### Summary of the working program of the academic discipline

### « EDUCATIONAL PRACTICE (PATIENT CARE IN THERAPY AND SURGERY)»

General Educational Program of higher education (<u>specialist's degree programs</u>)

31.05.01 General Medicine

Department: endocrinology and internal medicine

- **1. The purpose of mastering the discipline** (participation in the formation of relevant competencies specify the codes): The purpose of mastering the discipline: participation in forming the relevant competencies UC-1, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4. Tasks of the discipline: master the following competencies IUC 1.1, IUC 1.2, IUC 1.3, IGPC 1.1, IGPC 1.2, IGPC 4.1, IGPC 4.2, IGPC 4.3, IGPC 5.1, IGPC 5.2, IGPC 5.3, IGPC 6.1, IGPC 6.2, IGPC 6.3, IGPC 10.1, IGPC 10.2, IGPC 10.3, IPC 1.1, IPC 1.2, IPC 2.1, IPC 2.2, IPC 3.1, IPC 3.2, IPC 4.1, IPC 4.2
- 2. Position of the academic discipline in the structure of the General Educational Program (GEP).
- **2.1.** The discipline Educational practice (patient care in therapy and surgery) refers to the core part of Block 1 of GEP HE (Academic discipline index).

## 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

			Code and	As a result	of mastering the o	
	Compete	The content of the	name of the		students should:	
№	nce code	competence (or	competence			
		its part)	acquisition	know	be able to	possess
			metric			
1.	UC-1	Able to carry out		methods of	receive new	research of the
		a critical analysis	IUC 1.2	critical	knowledge	problem of
		of problem	IUC 1.3	analysis and	based on	professional
		situations based		evaluation of	analysis,	activity using
		on a systematic		modern	synthesis, etc.;	analysis,
		approach, develop		scientific	collect data on	synthesis and
		an action strategy		achievements	complex	other methods
				; basic	scientific	of intellectual
				principles of	problems	activity;
				critical	related to the	developing an
				analysis	professional	action strategy
					field; search	to solve
					for information	professional
					and solutions	problems
					based on	
					action,	
					experiment	
					and experience	
2.	GPC-1	Able to	IGPC 1.1	foundations	apply ethical	Has practical
		implement moral	IGPC 1.2	of medical	standards and	experience:
		and legal norms,	IGPC 1.3	ethics and	principles of	solving
		ethical and		deontology;	behavior of a	standard
		deontological		fundamentals	medical	problems of

		principles in professional		of legislation in the field of	worker in the performance of	professional activity based
		activities		healthcare; legal aspects of medical practice	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	on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives) , knowledge of the legal aspects of medical practice
					representatives	
3.	GPC-4	Able to use	IGPC 4.1	Knows the	) collect	Has practical
3.	51	medical devices provided for by the order of medical care, as well as conduct examinations of the patient in order to establish a diagnosis	IGPC 4.1 IGPC 4.2 IGPC 4.3	methodology for collecting an anamnesis of life and diseases, complaints from patients (their legal representatives); method of examination and physical examination; clinical picture, diagnostic methods of the most common diseases; methods of laboratory and instrumental studies for assessing the	complaints, anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of the development of diseases; apply methods of examination and physical examination of patients; interpret the results of the examination and physical examination and physical examination and physical examination and physical examination of patients; diagnose the most common pathology in patients; identify risk	experience: collecting complaints, anamnesis of life and disease in 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

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 accordance with the current procedures for the provision of medical, clinical recommendat ions (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care

factors for cancer: formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendati ons, taking into account 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 recommendati ons, taking into account the standards of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical

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 recommendatio ns, taking into account 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 (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute

		recommendati	diseases,
		ons, taking	exacerbation of
		into account	chronic
		the standards	diseases
		of medical	without
		care; interpret	obvious signs
		and analyze	of a threat to
		the results of	the patient's life
		consultations	and requiring
		with patients'	emergency
		specialists;	medical care;
		interpret and	the use of
		analyze the	medical devices
		results of basic	in accordance
		(clinical) and	with the current
		additional	procedures for
			the provision of
		(laboratory, instrumental)	medical,
		examination	clinical
		methods; to	recommendatio
		carry out	ns (treatment
		differential	protocols) on
		diagnostics of	the provision of
		diseases in	medical care,
		patients;	assistance
		identify	taking into
		clinical signs	account the
		of sudden	standards of
		acute diseases,	medical care
		conditions,	
		exacerbations	
		of chronic	
		diseases	
		without	
		obvious signs	
		of a threat to	
		life, requiring	
		emergency	
		medical care;	
		apply medical	
		devices in	
		accordance	
		with the	
		current	
		procedures for	
		the provision	
		of medical,	
		clinical	
		recommendati	
		ons (treatment	
		protocols) on	
		the provision	
		are provision	

					of medical	
					care, care,	
					taking into	
					account the	
					standards of	
					medical care	
4.	GPC-5	Able to assess	IGPC 5.1	anatomy,	evaluate the	Has practical
		morphofunctional	IGPC 5.2	histology,	main	experience:
		, physiological	IGPC 5.3	embryology,	morphofunctio	assessment of
		conditions and		topographic	nal data,	basic
		pathological		anatomy,	physiological	morphological
		processes in the		physiology,	conditions and	and functional
		human body to		pathological	pathological	data,
		solve professional		anatomy and	processes in	physiological
		problems		physiology of	the human	conditions and
				human	body	pathological
				organs and		processes in the
				systems		human body in
						solving
						professional
						problems
5.	GPC-6	Able to organize	IGPC -6.1	methodology	recognize	assessment of a
		patient care,	IGPC -6.2	for collecting	conditions	condition
		provide primary	IGPC -6.3	complaints	requiring	requiring
		health care,	101 0 0.3	and	emergency	emergency
		ensure the		anamnesis	medical care,	medical care,
		organization of		from patients	including in	including in
		work and the		(their legal	emergency	emergency
		adoption of		representativ	situations,	situations,
		professional		es); methods	epidemics and	epidemics and
		decisions in		of physical	in areas of	in centers of
				examination		
		emergency conditions at the		of patients	destruction,	mass destruction;
				(examination,	requiring	recognition of
		prehospital stage, in emergency		palpation,	emergency	conditions that
		situations,		parpation, percussion,	medical care;	pose a threat to
		· /		auscultation);	organize the	life, including
		epidemics and in centers of mass		principles	work of	the state of
		destruction		and methods	medical	clinical death
		destruction		of providing	personnel in	(stoppage of
				medical care	<del>-</del>	vital functions
					emergency	of the human
				to patients in	situations, in	
				emergencies,	emergency	body (blood
				in emergency	situations,	circulation and
				situations,	epidemics and	(or)
				epidemics	in the centers	respiration),
				and in areas	of mass	requiring
				of mass	destruction;	emergency
				destruction in	provide	medical care;
				accordance	emergency	provision of
				with the	medical care to	emergency
				procedures	patients in	medical care to

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				for providing	conditions that	patients in
				medical care,	pose a threat to	conditions that
				clinical	the life of	pose a threat to
				recommendat	patients,	the life of
				ions, taking	including	patients,
				into account	clinical death	including
				the standards	(stopping the	clinical death
				of medical	vital functions	(stopping the
				care; clinical	of the human	vital functions
				signs of	body (blood	of the human
				major	circulation and	body (blood
				medical	(or)	circulation and
				emergencies;	respiration);	(or)
				principles of	use medicines	respiration); the
				medical	and medical	use of drugs
				evacuation in	devices in the	and medical
				emergency	provision of	devices in the
				situations,	medical care in	provision of
				epidemics	emergency	medical care in
				and in the	conditions;	emergencies
				centers of	perform basic	and epidemics;
						the use of
				mass	cardiopulmona	
				destruction;	ry	personal
				principles of	resuscitation;	protective
				work in the	use personal	equipment;
				centers of	protective	organization of
				mass	equipment;	patient care,
				destruction;	organize	provision of
				principles of	patient care,	primary
				organization	provide	medical -health
				of patient	primary health	care
				care,	care	
				provision of		
				primary		
				health care		
6.	GPC-10	Able to solve	IGPC 10.1	the	apply modern	the use of
		standard tasks of	IGPC 10.2	possibilities	information	modern
		professional	IGPC 10.3	of reference	and	information and
		activity using		and	communicatio	bibliographic
		information,		information	n technologies	resources, the
		bibliographic		systems and	to solve the	use of special
		resources,		professional	problems of	software and
		biomedical		databases;	professional	automated
		terminology,		methods of	activity; to	information
		information and		information	carry out an	systems to
		communication		search,	effective	solve standard
		technologies,		information	search for	tasks of
		taking into		and	information	professional
		account the basic		communicati	necessary to	activity, taking
		requirements of		on	solve the	into account the
		information		technologies;	problems of	basic
		security		modern	professional	requirements of
<u> </u>	I .	Society		111000111	Professional	1040110111011101110

7.	PC 1	Able to assess the condition of a patient requiring emergency or emergency medical care	IPC 1.1 IPC 1.2	medical and biological terminology; basics of information security in professional activity  etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complication s and outcomes of diseases of internal organs; methodology for collecting	activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communicatio n technologies in professional activities, taking into account the basic requirements of information security identify clinical signs of conditions requiring emergency or emergency medical care	information security
				course features, complication s and outcomes of diseases of internal organs; methodology		

	I	T	T	T	T	1
				laboratory		
				and		
				instrumental		
				research		
				methods for		
				assessing the		
				condition, the		
				main medical		
				indications		
				for		
				conducting		
				research and		
				interpreting the results in		
				patients		
				requiring medical care		
				in emergency or emergency		
				forms		
8.	PC-2	Able to recognize	IPC 2.1	etiology,	identify	
		conditions arising	IPC 2.2	pathogenesis	clinical signs	
		from sudden		and	of conditions	
		acute illnesses,		pathomorpho	requiring	
		exacerbation of		logy, clinical	emergency	
		chronic diseases		picture,	medical care;	
		without obvious		differential	identify	
		signs of a threat		diagnosis,	conditions	
		to the patient's		course	requiring	
		life and requiring		features,	emergency	
		emergency		complication	medical care,	
		medical care, to		s and	including	
		recognize		outcomes of	clinical signs	
		conditions that		diseases of	of sudden	
		threaten the		internal	cessation of	
		patient's life,		organs;	blood	
		including		methodology	circulation and	
		conditions of		for collecting	breathing	
		clinical death		complaints		
		(stopping the vital		and		
		functions of the		anamnesis		
		human body		from patients		
		(circulation and /		(their legal		
		or breathing),		representativ		
		requiring medical attention in an		es); methods		
				of physical examination		
		emergency form				
				of patients (examination,		
				,		
				palpation,		
				percussion,		
				auscultation);		

9.	PC-3	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	IPC 3.1. IPC 3.2	a list of laboratory and instrumental research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of circulation and/or respiration rules for basic cardiopulmon ary resuscitation; principles of operation of devices for external electropulse therapy (defibrillation ); rules for performing external electrical impulse	carry out measures to provide medical care in urgent and emergency forms; basic cardiopulmona ry resuscitation in combination with electrical impulse therapy (defibrillation)	
		exacerbation of chronic diseases without obvious signs of a threat to the patient's life, to provide emergency medical care to		external electropulse therapy (defibrillation ); rules for performing external electrical	ry resuscitation in combination with electrical impulse therapy	
		patients in conditions that threaten the patient's life, including clinical death (stopping vital functions of the human body (circulation and/or respiration)		impulse therapy (defibrillation ) in case of sudden cessation of blood circulation and / or respiration		
10.	PC-4	Able to use medicines and medical devices	IPC 4.1 IPC 4.2	modern methods of using	prescribe medicines, medical	

in the provision of	medicines,	devices, taking	
medical care in	medical	into account	
emergency or	devices for	the diagnosis,	
urgent forms	diseases and	age and	
	conditions in	clinical picture	
	accordance	of the disease	
	with the	in accordance	
	current	with the	
	procedures	current	
	for the	procedures for	
	provision of	the provision	
	medical care,	of medical	
	clinical	care, clinical	
	recommendat	guidelines	
	ions	(treatment	
	(treatment	protocols) on	
	protocols) on	the provision	
	the provision	of medical care	
	of medical	in emergency	
	care, taking	or urgent	
	into account	forms	
	standards		

# **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 i	ntensity	Labor intensity (AH) in semesters
	volume in	volume in	
	credit units	academic	
	(CU)	hours (AH)	1 semester
Classroom work, including			
Lectures (L)			
Laboratory practicum (LP)*			
Practicals (P)	1.33	48	48
Seminars (S)			
Student's individual work (SIW)	2.67	96	96
Mid-term assessment			
credit/exam (specify the type)	Credit		
TOTAL LABOR INTENSITY	4	144	144

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

№	Competence code	Section name of the discipline
1	UC-1, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4	Part 1 (General Section of Patient care)
2	UC-1, GPC-1, GPC-4, GPC-5, GPC-6, GPC-10, PC-1, PC-2, PC-3, PC-4	Part 2 (Private section. Care of patients with pathology of different organ systems)