursing process of severe and dying patients	<p>ID-1 OPK-5 Masters the algorithm for clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics when solving professional problems.</p> <p>ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body</p>	The concept of resuscitation. Acutevascular insufficiency (fainting, collapse, shock)	General examination and appearance features in life-threatening conditions (acute blood loss, respiratory failure, cardiac arrest, coma, shock).	Understand the diagnostic significance and be able to interpret the identified changes. Methods of chest compressions and artificial ventilation. Anti-shock measures
50	PC-1	Providing medical helping the patient in	Nursing process of the severe and agonizing sick	ID-1 PC-1 Detects clinical signs states,	The concept of resuscitation.	General inspection and appearance features when	Understand the diagnostic value and be able

					Acute vascular		to
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		urgent or emergency forms		<p>requiring emergency medical care</p> <p>ID-2 PC-1 Performs emergency medical care measures</p> <p>ID-3 PC-1 Identifies conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing</p>	failure (fainting, collapse, shock)	life-threatening conditions (acute blood loss, respiratory failure, cardiac arrest, coma, shock).	interpret the identified changes. Methods of chest compressions and artificial ventilation. Anti-shock measures
51	PC-2	Conducting a patient examination to establish a diagnosis	Nursing process of severe and dying patients	<p>ID-1 PC-2 Collects complaints, medical history and illness of the patient and analyzes the information received</p> <p>ID-2 PC-2 Conducts a complete physical examination</p>	The concept of resuscitation. Acute vascular insufficiency (fainting, collapse, shock)	General examination and appearance features in life-threatening conditions (acute blood loss, respiratory failure, cardiac arrest, coma, shock).	Understand the diagnostic significance and be able to interpret the identified changes. Methods of chest compressions and artificial ventilation. Anti-shock measures

				patient (examination, palpation, percussion, auscultation) and interprets its results			
52	PK-6	Maintaining medical records and organizing the activities of nursing staff	Nursing process of severe and dying patients	ID-5 PC-6 Fills in medical documentation, including in electronic form by employees	The concept of resuscitation. Acute vascular failure (fainting, collapse, shock)	General examination and appearance features in life- threatening conditions (acute blood loss, respiratory failure, arrest heart, coma, shock).	Understand the diagnostic significance and be able to interpret the identified changes. Methods of chest compressions and artificial ventilation. Anti-shock measures

### 3. Place of discipline in the structure of the educational program

The discipline “**Modern methods of examination of patients**” is a discipline of Block 1 of the Federal State Educational Standard for Higher Education in the specialty 31.05.01 “General Medicine”



#### 4. Scope of discipline

№p /P	Type of work	Total credits	Total hours	Semester
				6
				Number of hours
1	2	3	4	5
1. _	Contact Job students Withteacher (total), including:	-	25	25
2. _	Lectures (L)	-	6	6
3. _	Clinical Practical Exercises (CP)	-	38	38
4. _	Seminars (C)	-	-	-
5. _	Laboratory work (LR)	-	-	-
6. _	Student independent work (SWS)	-	11	11
7. _	Type of intermediate certification	test (G)	-	test
		exam (E)	-	-
8. _	TOTAL: Total labor intensity	hours	-	36
		ZET	1	1

#### 5. Contents of the discipline

No .	No. semester	Name of the topic (section) of the discipline	Types of educational activities (in hours)					Forms of ongoing progress monitoring
			L	LR	PZ	SRS	Total	
1	2	3	4	5	6	7	8	9
1.		Fundamentals of Nursing	12		38	22	72	S, DZ, T, KR, PR
<b>TOTAL:</b>							<b>72</b>	

#### 6. List of educational and methodological support for independent work of students in the discipline

No .	No. semester	Name of educational and methodological development
1.	3	Khetagurova Z.V., Totrov I.N., Medoeva A.A. Methodological recommendations for practical classes and independent work of students in general care sick. Vladikavkaz, 2003
2.		Totrov I.N., Khetagurova Z.V., Ambalova S.A., Gabaraeva L.N. and others. Test control for general care of therapeutic patients. Vladikavkaz, 2007
3.		Totrov I.N., Khetagurova Z.V., Enaldieva R.V., Ambalova S.A. etc. "Physical patient monitoring" (part 1). Vladikavkaz, 2013
4.		Totrov I.N., Khetagurova Z.V., Enaldieva R.V., Ambalova S.A. and others. "Physical monitoring of the patient" (part 2). Vladikavkaz, 2013

#### 7. Assessment materials for conducting intermediate certification of students in the discipline

No .	List of competencies	No. seven months	Assessment Indicator(s)	Evaluation criterion(s)	Grading scale	Name of assessment materials
1	2	3	4	5	6	7
1.	OPK-1 OPK-5	3	See quality assessment standard	See quality assessment standard	See standard assessment	Evaluation materials for

PC-1 PC-2 PC-6		education, approved By order of FSBEI HE SOGMA Ministry of Health of Russia No. 264/o dated July 10, 2018	education, approvedBy order of FSBEI HE SOGMA Ministry of HealthRus sia No. 264/o dated July 10, 2018	quality of education, approved by the Order of the Federal State Budgetary Educationa l Institution of Higher Education SOGMA Ministry of Health of Russia No. 264/o from 07/10/20 18	discipline “Fundament als of Nursing” for 2nd year students of the Faculty of Medicine
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### 8. List of basic and additional educational literature necessary for mastering the discipline

p/no.	Name	Authors)	Year, place of publicati on	Number of copies	
				in bib Lyotheq ue	at the departm ent
1	2	3	4	5	6
<b>Main literature</b>					
1.	“Physical monitoring of the patient” (part 1)	Totrov I.N., Khetagurova Z.V., Enaldieva R.V. Ambalova S.A. and etc.	2013, Vladikavkaz	Email option	3
2.	“Physical monitoring of the patient” (part 2)	Totrov I.N., Khetagurova Z.V., Enaldieva R.V. Ambalova S.A. and etc.	2013, Vladikavkaz	Email option	3
3.	Propaedeutics of internal diseases: Textbook. – 5th ed., revised. and additional	Grebenev A.L.	2013., M.: Medicine	50	2
4.	Propaedeutics of internal diseases: Textbook.	Mukhin N.A., Moiseev V.S.	2005, M. "GEOTAR- Media"	83	2
			2012, M. "GEOTAR- Media"	100	2
			2015, M. "GEOTAR- Media"		
5.	Fundamentals of semiotics of diseases of internal organs: Textbook. allowance — 2nd ed., revised. and additional	A.V. Strutynsky, A.P. Baranov, G.E. Roitberg, Yu.P. Gaponenkov.	2007, M.: MEDpressi nform	32	2
			2008, M.: MEDpressi nform	240	2

			2009, M.: MEDpressi nform	eleven	2
			2011, M.: MEDpressi nform	24	2
			2013, M.: MEDpressi nform	61	2

			2015, M.: MEDpressi nform	4	2
6.	Propaedeutics of internal diseases. Workshop: Educational and methodological manual.	Ivashkin V.T.	2007, Moscow: LITERA	7	1
7.	General nursing care in a therapeutic clinic General nursing care in a therapeutic clinic	Oslopov V.N. Oslopov V.N.	2004, M. "GEOTAR- Media"	1	1
			2005, M. "GEOTAR- Media"	1	1
			2006, M. "GEOTAR- Media"	246	5
			2007, M. "GEOTAR- Media"	3	1
			2008, M. "GEOTAR- Media"	8	1
			2009, M. "GEOTAR- Media"	65	3
			2013, M. "GEOTAR- Media"	20	2
			2014, M. "GEOTAR- Media"	46	2
			2015, M. "GEOTAR- Media"	5	1

additional literature					
1	Methodological recommendations for practical classes and independent work of students in general nursing	Khetagurova Z.V., Totrov I.N., Medoeva A.A.	2003, Vladikavkaz	Email option	23
2	Test control for general care of therapeutic patients	Totrov I.N., Khetagurova Z.V., Ambalova S.A., Gabaraeva L.N. and etc.	2007, Vladikavkaz	Email option	10
3	Methodological guide for conducting practical training in providing emergency emergency care to therapeutic patients for third-year students of the Faculty of Medicine	Khetagurova Z.V., Totrov I.N., Medoeva A.A. and etc.	Vladikavkaz, 2006	Email option	10
4	Methodological guide for practical training in general care of therapeutic patients for students II course of the Faculty of Medicine	Khetagurova Z.V., Totrov I.N., Medoeva A.A. and etc.	Vladikavkaz, 2006	Email option	10

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*В. Логман*

### 9. List of resources of the information and telecommunications network "Internet" necessary for mastering the discipline

In the process of mastering the discipline "Fundamentals of Nursing" for 2nd year students of the Faculty of Medicine, bases data, information and reference And search engines systems. Internet resources: www.studentmedlib.ru– student advisor, system "Univadis" <http://www.studmedlib.ru/ru/book/970416501V0002.html?SSr=1301339e711216a9a573507a1da16.tur@yandex.ru>

### 10. Guidelines for students on mastering the discipline

The training program in the discipline "Modern methods of examination of patients" for students of the Faculty of Medicine includes theoretical (lecture course), practical training (practical classes), and independent work. Training includes 6 hours of lectures, 16 hours of classroom practical training, 18 hours of extracurricular independent work (42 hours in total). Lectures are problematic in nature and are given by professors of the department on the most important topics of the discipline. When delivering lectures, modern information technologies and technical teaching aids are used.

Practical classes are conducted in the department's classrooms, as well as in hospital wards, and in rooms for additional research methods. During classes, educational and methodological support tools for the discipline, technical teaching aids, manuals, methodological instructions and other equipment necessary for mastering the discipline are used.

Current control of knowledge is carried out at each practical lesson using a point-rating system based on two indicators: theoretical part and practical training. Knowledge control is also carried out using test tasks. Modular classes, including assessment of theoretical and practical training, are conducted twice during the course of studying the discipline. The final knowledge control is a test.

In accordance with the requirements of the Federal State Educational Standard for Higher Education, active and interactive forms of conducting classes are widely used in the educational process (business and role-playing “games”, practical exercises in the form “court hearing”, programmed test control). The proportion of classes conducted in interactive forms is not less than 20% of classroom activities.

Independent work of students involves preparation for practical classes and includes test control of the initial and final level of knowledge, answers to test questions on the topics of practical classes, and solving situational problems. Working with educational literature is considered as a type of educational work in the discipline “Modern methods of examination of patients” and is performed within the hours allocated for its study (in the SRS section).

Each student is provided with access to the library funds of the Academy and the department.

For each section of the academic discipline, methodological recommendations for students and guidelines for teachers have been developed.

While studying the discipline, students independently conduct examinations of patients (questioning, examination, nursing process). Writing an abstract and fragments of a medical history contribute to the formation of professional skills.

Student work in a group develops a sense of teamwork and communication skills.

Teaching students helps develop their communication skills with patients, taking into account the ethical and deontological features of pathology in patients. Independent work with patients contributes to the formation of professional behavior, accuracy, and discipline.

The initial level of knowledge of students is determined by testing, the current control of mastering the subject is determined by oral questioning during classes, during clinical analyzes of patients, when solving typical situational problems and answering test tasks.

At the end of studying an academic discipline (module), an intermediate control of knowledge is carried out using an oral answer on tickets, testing practical skills, testing and solving situational problems.

Questions on the academic discipline (module) are included in the Final State Attestation of Graduates.

#### **11. Scroll information technologies, used at implementation educational process in the discipline**

The information technologies used in the study of this discipline are sufficient, modern and relevant. They include:

- Power Point presentations throughout the lecture course
- Tables
- Diagnostic search patterns.
- Tonometer, phonendoscope
- Working with patients in the wards

#### **12. Description logistical bases, necessary For implementation educational process in the discipline**

No	Name of equipment	Quantity	Technical condition
1	2	3	4
<b>Special equipment</b>			
1.	Presentations Power Point By everythinglecture course And topicspractical classes	According to the lecture course	good

2.	Tables	According to the lecture course and the topics of practical classes	good
3.	Tonometer, phonendoscope.	According to the number of students in groups	good
<b>Office equipment</b>			
4.			

### **13. Conducting educational activities using e-learning and distance learning technologies**

Under the conditions of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other force majeure events that do not allow conducting training classes in person, it is possible to study this discipline or part of it using e-learning and distance learning technologies.

Teaching the discipline in the situations described above will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various assignments. When conducting training sessions, ongoing monitoring of progress, as well as intermediate certification of students, platforms of the electronic information and educational environment of the academy and/or other e-learning systems recommended for use at the academy, such as Moodle, Zoom, Webinar, etc., can be used.

Lectures can be presented in the form of audio, video files, “live lectures”, etc. Conducting seminars and practical classes is possible on-line, both synchronously and asynchronously. Seminars can be held in the form of web conferences.

