Summary of the working program of the academic discipline

«NURSING (surgery)»

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, PC-4
- 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

	`				_	the discipline,
	Competen	The content of the competence (or its	<u> </u>		the students should:	
№	ce code	part)	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 the performance of their	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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			professional duties;		legislation in	colleagues and
			knowledge of modern		the field of	patients (their
			legislation in the field of health care in solving		healthcare in	legal
			problems of		solving	representatives)
			professional activity;		problems of	, knowledge of
			apply the rules and		professional	the legal
			norms of interaction		activity;	aspects of
			moral and legal norms,		apply the	medical
			ethical and		rules and	practice
			deontological principles		norms of	
			of behavior in the		interaction	
			course of professional		between a	
			activity		doctor and	
			observe moral and legal		colleagues	
			norms in professional		and patients	
			activities;		(their legal	
			express professional		representativ	
			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			
			principles when			
			interacting with			
			colleagues and patients			
			(their legal			
			representatives),			
1			knowledge of the legal			
			aspects of medical			
			practice			
3.	GPC-4	Able to apply	IGPC 4.1 Knows the	the	collect	Has practical
		medical products,	methodology for	methodology	complaints,	experience in:
		provided by the	collecting an anamnesis	of collecting	anamnesis of	collecting
		order of healthcare	of life and diseases, complaints from	anamnesis of	life and	complaints,
			patients (their legal	life and	disease of	anamnesis of
1		delivery, as well as	representatives);	diseases,	patients	life and disease
		examine patients	method of examination	complaints	(their legal	of patients
		for the purpose of	and physical	of patients	representativ	(their legal
		determining the	examination; clinical	(their legal	es), identify	representatives)
		diagnosis	picture, diagnostic	representativ	risk factors	, identifying
		uragnosis	methods of the most	es);	and causes of	risk factors and
			common diseases;	examination	diseases;	causes of
			methods of laboratory	procedure;	apply	disease
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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 in accordance with the

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

medical care

methods of examination and physical survey of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology among patients; identify risk factors for cancer; formulate a preliminary diagnosis, to make a plan for conducting laboratory, instrumental and additional investigation s of patients in accordance with the procedures for providing medical care. clinical recommenda tions taking into account the standards of medical care; to refer patients to laboratory, instrumental and additional investigation s in accordance with the current procedures for providing medical care. clinical

development; examination and physical survey of patients; diagnosis of the most common diseases; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional investigations, consultations of specialist doctors; referral of patients for instrumental, laboratory, additional investigations, consultations of specialist doctors in accordance with the current procedures for providing 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

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 diseases; identification

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

in an urgent

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

		provide primary health care, ensure the organization of	collecting complaints and anamnesis from patients (their legal representatives);	complaints and anamnesis of patients	that require healthcare delivery in an	assessing the condition requiring healthcare
4.	GPC-6	Able to: organize patient care,	IGPC 6.1 Knows: the methodology for collecting complaints	methods of collecting	recognize conditions	Has practical experience in:
			the provision of medical care, care taking into account the standards of medical care			
			(treatment protocols) on			
			clinical recommendations and			
			provision of medical,			
			with the current procedures for the			
			devices in accordance			
			emergency medical care; use of medical			
			life and requiring			
			threat to the patient's			
			diseases without obvious signs of a			
			exacerbation of chronic			
			sudden acute diseases,			
			recognition of conditions arising from			
			diagnostics of diseases;			
			health problems (ICD); carrying out differential			
			of diseases and related			
			statistical classification			
			diagnosis in accordance with the international			
			patients; provisional			
			instrumental) examinations of			
			(laboratory and			
			of care; interpretation of additional		medical care	
			into account standards		standards of	
			guidelines and, taking		taking into account the	
			the provision of medical care, clinical		assistance	
			current procedures for		care,	
			specialist doctors in accordance with the		the provision of medical	
			studies, consultations of		protocols) on	
			laboratory, additional		(treatment	
			referral of patients for instrumental,		tions	
			of medical specialists;		clinical recommenda	
			additional research, consultations		procedures,	
			puff. laboratory,		medical	
			conducting instrumental		accordance with current	
			preliminary diagnosis, drawing up a plan for		devices in	
			cancers; I formulated a		medical	
			of risk factors for major		form; use	

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

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 emergency conditions;

(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

of patient

equipment;

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

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

			perform basic	care, first aid	organize	
			cardiopulmonary	treatment	patient care,	
			resuscitation; use		provide	
			personal protective		primary	
			equipment: organize		health care	
			patient care, provide		nearth care	
			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
٦.	LC-1		etiology, pathogenesis	0.	-	1
		condition of a	and pathomorphology,	pathogenesis	clinical signs	the patient's
		patient requiring		and	of conditions	condition
		medical treatment	clinical picture,	pathomorpho	requiring	requiring
			differential diagnosis,	logy, clinical	medical	medical care in
		in the emergency	course features,	aspect,	treatment in	emergency or
		form	complications and	differential	the	emergency
			outcomes of diseases of	diagnosis,	emergency	forms
			internal organs;	clinical	form	
			methodology for	features,	101111	
			collecting complaints			
			and anamnesis; physical	complication		
1			examination technique	s and		
1			(examination,	outcomes of		
1			palpation, percussion,	diseases of		
			auscultation); a list of	internal		
	1	1	, , , , , , , , , , , , , , , , , , , ,	1	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 forms IPC 1.2 Able to: identify clinical signs of conditions requiring emergency or emergency medical care IPC 1.3 has methods for assessing the condition of a patient requiring medical care in emergency or emergency forms	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		
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	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	conducting research and interpreting the results of patients requiring medical care in the emergency form etiology, pathogenesis and pathomorpho logy, clinical picture, differential diagnosis, features of the course, complication s and	identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including	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
		medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the	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 indications for	outcomes of diseases of internal organs; methods of collecting complaints and anamnesis in patients (their legal representativ	clinical signs of sudden cessation of blood circulation and respiration	life; state recognition. posing a threat to the life of the patient, including conditions of clinical death (stopping the vital functions of the human body (blood

		human body (blood	conducting research and	es); methods		circulation and /
		circulation and/or	interpreting the results:	of physical		or respiration),
		respiration),	clinical signs of a	examination		requiring
		requiring the	sudden cessation of blood circulation and /	of patients		emergency
		provision of	or breathing	(examination		medical care;
		*	IPC 2.2 Able to:	, palpation,		providing
		emergency medical	identify clinical signs of	percussion, auscultation)		emergency medical care to
		care	conditions requiring	; a list of		patients in
			emergency medical	methods of		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		circulation
				indications		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	cardiopulmo	measures to	emergency
		care to patients in	resuscitation rules; principles of operation	nary	provide	medical care to
		case of sudden	of devices for external	resuscitation	medical care	patients in
		acute diseases,	electropulse therapy	rules; principles of	in urgent and emergency	conditions that 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	external	nary	clinical death
		without obvious	(defibrillation) in case 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	combination	human body
		provide emergency	IPC 3.2 Able to:	n); rules for	with	(blood
		medical care to	perform measures to	performing	electrical	circulation
		patients in	provide medical care in	external	impulse	and/or
		conditions that	urgent and emergency	electrical	therapy	respiration)
			forms; basic	impulse	(defibrillatio	
		threaten the	cardiopulmonary	therapy	n)	
		patient's life,	resuscitation in	(defibrillatio n) in case of		
		including clinical	combination with	sudden		
		death (suspension	electrical impulse	cessation of		
		of vital	therapy (defibrillation)	blood		
		functions the		circulation		
		human body		and / or		
		(circulation and/or		respiration		
Ì		respiration)				

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8.	PC-4	Able to use	IPC 4.1 Knows: modern methods of using	modern methods of	prescribe medicines,	the use of medicines and
		medicines and	medicines, medical	using	medicines, medical	medical devices
		medical devices for	devices for diseases and	medicines,	devices	in the provision
		providing medical	conditions in	medical	taking into	of medical care
		care in emergency	accordance with the	devices for	account the	in emergency or
		forms	current procedures for	diseases and	diagnosis,	urgent forms
		TOTHIS	the provision of	conditions in	age and	urgent forms
			medical care, clinical	accordance	clinical	
			recommendations	with the	picture of the	
			(treatment protocols) on the provision of	current	disease in	
			medical care, taking	procedures	accordance	
			into account the	for providing	with the	
			standards of medical	medical care,	current	
			care in the provision of	clinical	procedures	
			medical care in	recommenda	for providing	
			emergency or urgent	tions	medical care,	
			forms; the mechanism	(treatment	clinical	
			of action of drugs,	protocols) on	recommenda	
			medical devices, medical indications and	the provision	tions	
			contraindications to	of medical	(treatment	
			their use; complications	care taking	protocols) on	
			caused by their use;	into account	the medical	
			principles of operation	the standards	care delivery	
			of devices for external	of medical care in the	in emergency	
			electropulse therapy	provision of	or urgent forms	
			(defibrillation); rules	medical care	TOTTIS	
			for performing external electrical impulse	in emergency		
			therapy (defibrillation)	or urgent		
			in case of sudden	forms; the		
			cessation of blood	mechanism		
			circulation and / or	of action of		
			respiration	drugs,		
			IPC 4.2 Able to:	medical		
			prescribe medicines, medical devices, taking	devices,		
			into account the	medical		
			diagnosis, age and	indications		
			clinical picture of the	and		
			disease in accordance	contraindicat		
			with the current	ions to their		
			procedures for the	use; complication		
			provision of medical care, clinical	s caused by		
			recommendations and	their use;		
			(treatment protocols) on	principles of		
			the provision of	operation of		
			medical care in	devices for		
			emergency or urgent	external		
			forms	electric pulse		
				therapy		
				(defibrillatio		
				n); rules for		
				performing		
				external		
				electric pulse		
				therapy		
				(defibrillatio		
				n) in case of		

		sudden	
		cessation of	
		blood	
		circulation	
		and / or	
		respiration	

4. Volume of the academic discipline and types of academic work Total labor intensity of the discipline is __1_ CU (_36__AH)

Type of educational work	Labor i	Labor intensity		Labor intensity (AH) in semesters		
	volume in	volume in				
	credit units	academic				
	(CU)	hours (AH)	3			
Classroom work, including						
Lectures (L)	0,1	4	4			
Laboratory practicum (LP)*						
Practicals (P)	0,5	18	18			
Seminars (S)						
Student's individual work (SIW)	0,4	14	14			
Mid-term assessment						
credit/exam (specify the type)						
TOTAL LABOR INTENSITY	1	36	36			

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, 4	General issues of the organization of nursing in surgery	
2.	UC-8, GPC-1, 4, 6, PC-1, 2, 3, 4	Main clinical syndromes in surgery	
3.	UC-8, GPC-1, 4, 6, PC-1, 2, 3, 4	Surgical activity of a nurse	
4	UC-8, GPC-1, 4, 6, PC-1, 2, 3, 4	Nursing process in trauma and emergency states	