

Summary of the working program of the academic discipline

« **ISSUES OF SPECIFIC PROPAEDEUTICS** »

(name of the academic discipline)

General Educational Program of higher education (specialist's degree programs)

31.05.01 General Medicine

code, name of the specialty

Department: **ENDOCRINOLOGY AND INTERNAL DISEASES**

1. The purpose of mastering the discipline (*participation in the formation of relevant competencies – specify the codes*):

As a result of mastering the discipline program, the graduate should have formed universal, general professional and professional competencies: UC - 1,4,5; GPC - 1, 4, 5.10; PC - 5, 6, 7, necessary to achieve labor functions in according to the Professional Standard General practitioner (district general practitioner).

Universal competencies:

Systems and critical thinking (category)

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

Communication.

UK-4 Be able to use modern communication technologies, including in a foreign language, for academic and professional interaction

Intercultural interaction

UK-5 Be 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 Be able to implement moral and legal norms, ethical and deontological principles in professional activities

Diagnostic instrumental examination methods

GPC-4 Be able to use medical devices prescribed by the order of medical care, as well as conduct examinations of the patient in order to establish a diagnosis

Etiology and pathogenesis

GPC-5 Be able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems

Information literacy

GPC-10 Be able to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of information security

Professional:

Patient examination to establish a diagnosis (labor function).

PC-5 Be able to elicit complaints, take a history of the patient's life and illness, conduct a complete physical examination of the patient (inspection, palpation, percussion, auscultation), formulate an initial diagnosis and draw up a plan for laboratory and instrumental investigations.

PC-6 Be able to refer a patient for a laboratory, instrumental investigations, for a specialist doctor consultation in the presence of medical indications in according to the current procedures for the provision of medical care, on the provision of medical care, taking into account the standards of medical care, as well as refer the patient for specialized medical care assistance in inpatient conditions or in a day hospital if there are medical indications in according

to the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, considering the standards of medical care

PC-7 Be able to make a differential diagnosis with other diseases/conditions, including emergencies, to establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD).

2. Position of the academic discipline in the structure of the General Educational Program (GEP).

2.1. The discipline «Issues of specific propaedeutics» refers to the core part of Block 1 of GEP HE disciplines (modules), variable part, optional discipline **B1.DV.O.1**

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

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

№	Competence code	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	Be able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	IUC 1.1 Know: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 1.2 Be able to: acquire new knowledge based on analysis, synthesis, etc.; collect data on the presence of problems manifested in professional areas; development of search for information and solutions based on actions, experiment and experience IUC 1.3 Have practical experience: researching the problems of professional activity using analysis, synthesis and other methods of intellectual activity; development of an action strategy for solving professional problems	methods of critical analysis and evaluation of modern scientific achievements ; basic principles of critical analysis	obtain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience	research of the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve the professional problems
2.	UC-4	Be able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	IUC 4.1 Know: 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	basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business	express your thoughts in Russian and foreign languages in business communication	skills in compiling texts in Russian and foreign languages related to professional activities; experience in translating medical texts from a foreign

			<p>IUC 4.2 Know how to: express their thoughts in Russian and foreign languages in business communication</p> <p>IUC 4.3 Have practical experience in: compiling 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</p>	<p>communication, modern means of information and communication technologies</p>		<p>language into Russian; experience of speaking Russian and foreign languages</p>
3.	UC-5	<p>Be able to analyze and take into account the diversity of cultures in the process of intercultural interaction</p>	<p>IUC5.1 Know: the main categories of philosophy, the laws of historical development, the basics of intercultural communication; basic concepts of human interaction in an organization</p> <p>IUC5.2 Know how to: competently, clearly present professional information in the process of intercultural interaction; observe ethical standards and human rights; analyze the features of social interaction, taking into account national, ethno-cultural, confessional characteristics</p> <p>IUC 5.3 Have 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</p>	<p>the main categories of philosophy, the laws of historical development, the foundations of intercultural communication; basic concepts of human interaction in an organization</p>	<p>competently, accessible to express professional information in the process of intercultural interaction; observe ethical standards and human rights; analyze the features of social interaction, taking into account national, ethno-cultural, confessional characteristics</p>	<p>skills of 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</p>
4.	GPC-1	<p>Be able to implement moral and legal norms, ethical and deontological principles in professional activities</p>	<p>IGPC 1.1 Know: basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal</p>	<p>foundations of medical ethics and deontology; fundamentals of legislation</p>	<p>apply ethical standards and principles of behavior of a medical</p>	<p>practical experience: solving standard problems of professional</p>

			<p>aspects of medical practice IGPC 1.2 Be able to: apply ethical norms and principles of behavior of a medical worker in the performance of their professional duties; 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) IGPC 1.3 Have practical experience: 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</p>	<p>in the field of healthcare; legal aspects of medical practice</p>	<p>worker in the performance of their professional duties; 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)</p>	<p>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</p>
5.	GPC-4	<p>Be able to use medical devices provided for by the order of medical care, as well as conduct examinations of the patient in order to establish a diagnosis</p>	<p>IGPC 4.1 Know the methodology for taking a history 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 studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; international statistical classification of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in according to</p>	<p>the methodology for taking a history of life and diseases, patient complaints (their legal representatives); methods of inspection and physical examination; clinical presentation, diagnostic methods for the most common diseases; methods of laboratory and instrumental studies for assessing the state of health, medical</p>	<p>elicit complaints, taking a history of life and disease in patients (their legal representatives), identify risk factors and causes of the development 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</p>	<p>eliciting complaints, taking a history of life and disease of patients (their legal representatives) , identifying risk factors and causes of the development of diseases; inspection and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for major cancers; formulating a preliminary diagnosis, drawing up a plan for instrumental,</p>

			<p>the current procedures for the provision of medical, clinical guidelines (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care</p> <p>IGPC 4.2 Be able to: elicit complaints, take a history of life and disease of patient (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 an initial diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in patients in according to the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; refer patients for laboratory, instrumental and additional studies in according to the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; refer patients for consultations to specialist doctors in according to the procedures for providing medical care, clinical guidelines, taking into account 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,</p>	<p>indications for conducting studies, rules for interpreting their results; international statistical classification of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in according to the current procedures for the provision of medical, clinical guidelines (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care</p>	<p>pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in patients in according to the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; refer patients for laboratory, instrumental and additional studies in according to the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; refer patients for consultations to specialist doctors in according to the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; refer patients for consultations to specialist doctors in according to the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care;</p>	<p>laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in according to the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in according to the international statistical classification of diseases and related health problems (ICD); 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 according to</p>
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			<p>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 according to the current procedures for the provision of medical, clinical guidelines (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care</p> <p>IGPC 4.3 Have practical experience in: collecting complaints, anamnesis of life and disease of patients (their legal representatives), identifying risk factors and causes of diseases; examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for major cancers; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in according to the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a</p>		<p>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 life, requiring emergency medical care; apply medical devices in according to the current procedures for the provision of medical, clinical guidelines (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care</p>	<p>the current procedures for the provision of medical, clinical guidelines (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>
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			<p>preliminary diagnosis in according to the international statistical classification of diseases and related health problems (ICD); 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 according to the current procedures for the provision of medical, clinical guidelines (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>			
6.	GPC-5	<p>Be able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems</p>	<p>IGPC-5.1 Know: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems IGPC 5.2 Be able to: evaluate the basic morphofunctional data, physiological conditions and pathological processes in the human body IGPC5. 3. Have practical experience: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems</p>	<p>anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems</p>	<p>evaluate the main morphofunctional data, physiological conditions and pathological processes in the human body</p>	<p>Have practical experience: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body in solving professional problems</p>
7.	GPC-10	<p>Be able to solve standard tasks of professional activity using information, bibliographic resources, medical and biological terminology, information and communication</p>	<p>IGPC10. 1.Know: the possibilities of reference and information systems and professional databases; methods of information search, information and communication</p>	<p>the possibilities of reference and information systems and professional databases; methods of</p>	<p>apply modern information and communication technologies to solve the problems of</p>	<p>the use of modern information and bibliographic resources, the use of special software and automated information</p>

		technologies, taking into account the basic requirements of information security	technologies; modern medical and biological terminology; basics of information security in professional activity IGPC10. 2. Know how to: apply modern information and communication technologies to solve the problems of professional activity; to carry out an effective search for information necessary to solve the problems of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information security IGPC 10 3. Have practical experience in: using modern information and bibliographic resources, using special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security	information search, information and communication technologies; modern medical and biological terminology; basics of information security in professional activity	professional activity; to carry out an effective search for information necessary to solve the problems of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information security	systems to solve standard tasks of professional activity, taking into account the basic requirements of information security
8.	PC-5	Be able to elicit complaints, take a history of the patient's life and illness, conduct a complete physical examination of the patient (inspection, palpation, percussion, auscultation), formulate an initial diagnosis and draw up a plan for laboratory and instrumental examinations of the patient	IPC 5.1 Know: The legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; method of collecting complaints, anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (inspection, palpation, percussion, auscultation); etiology, pathogenesis and	Legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents that determine the activities of the medical organizations and medical workers; method of collecting	to elicit complaints, take a history of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interpret its results;	Complaints eliciting, taking a history of life and illness of the patient and analysis of the information received; conducting a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interpreting its results; determining the

			<p>pathomorphology, clinical presentation, differential diagnosis, course features, complications and outcomes of internal diseases;</p> <p>patterns of functioning of a healthy human body and mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathological processes; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results</p> <p>IPC 5.2 Be able to: elicit complaints, take a history of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interpret its results; determine the sequence of amount, content and sequence of diagnostic measures</p>	<p>complaints, anamnesis of life and illness of the patient; a technique for a complete physical examination of the patient (inspection, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; patterns of functioning of a healthy human body and mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathological processes; methods of laboratory and instrumental studies for assessing the state of health, medical indications</p>	<p>determine the sequence of amount, content and sequence of diagnostic measures</p>	<p>order of amount, content and sequence of diagnostic measures</p>
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				for conducting studies, rules for interpreting their results		
9.	PC-6	Be able to refer the patient for laboratory, instrumental examination, for a consultation with specialist doctors if there are medical indications in according to the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in according to the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care	IPC 6 1. Know: general issues of organizing medical care for the population, methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting studies, rules for interpreting their results; procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, standards of medical care IPC 6 2. Be able to: justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care	general issues of organizing medical care for the population, methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, standards of medical care	justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care	substantiation of the need and scope of laboratory examination of the patient; substantiation of the need and scope of instrumental examination of the patient; substantiation of the need to refer the patient for consultations to specialist doctors; determination of medical indications for the provision of emergency, including emergency specialized, medical care
10.	PC-7	Be able to make a differential diagnosis with other diseases/conditions, including emergencies, to establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)	IPC 7.1 Know: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; ICD IPC 7.2 Be able to: analyze the results of the patient's	etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methods of laboratory and instrumental	analyze the results of the patient's examination, if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the	analysis of the obtained results of the examination of the patient, if necessary, justification and planning of the volume of additional studies; interpreting the results of collecting information about the patient's disease; interpretation of data obtained

			examination, if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of internal diseases from other diseases	studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; ICD	laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of internal diseases from other diseases	during the laboratory examination of the patient; interpretation of data obtained during the instrumental examination of the patient; interpret data obtained during consultations of the patient by medical specialists; differential diagnosis of internal diseases from other diseases
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4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 2 CU (72 AH)

Type of educational work	Labor intensity		Labor intensity (AH) in semesters		
	volume in credit units (CU)	volume in academic hours (AH)	4	5	6
Classroom work, including	1,22	44	-	44	
Lectures (L)	0,28	10	-	10	
Laboratory practicum (LP)*	-	-	-	-	-
Practicals (P)	-	-	-	-	-
Clinical Practice (CP)	0,94	34	-	34	-
Seminars (S)	-	-	-	-	-
Student's individual work (SIW)	0,78	28	-	28	
Mid-term assessment					
credit/exam (<i>specify the type</i>)	-	- credit		- Credit	
TOTAL LABOR INTENSITY	2	72	-	72	

5. Sections of the academic discipline and competencies that are formed

№	Name of the section of the academic discipline	Types of academic work* (in AH)						
		L	LP	P	CP	S	SIW	total
1	Major syndromes and diseases of the respiratory system	2	-	-	8	-	6	16
2	Emergency conditions in diseases of the respiratory system	2	-	-	6	-	4	12
3	Major syndromes and							

	diseases of the cardiovascular system	4	-	-	15	-	12	31
4	Emergency conditions in diseases of the cardiovascular system	2	-	-	5	-	6	13
	TOTAL	10	-	-	34	-	28	62

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