Summary of the working program of the academic discipline

«ACTUAL QUESTIONS IN SURGARY (ELECTIVE DISCIPLINE)»

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-1, UC-5, UC-5, PC-5, PC-6, PC-8, PC-9, PC-20, PC-21, PC-22, PC-23.
- 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, elective disciplines B1.O.45

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	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-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	IUC 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 1.2 Able to: gain 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 IUC 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems	methods of critical analysis and evaluation of modern scientific achievement s; basic principles of critical analysis	gain 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	Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	UC-5	Able to analyze and take into account the diversity of cultures in the process of cross-cultural interaction	IUC 5.1 Knows: the main categories of philosophy, the laws of historical development IUC 5.2 Able to: competently, intelligibly present professional	the main categories of philosophy, the laws of historical development , the basics of	competently, intelligibly present professional information in the process of intercultural	Has practical experience in: productive interaction in the professional environment taking into account

			information in the process of intercultural interaction; observe ethical norms and human rights; IUC 5.3 Has practical experience in: productive interaction in the professional environment taking into account national, ethnocultural, confessional features	intercultural communicati on; the basic concepts of human interaction in the organization	interaction; observe ethical norms and human rights; analyze the features of social interaction taking into account national, ethno- cultural, confessional	national, ethnocultural, confessional features; overcoming communicative, educational, ethnic, confessional and other barriers in the process of intercultural interaction
3.	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
4.	PC-5	Able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw	IPC 5.1 Knows: Legislation of the Russian Federation in the field of health care, regulatory legal acts 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 (examination, palpation, percussion, auscultation); etiology,	the legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and healthcare workers; method of	collect complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (examination , palpation, percussion,	collection of complaints, anamnesis of life and disease of the patient; a complete physical examination of the patient (examination, palpation, percussion, auscultation); formulating a preliminary diagnosis and drawing up a plan for

up a plan for	pathogenesis and	collecting	auscultation)	laboratory and
laboratory and	pathomorphology,	complaints,	and interpret	instrumental
instrumental	clinical picture,	anamnesis of	its results;	examinations of
examinations of the	differential diagnosis, course features,	life and	determine	the patient
	course reatures,	disease of	the sequence	
patient	outcomes of diseases of	the patient; a	of volume,	
	internal organs;	technique for	content and	
	regularity and	a complete	sequence of	
	functioning of a healthy	physical	diagnostic	
	human body and	examination	measures	
	mechanisms for	of the patient	incl. modern	
	ensuring health from	(examination	digital	
	the standpoint of the	, palpation,	technologies	
	theory of functional	percussion,		
	systems; features of the	auscultation)		
	regulation of the functional systems of	; etiology,		
	the human body in	pathogenesis and		
	pathological processes;	pathomorpho		
	methods of laboratory	logy, clinical		
	and instrumental studies	aspect,		
	for assessing the state	differential		
	of health, medical	diagnosis,		
	indications for research,	clinical		
	rules for interpreting	features,		
	their results	complication		
	IPC 5.2 Able to: collect complaints, anamnesis	s and		
	of life and disease of	outcomes of		
	the patient and analyze	diseases of		
	the information	internal		
	received; conduct a	organs;		
	complete physical	patterns of		
	examination of the	functioning		
	patient (examination,	of a healthy		
	palpation, percussion,	human body		
	auscultation) and	and		
	interpret its results; determine the sequence	mechanisms		
	of volume, content and	for ensuring		
	sequence of diagnostic	health from		
	measures	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		
		examinations		

5.	PC-6	Able to send a patient to laboratory, instrumental examination, to a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of	IPC 6.1 Knows: 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 recommendations (treatment protocols) on	for assessing the state of health, medical indications for conducting investigation s, rules for interpreting their results general issues of organizing medical care for the population, methods of laboratory and instrumental examinations to assess the state of health, medical	justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the	referral of a patient for laboratory examination if there is a medical indication in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment
		the current procedures for the provision of	for the provision of medical care, clinical recommendations	to assess the state of health,	examination of the patient;	medical care, clinical guidelines and
		medical care, clinical recommendations	the provision of medical care, standards of medical care	indications for conducting	need to refer the patient for	protocols) on the provision of medical care,
		(treatment protocols) on providing medical	IPC 6.2 Able to: justify the need and scope of laboratory examination of the patient; justify	examinations , rules for interpreting their results;	consultations with specialist doctors;	taking into account the standards of medical care;
		care taking into account the standards of	the need and scope of instrumental examination of the patient; justify the need	procedures for the provision of medical care,	determine medical indications for the	referral of a patient for an instrumental examination if
		medical care, and also refer the patient for providing	to refer the patient for consultations to specialist doctors; determine medical	clinical recommenda tions	provision of emergency, including	there are medical indications in
		specialized medical care in an inpatient setting or in a day	indications for the provision of an ambulance, including other specialized	(treatment protocols) on the provision of medical	emergency specialized, medical care	accordance with the current procedures for the provision of
		hospital if there are medical indications in accordance with	ambulance, medical care	care, standards of medical care		medical care, clinical recommendatio ns and
		the current procedures for the medical care				(treatment protocols) on the provision of medical care,
		delivery, clinical recommendations (treatment				taking into account the standards of
		protocols) on the medical care delivery taking into				medical care; referral of a patient for a consultation

		account the				with specialist
		standards of				doctors if there
		medical care				are medical
		inodical care				indications in
						accordance with
						the current
						procedures for
						the provision of
						medical care,
						clinical
						guidelines and
						(treatment
						protocols) on
						the provision of
						medical care,
						taking into
						account the
1						standards of
						medical care: referral of a
						patient for specialized
						other medical
						care in an
						inpatient setting
						or in a day
						hospital setting,
						if medically
						indicated, in
						accordance with
						the current
						procedures for
						the provision of
						medical care,
						clinical
						guidelines and
						(treatment
						protocols) on
						the provision of
						medical care,
						taking into
						account the
						standards of
-			mg o 4 TT			care
6.	PC-8	Able to: develop a	IPC 8.1 Knows: modern	modern	draw up a	development of
		treatment plan for a	methods of using medicines, medical	methods of	treatment	a treatment plan
		disease or condition	devices and clinical	using	plan for the	for a disease or
		and prescribe	nutrition for diseases	medicines, medical	disease and	condition,
		medicine, medical	and conditions in a		the patient's condition	taking into
			patient in accordance	devices and therapeutic	taking into	account the diagnosis, age
		devices, therapeutic	with the current	nutrition in	account the	and clinical
		nutrition and non-	procedures for the	diseases and	diagnosis,	picture in
		drug treatment	provision of medical	conditions of	the patient's	accordance with
		taking into account	care, clinical	the patient in	age, the	the current
		the diagnosis, age	recommendations and	accordance	clinical	procedures for
		and clinical picture	(treatment protocols) on	with the	picture of the	the provision of
		_	the provision of medical care, taking	current	disease in	medical care,
		in accordance with	into account the	procedures	accordance	clinical
	1	<u> </u>	into account the	I Procedures	accordance	

current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care and to evaluate the effectiveness and safety of the use of medicines, medical devices, therapeutic nutrition and other methods of treatment

standards of medical care; mechanism of action of drugs medical products and medical nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions in a patient in accordance with 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: mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use IPC 8.2 Able to: draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medicines, medical devices and therapeutic nutrition, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care clinical guidelines and (treatment protocols) on the provision of

medical care, taking

for medical care, clinical recommenda tions (treatment protocols) on the provision of medical care taking into account the standards of medical care; the mechanism of action of medicines, medical devices and therapeutic nutrition, medical indications and contraindicat ions to their use; complication s caused by their use; modern methods of non-drug treatment of diseases and conditions of the patient in accordance with current medical care procedures, clinical recommenda tions (treatment protocols) on the provision of medical care taking into account the standards of medical care; action mechanism of non-drug treatment; medical indications and

contraindicat

with the current procedures for providing medical care, clinical recommenda tions (treatment protocols) on the provision of medical care, taking into account the standards of medical care: prescribe medications, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care procedures. clinical recommenda tions (treatment protocols) on the provision of medical care taking into account the standards of medical care; prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the

guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care: prescribing drugs, medical devices and clinical nutrition considering the diagnosis, age and clinical presentation of the disease and in accordance with the current procedures for the provision of medical care. clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of care: prescribing non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendatio ns and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; assessment of

into account the standards of medical care; prescribe non-pharmacological treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, clain aguidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition 7. PC-20 Able to draw up a work plan and a report on its work, issue a passport of a medical (therapeutic) locality PC-20 Able to draw up a work plan and a report on its work, issue a passport of a medical (therapeutic) locality PC-20 Able to draw up a work plan and a report on tits work, issue a passport of a medical workers IPC 20.2 able to: draw up a work plan and a dedicial workers IPC 20.2 able to: draw up a work plan and a defining the documents defining the activities of medical workers IPC 20.2 able to: draw up a work plan and a defining the documents defining the documents defining the activities of medical workers IPC 20.2 able to: draw up a work plan and a defining the documents defining the activities of medical workers and other documents defining the documents defining the documents defining the activities of medical workers and other documents defining the documents defining the definitions and defining the definitions account the standards of medical care; evaluate the effectiveness and safety of the use of medical care; evaluate the effectiveness and safety	7.	med prood clin record tion (treat proof issue to the proof taking acceptable and the med deviation on the work and on the work issue passes	rescription; de effects, omplication caused by s use regislation of the Russian ederation in the field of ealth	of medical cribe non-logical taking into the diagnosis, inical picture ease in the with the occdures for ion of the control of	standard care; pre pharmace treatment account age and of the diaccordar current put the province of the province of the use medical clinical religional re	nd a s work,	work plan and a report on its work, issue a passport of	work plane	20	PC-20	7.
report on their work, to issue a passport of a medical (therapeutic) site; to analyze medical and statistical indicators of morbidity, disability and mortality to assess the health of the assigned population are port on their work, to issue a passport of a medical organizations and medical workers; medical and statistical indicators of morbidity, disability and mortality characterizin g the health of the population, the procedure for their		(the site) analymet statistical moore disa and to a heal assis	egulatory egal acts and other occuments efining the ctivities of nedical reganizations and medical rorkers; nedical and ratistical adicators of norbidity, hisability and mortality haracterizin the health of the opulation, ne rocedure for neir	of medical ons and orkers able to: draw plan and a their work, to ssport of a herapeutic) alyze medical ical indicators ity, disability lity to assess of the	activities organiza medical IPC 20.2 up a wor report or issue a p medical site; to a and stati of morbi and mortithe healt		(therapeutic)	medical (therape			
			neir alculation nd								

	DC 22	morbidity, disability and mortality indicators to characterize the health of the assigned population of medical care and aimed at creating conditions for protecting the health of citizens	indicators of morbidity, disability and mortality characterizing health of the assigned population, the order of their calculation and evaluation IPC 21.2 able to: analyze official statistical reporting data, including forms of federal and sectoral statistical observation; analyze medical and statistical indicators of morbidity, disability and mortality to assess the health of the assigned population	indicators of morbidity, disability and mortality characterizin g health of the assigned population, the order of their calculation and evaluation	statistical reporting data, including forms of federal and sectoral statistical observation; analyze medical and statistical indicators of morbidity, disability and mortality to assess the health of the assigned population fill out	examination; interpretation of the results of laboratory, instrumental diagnostic methods; an algorithm for a detailed clinical diagnosis; correct medical records
9.	PC-22	Able to: maintain medical records, also in the electronic form in the MIS	IPC 22.1 Knows: legislation in the Russian Federation in the field of health care, regulatory legal acts and other documents that determine the activities of medical organizations and medical workers: rules for working in information systems and information telecommunication network "Internet"; rules for issuing medical documentation in medical organizations providing medical care on an outpatient basis, including at home when a medical worker is called IPC 22.2 Able to: fill in medical documentation, including in electronic form; work with personal data of patients and information constituting a medical secret; use in professional activities information systems and information telecommunications network "Internet"	the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical organizations and medical workers; rules for working in information systems and information and telecommuni cations network "the Internet"; rules for registration of medical documentati on in medical organizations providing outpatient medical care including medical	fill out medical documentati on including in the electronic form in MIS; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommuni cation network, the Internet, in professional activities	maintaining medical records, including in electronic form

		worker's	
		home visits	

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		ntensity	Labor i	ntensity (A	AH) in sem	esters
	volume in	volume in				
	credit units	academic				
	(CU)	hours (AH)	5			
Classroom work, including						
Lectures (L)	0,2	6	6			
Laboratory practicum (LP)*						
Practicals (P)	0,4	16	16			
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

		1
№	Competence code	Section name of the discipline
1.	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Emergency Abdominal Surgery
2.	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Coloproctology
3.	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Surgical infection
4	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Plan surgery