## Summary of the working program of the academic discipline

## «SURGICAL CARE»

General Educational Program of higher education (<u>specialist's degree programs</u>) 31.05.01 General Medicine

Department: FACULTY OF SURGERY AND TRANSPLANTOLOGY

- **1. The purpose of mastering the discipline:** participation in the formation of competencies UC-8, GPC-1, GPC-4, GPC-6, PC-1, PC-2, PC-3
- 2. Position of the academic discipline in the structure of the General Educational Program (GEP).
  - **2.1.** The discipline refers to the core part of Block 1 of GEP HE
- 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

	`	1 C) on and professione	1	As a result	of mastering t	the discipline,
	Competen	The content of the	Code and name of	th	e students sho	ould:
№	ce code	competence (or its part)	the competence acquisition metric	know	be able to	possess
1.	UC-8	Able to: create and maintain safe living conditions in everyday and professional life for the preservation of the natural environment, ensuring sustainable development of society, including in the case of a threat and occurrence of emergency situations and military conflicts	IUC 8.1 Knows: factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts; workplace safety rules IUC 8.2 Can: identify dangerous and harmful factors in the framework of ongoing activities, create and maintain safe living conditions in everyday life and in professional activities IUC 8.3 has practical experience: participation in planned exercises to develop rules of conduct in case of emergencies, first aid: complies with safety regulations at the workplace	factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts	identify dangerous and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday and professional life	Has practical experience in: participation in planned exercises to work out the rules of conduct in case of emergencies, first aid; complies with safety regulations at the workplace
2.	GPC-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	IGPC 1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of health care; legal aspects of medical practice IGPC 1.2 Able to: apply ethical norms and principles of behavior of a medical worker in	basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice	apply ethical norms and principles of behavior of a healthcare worker in the performance of their professional duties; knowledge of modern	Has practical experience in: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with

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			the performance of their		legislation in	colleagues and
			professional duties;		the field of	patients (their
			knowledge of modern		healthcare in	legal
			legislation in the field		solving	representatives)
			of health care in solving		problems of	, knowledge of
			problems of		professional	the legal
			professional activity;		activity;	aspects of
			apply the rules and		apply the	medical
			norms of interaction		rules and	
			moral and legal norms,			practice
			ethical and		norms of	
			deontological principles		interaction	
			of behavior in the		between a	
			course of professional		doctor and	
			activity		colleagues	
			observe moral and legal		and patients	
			norms in professional		(their legal	
			activities;		representativ	
			express professional		-	
			information in the		es)	
			process of intercultural			
			interactions respecting			
			the principles of ethics			
			and deontology			
			the skill of behavior in			
			the implementation of			
			professional activities			
			of behavior in			
			compliance with moral			
			and legal norms, ethical			
			and deontological			
			principles			
			doctor with colleagues			
			and patients (their legal			
			representatives)			
			IGPC 1.3 Has practical			
			experience: solving			
			standard problems of			
			professional activity			
			based on ethical norms			
			and deontological			
			<u>o</u>			
			principles when			
			interacting with			
			colleagues and patients			
			(their legal			
			representatives),			
			knowledge of the legal			
			aspects of medical			
			practice			
3. G	GPC-4	Able to apply	IGPC 4.1 Knows the	the	collect	Has practical
] J.   G	JI C-4		methodology for	methodology	complaints,	experience in:
		medical products,	collecting an anamnesis		anamnesis of	-
		provided by the	of life and diseases,	of collecting		collecting
		order of healthcare	complaints from	anamnesis of	life and	complaints,
			patients (their legal	life and	disease of	anamnesis of
		delivery, as well as		diseases,	patients	life and disease
		examine patients	representatives);	complaints	(their legal	of patients
		for the purpose of	method of examination	of patients	representativ	(their legal
			and physical	(their legal	es), identify	representatives)
		determining the	examination; clinical	representativ	risk factors	, identifying
		diagnosis	picture, diagnostic	es);	and causes of	risk factors and
		-	methods of the most	examination	diseases;	causes of
			common diseases;	CAGIIIII ati Oli	arseases,	causes of

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 accordance with the current procedures for the provision of medical, clinical recommendations and (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical IGPC 4.2 Knows how to: collect 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 of patients; diagnose the most common 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 accordance with the procedures for providing medical care, clinical recommendations, etc. taking into account the standards of medical care; refer patients for laboratory, instrumental and additional studies

procedure; apply and physical examination: clinical aspect, methods of diagnosis of the most common diseases: methods of laboratory and instrumental most investigation s to assess the state of health, medical indications for conducting research, rules for interpreting their results; for international statistical classification of diseases and and healthrelated problems (ICD); in conditions requiring emergency medical care; procedure for the use of medical devices in accordance with the current procedures for providing medical care, clinical recommenda and tions (treatment protocols) on s in the medical care delivery taking into account the standards of

medical care

disease methods of development; examination examination and physical and physical survey of survey of patients; patients; interpret the diagnosis of the results of most common examination diseases: identification of and physical risk factors for examination of patients; major diagnose the oncological diseases; formulation of a common pathology preliminary diagnosis, among drawing up a patients; plan for identify risk factors for instrumental, cancer; laboratory, formulate a additional preliminary investigations, diagnosis, to consultations of make a plan specialist doctors; referral conducting of patients for laboratory, instrumental, instrumental laboratory, additional additional investigations, investigation consultations of specialist s of patients doctors in accordance accordance with with the the current procedures procedures for for providing providing medical care, medical care, clinical clinical recommenda recommendatio ns taking into tions taking into account account the the standards standards of of medical medical care; care; to refer interpretation of patients to data from laboratory, additional instrumental (laboratory and instrumental) additional examinations of patients; investigation making a accordance preliminary with the diagnosis in current accordance with procedures the international for providing statistical medical care, classification of

in accordance with the current procedures for the provision of medical care, clinical recommendations, and, subject to standards of care; refer patients for consultations to specialist doctors in accordance with the procedures for the provision of medical care, clinical recommendations and, taking into account the standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of the main (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: use medical devices in accordance with 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 IGPC 4.3 Has practical experience: collecting complaints, anamnesis of life and disease in patients (their legal representatives). identification of risk factors and causes of disease development: examination and physical examination of patients; diagnosis of the most common

clinical recommenda tions, taking into account the standards of medical care; refer patients for consultations to medical specialists in accordance with the procedures of medical care, clinical recommenda tions taking into account the standards of medical care: to interpret and analyze the results of consultations by medical specialists of patients; to interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; carry out differential diagnosis of diseases of patients; identify clinical signs of sudden acute diseases. conditions. exacerbation s of chronic diseases without obvious signs of lifethreatening, requiring medical care

diseases and problems related to health (ICD); differential diagnosis 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 urgent medical care; the use of medical devices in accordance with current medical procedures, clinical recommendatio ns (treatment protocols) on the issues of medical care delivery, assistance taking into account the standards of medical care

			of risk factors for major cancers; I formulated a preliminary diagnosis,		form; use medical devices in	
			drawing up a plan for		accordance	
			conducting instrumental		with current	
			puff. laboratory,		medical	
			additional		procedures,	
			research, consultations		clinical	
			of medical specialists;		recommenda	
			referral of patients for		tions	
			instrumental, laboratory, additional		(treatment	
			studies, consultations of		protocols) on	
			specialist doctors in		the provision	
			accordance with the		of medical	
			current procedures for		care,	
			the provision of		assistance	
			medical care, clinical		taking into	
			guidelines and, taking		account the	
			into account standards		standards of	
			of care; interpretation		medical care	
			of additional (laboratory and			
			instrumental)			
			examinations of			
			patients; provisional			
			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 diseases,			
			exacerbation of chronic			
			diseases without			
			obvious signs of a			
			threat to the patient's			
			life and requiring			
			emergency medical			
			care; use of medical			
			devices in accordance			
			with the current			
			procedures for the			
			provision of medical,			
			clinical			
			recommendations and			
			(treatment protocols) on			
			the provision of			
			medical care, care			
			taking into account the			
			standards of medical			
	I		care	.1 1 2		TT
	an.c. :		IGPC 6.1 Knows: the	methods of	recognize	Has practical
4.	GPC-6	Able to: organize			_	
4.	GPC-6	patient care,	methodology for	collecting	conditions	experience in:
4.	GPC-6	_	methodology for collecting complaints	collecting complaints	conditions that require	experience in: assessing the
4.	GPC-6	patient care,	methodology for	collecting	conditions	experience in:

the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of providing medical care to patients in emergencies, in emergency situations, epidemics and in areas of mass destruction in accordance with the procedures for providing medical care, clinical recommendations and, taking into account the standards of medical care; clinical signs of major medical emergencies; principles of medical evacuation in emergency situations, epidemics and in the centers of mass destruction; principles of work in the centers of mass destruction; principles of organization of patient care, provision of primary health care IGPC 6.2 Able to: recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction, requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping vital functions of the human body (blood circulation and (or) respiration); use medicines and medical devices in the provision of medical care in

patients (their legal representativ es); methods of physical examination of patients (examination , palpation, percussion, auscultation) ; principles and methods of medical care delivery to patients in urgent conditions, in emergency situations, epidemics and in centers of mass destruction in accordance with the procedures for providing medical care, clinical recommenda tions taking into account the standards of medical care; clinical signs of major emergency conditions; principles of medical evacuation in emergency situations, epidemics and in centers of mass destruction; principles of work in centers of mass destruction; principles of

organization

an emergency form, including in the conditions of emergencies, epidemics and in the centers of mass destruction, requiring medical assistance in emergency form; organize the work of medical personnel in emergency situations, epidemics and in centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including (blood circulation and (or) respiration); use medicines and medical products when providing medical care in emergency conditions: perform basic cardiopulmo nary resuscitation; use personal protective

healthcare delivery in an emergency form, including in emergency situations, epidemics and in the centers of mass destruction; definition of life-threatening conditions, including the state of clinical death (arrest of vital important functions of the human body (blood circulation and (or) breathing) requiring medical care in the emergency form; medical care delivery in emergency form to patients in conditions, constituting life-threatening situations including clinical death (arrest of vital functions of human body (blood circulation and (or) respiration); the use of medicines and medical products in the provision of medical care in case of emergency conditions and epidemics; use of personal protective equipment; organization of patient care, first aid measures

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			emergency conditions;	of patient	equipment;	
			perform basic	care, first aid	organize	
			cardiopulmonary	treatment	patient care,	
			resuscitation; use		provide	
			personal protective		primary	
			equipment: organize		health care	
			patient care, provide			
			primary health care			
			IGPC 6.3 Has practical			
			experience in: assessing			
			a condition requiring			
			emergency medical			
			care, including in			
			emergency situations,			
			epidemics and in areas			
			of mass destruction;			
			recognition of			
			conditions that pose a			
			threat to life, including			
			the state of clinical			
			death (stoppage of vital			
			functions of the human			
			body (blood circulation			
			and (or) respiration),			
			requiring emergency			
			medical care;			
			emergency medical care			
			form patients under			
			conditions that pose a			
			threat to the life of			
			patients, including			
			clinical death (stopping			
			the vital functions of			
			the human body (blood			
			circulation and (or)			
			` '			
			respiration); the use of			
			drugs and medical			
			devices in the provision of medical care in			
			emergency conditions			
			and epidemics; personal			
			protective equipment,			
			organization of patient			
			care, provision of			
			primary health care			
5.	PC-1	Able to assess the	IPC 1.1 Knows:	etiology,	identify	assessment of
		condition of a	etiology, pathogenesis	pathogenesis	clinical signs	the patient's
		patient requiring	and pathomorphology,	and	of conditions	condition
		medical treatment	clinical picture,	pathomorpho	requiring	requiring
			differential diagnosis,	logy, clinical	medical	medical care in
		in the emergency	course features, complications and	aspect,	treatment in	emergency or
		form	outcomes of diseases of	differential	the	emergency
			internal organs;	diagnosis,	emergency	forms
			methodology for	clinical	form	
			collecting complaints	features,		
			and anamnesis; physical	complication		
			examination technique	s and		
			(examination,	outcomes of		
ĺ			palpation, percussion,	diseases of		
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			auscultation); a list of 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 forms IPC 1.2 Able to: identify clinical signs of conditions requiring emergency or emergency or emergency medical care IPC 1.3 has methods for assessing the condition of a patient requiring medical care in emergency or emergency or emergency or emergency or emergency or emergency or emergency forms	internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation) ; a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results of patients		
6.	PC-2	Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital	IPC 2.1Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis from patients (their legal representatives); method of physical examination of patients (examination, palpation, percussion, auscultation): a list of laboratory and instrumental research methods for assessing the patient's condition, the main medical	in the emergency form etiology, pathogenesis and pathomorpho logy, clinical picture, differential diagnosis, features of the course, complication s and outcomes of diseases of internal organs; methods of collecting complaints and anamnesis in patients (their legal	identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration	provision of emergency medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life; state recognition. posing a threat to the life of the patient, including conditions of clinical death (stopping the vital functions of the human

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		functions of the	indications for conducting research and	representativ		body (blood circulation and /
		human body (blood	interpreting the results:	es); methods of physical		or respiration),
		circulation and/or	clinical signs of a	examination		requiring
		respiration),	sudden cessation of	of patients		emergency
		requiring the	blood circulation and /	(examination		medical care;
		provision of	or breathing IPC 2.2 Able to:	, palpation,		providing
		emergency medical	identify clinical signs of	percussion,		emergency
		care	conditions requiring	auscultation)		medical care to
			emergency medical	; a list of methods of		patients in conditions that
			care; identify conditions	laboratory		pose a threat to
			requiring emergency medical care, including	and		the patient's
			clinical signs of sudden	instrumental		life, including
			cessation of blood	investigation		clinical death
			circulation and	s to assess		(stoppage of
			breathing	the patient's		vital functions
				condition,		of the human
				the main		body (blood
				medical indications		circulation and/or
				for		respiration)
				conducting		
				research and		
				interpreting		
				the results;		
				clinical signs		
				of sudden cessation of		
				blood		
				circulation		
				and/ or		
				respiration		
7.	PC-3	Able to: provide	IPC 3.1 Knows: basic	basic	perform	provision of
		emergency medical	cardiopulmonary resuscitation rules;	cardiopulmo	measures to	emergency
		care to patients in	principles of operation	nary	provide	medical care to
		case of sudden	of devices for external	resuscitation rules;	medical care in urgent and	patients in conditions that
		acute diseases,	electropulse therapy	principles of	emergency	pose a threat to
		conditions,	(defibrillation); rules	operation of	forms; basic	the patient's
		exacerbation of	for performing external	devices for	cardiopulmo	life, including
		chronic diseases	electropulse therapy (defibrillation) in case	external	nary	clinical death
		without obvious	of sudden cessation of	electropulse	resuscitation	(stopping vital
		signs of a threat to	blood circulation and /	therapy	in	functions of the
		the patient's life,	or respiration	(defibrillatio n); rules for	combination with	human body (blood
		provide emergency	IPC 3.2 Able to:	performing	electrical	circulation
		medical care to	perform measures to provide medical care in	external	impulse	and/or
		patients in	urgent and emergency	electrical	therapy	respiration)
		conditions that	forms; basic	impulse	(defibrillatio	
		threaten the	cardiopulmonary	therapy	n)	
		patient's life,	resuscitation in	(defibrillatio		
		including clinical	combination with	n) in case of		
		death (suspension	electrical impulse	sudden cessation of		
		of vital	therapy (defibrillation)	blood		
		functions the		circulation		
		human body		and / or		
L		(circulation and/or		respiration	<u> </u>	<u> </u>
		(circulation and/or		respiration		

	respiration)		

## **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	volume in				
	credit units	academic				
	(CU)	hours (AH)	1			
Classroom work, including						
Lectures (L)	0,3	10	10			
Laboratory practicum (LP)*						
Practicals (P)	0,9	34	34			
Seminars (S)						
Student's individual work (SIW)	0,8	28	28			
Mid-term assessment						
credit/exam (specify the type)						
TOTAL LABOR INTENSITY	2	72	72			

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

№	Competence code	Section name of the discipline
1.	UC-8, GPC-1, 4, 6, PC-1, 2, 3	The concept of general patient care, the role of general care in surgery.  Organization of work in the surgical department. The concept of asepsis and antisepsis, safety precautions when working with surgical patients.
2.	UC-8, GPC-1, 4, 6, PC-1, 2, 3	Preoperative period. Preparation of patients for various types of operations. Features of the admission and diagnostic department of a surgical hospital, the role in preoperative preparation.
3.	UC-8, GPC-1, 4, 6, PC-1, 2, 3	Postoperative period.  Features of care of surgical patients after various operations.  The role of care in the prevention of postoperative complications.